STATE OF UTAH

SINGLE AUDIT REPORT

FISCAL YEAR ENDED JUNE 30, 2019

Report No. 19-28

OFFICE OF THE

STATE AUDITOR

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OFFICE OF THE
STATE AUDITOR

December 18, 2019

The Members of the Utah State Legislature

The Honorable Gary R. Herbert, Governor, State of Utah

We are pleased to submit the *Single Audit Report* of federal financial assistance for the State of Utah for the year ended June 30, 2019. The audit was conducted in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

This report contains the following:

- Our reports on compliance and on internal control, at the financial statement level and at the major federal program level, and on the Schedule of Expenditures of Federal Awards.
- The Schedule of Expenditures of Federal Awards.
- The Schedule of Findings and Questioned Costs, together with the views of responsible officials.
- Management's corrective action plans.
- The Summary Schedule of Prior Audit Findings.

The results of this report are critical since the State of Utah continues to have a heavy dependence on federal financial assistance, which amounted to $4.9 billion in federal expenditures and $1.2 billion in loans, loan guarantees, endowments, and nonmonetary assistance for the fiscal year ended June 30, 2019.

The State of Utah's *Comprehensive Annual Financial Report* for the year ended June 30, 2019 and our report thereon, dated November 25, 2019, have been issued under separate cover.

We express our appreciation to the State agencies' and institutions' program and accounting personnel and to the State Division of Finance who continue to demonstrate professionalism and competence in administering and accounting for the complexities of federal financial assistance.

Sincerely,

John Dougall
State Auditor

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TABLE OF CONTENTS

TYPE OF FINDING AND RELATED AUDITOR'S REPORT:

Report on Compliance and on Internal Control Over Financial Reporting – Government Auditing Standards

A. Material Weakness in internal control – basic financial statement level.
B. Significant Deficiency of internal control – basic financial statement level.
C. Material Noncompliance – basic financial statement level.
D. Reportable instance of noncompliance or other matter – noncompliance with provisions of laws, regulations, contract, or grant agreements; fraud; or abuse.

TABLE OF CONTENTS

TYPE OF FINDING AND RELATED AUDITOR'S REPORT:

Report on Compliance and on Internal Control Over Compliance – Single Audit
E. Material weakness in internal control – major program level.
F. Significant deficiency in internal control – major program level.
G. Material or possible material instance of noncompliance – major program level.
H. Other finding or questioned cost required to be reported under section 200.516 of Uniform Guidance.

TABLE OF CONTENTS

Part III. Findings and Questioned Costs for Federal Awards (continued)

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INTRODUCTION

Background

The Federal Government requires the State of Utah to have an entity-wide audit of its financial statements and its federal programs as a condition of receiving federal financial assistance. The federally-required audit is commonly referred to as the "single audit." The single audit focuses on testing compliance with laws and regulations and related internal controls over compliance for major programs. The requirements for performing the single audit are stated in Subpart F of Title 2 U.S. *Code of Federal Regulations* (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

Scope

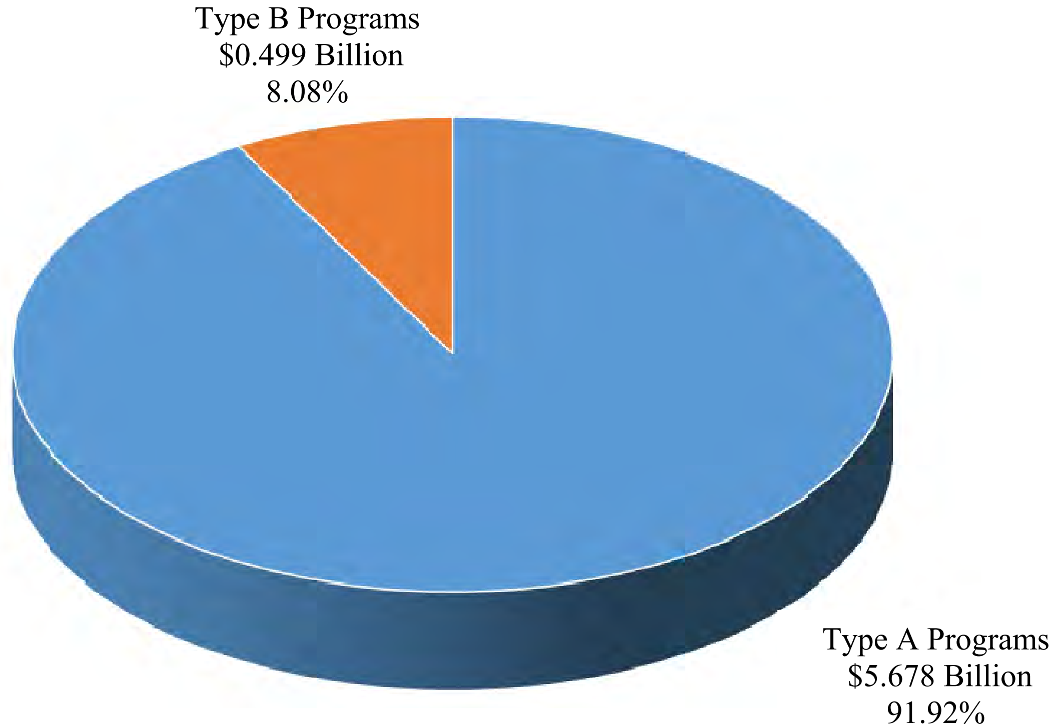
Uniform Guidance requires a risk-based approach to auditing federal programs. Under the risk-based approach, programs are classified as Type A or Type B programs based on a dollar level computed in accordance with Uniform Guidance. Type A programs for the State are those programs which exceeded $18,529,000 in federal awards expended for the fiscal year ended June 30, 2019. All other programs are classified as Type B. For the year ended June 30, 2019, 10 Type A and 5 Type B programs were audited as major programs in accordance with Uniform Guidance requirements. The State had 25 Type A programs and hundreds of Type B programs in fiscal year 2019. (See the Type A vs Type B Programs chart on the following page.)

Presentation

This report includes all required information for the single audit except the State's financial statements and our report thereon, which were issued under separate cover. A Schedule of Expenditures of Federal Awards by federal agency is presented as required. An optional Schedule sorted by state agency is also presented. The required summary of our audit results, including a list of the major programs audited, is presented on pages 188-189. In addition, management's corrective action plan and summary schedule of prior audit findings are presented in separate sections of the report. The type of each finding and the auditor's report(s) to which it relates are listed in the foregoing Table of Contents.

INTRODUCTION

TYPE A vs TYPE B PROGRAMS
TOTAL FEDERAL ASSISTANCE
FOR THE FISCAL YEAR ENDED JUNE 30, 2019
(includes loan balances and disbursements)



INDEPENDENT STATE AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

To the Members of the Utah State Legislature
and
The Honorable Gary R. Herbert
Governor, State of Utah

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the State of Utah (State), as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the State's basic financial statements, and have issued our report thereon dated November 25, 2019. Our report includes a reference to other auditors who audited the financial statements of the School and Institutional Trust Funds Office, Student Assistance Programs, Public Employees Health Program, Utah Transit Authority, University of Utah Hospitals and Clinics, the University of Utah's component units, Utah State University Research Foundation, Utah Retirement Systems, and Utah Educational Savings Plan dba my529, as described in our report on the State's financial statements. This report includes our consideration of the results of the other auditors' testing of internal control over financial reporting and compliance and other matters that are reported on separately by those other auditors. However, this report, insofar as it relates to the results of the other auditors, is based solely on the reports of the other auditors.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the State's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the State's internal control. Accordingly, we do not express an opinion on the effectiveness of the State's internal control.

Our consideration of internal control was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that have not been identified. However, as described in the accompanying schedule of findings and recommendations, we and the other auditors did identify certain deficiencies in internal control that we consider to be material weaknesses or significant deficiencies.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent or to detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. We consider the deficiency described in the accompanying schedule of findings and recommendations as Finding 2019-001 to be a material weakness.

A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance. We consider the deficiency described in the accompanying schedule of findings and recommendations as Finding 2019-002 to be a significant deficiency.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the State's basic financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests and those of the other auditors disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

The State's Response to Findings

The State's written responses to and corrective action plans for the findings identified in our audit are described in the accompanying "Schedule of Findings and Questioned Costs" and "Corrective Action Plan." The State's responses and corrective action plans were not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on them.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose. However, pursuant to *Utah Code* Title 63G Chapter 2, this report is a matter of public record, and, as such, its distribution is not limited.

Office of the State Auditor

Office of the State Auditor
November 25, 2019

INDEPENDENT STATE AUDITOR'S REPORT ON:
- **COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM**
- **INTERNAL CONTROL OVER COMPLIANCE**
- **SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS REQUIRED BY UNIFORM GUIDANCE**

To the Members of the Utah State Legislature
and
The Honorable Gary R. Herbert
Governor, State of Utah

Report on Compliance for Each Major Federal Program

We have audited the State of Utah's (State's) compliance with the types of compliance requirements described in the *2019 OMB Compliance Supplement* that could have a direct and material effect on each of the State's major federal programs for the year ended June 30, 2019. The State's major federal programs are identified in the Summary of Auditor's Results section of the accompanying "Schedule of Findings and Questioned Costs."

We did not audit the Federal Family Education Loan Program (CFDA 84.032). This program was audited by other auditors whose report thereon has been furnished to us, and our opinion, insofar as it relates to compliance requirements for this program, is based solely on the report of the other auditors.

The State's basic financial statements include the operations of Utah Transit Authority (UTA), a discretely presented component unit. UTA expended $93.4 million in federal awards for its fiscal year ended December 31, 2018. Its federal awards were audited by other auditors in accordance with the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). The results of that audit are reported separately.

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations, and the terms and conditions of the federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the State's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the

United States of America; the standards applicable to financial audits contained in *Government Auditing Standards,* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the State's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our qualified and unmodified opinions on compliance for major federal programs. However, our audit does not provide a legal determination of the State's compliance.

Basis for Qualified Opinions on CFDA 16.576 Crime Victim Compensation and CFDA 16.575 Crime Victim Assistance

As described in the accompanying "Schedule of Findings and Questioned Costs," the State did not comply with CFDA 16.575 Crime Victim Assistance Reporting and Subrecipient Monitoring requirements as described in findings 2019-017 and 2019-018. Compliance with such requirements is necessary, in our opinion, for the State to comply with the requirements applicable to those programs.

Furthermore, as described in the accompanying "Schedule of Findings and Questioned Costs," we were unable to obtain sufficient appropriate audit evidence supporting the State's compliance with CFDA 16.576 Crime Victim Compensation Period of Performance requirements as described in finding 2019-015, or CFDA 16.575 Crime Victim Assistance Earmarking requirements as described in finding 2019-017. Consequently, we were unable to determine whether the State complied with those requirements applicable to those programs.

Qualified Opinions on CFDA 16.576 Crime Victim Compensation and CFDA 16.575 Crime Victim Assistance

In our opinion, except for the noncompliance related to findings 2019-017 and 2019-018 and for the possible effects of the matters noted in findings 2019-015 and 2019-017, as described in the Basis for Qualified Opinion paragraphs, the State complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on CFDA 16.576 Crime Victim Compensation and CFDA 16.575 Crime Victim Assistance for the year ended June 30, 2019.

Unmodified Opinion on Each of the Other Major Federal Programs

In our opinion, the State complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its other major federal programs identified in the Summary of Auditor's Results section of the accompanying "Schedule of Findings and Questioned Costs" for the year ended June 30, 2019.

Other Matters

The results of our auditing procedures disclosed other instances of noncompliance, which are required to be reported in accordance with Uniform Guidance and which are identified as **Type H** in the foregoing "Table of Contents" and described in the accompanying "Schedule of Findings and Questioned Costs." Our opinion on each major federal program is not modified with respect to these matters.

The State's responses to and corrective action plans for the noncompliance findings identified in our audit are described in the accompanying "Schedule of Findings and Questioned Costs" and "Corrective Action Plan." The State's responses and corrective action plans were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on them.

Report on Internal Control Over Compliance

Management of the State is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the State's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the State's internal control over compliance.

Our consideration of internal control over compliance was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as discussed below, we identified certain deficiencies in internal control over compliance that we consider to be material weaknesses and significant deficiencies.

A *deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent or to detect and correct noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected on a timely basis. We consider the deficiencies in internal control over compliance identified in the foregoing "Table of Contents" as **Type E** and described in the accompanying "Schedule of Findings and Questioned Costs" to be material weaknesses.

A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to be reported under Uniform Guidance. We consider the deficiencies in internal control over compliance identified in the foregoing “Table of Contents” as **Type F** and described in the accompanying ”Schedule of Findings and Questioned Costs” to be significant deficiencies.

The State’s responses to and corrective action plans for the internal control over compliance findings identified in our audit are described in the accompanying “Schedule of Findings and Questioned Costs” and “Corrective Action Plan.” The State’s responses and corrective action plans were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on them.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of Uniform Guidance. Accordingly, this report is not suitable for any other purpose. However, pursuant to *Utah Code* Title 63G Chapter 2, this report is a matter of public record, and as such, its distribution is not limited.

Report on Schedule of Expenditures of Federal Awards Required by Uniform Guidance

We have audited the financial statements of the State as of and for the year ended June 30, 2019, and have issued our report thereon dated November 25, 2019, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements as a whole. The accompanying “Schedule of Expenditures of Federal Awards” is presented for purposes of additional analysis as required by Uniform Guidance and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied by us in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. The accompanying “Schedule of Expenditures of Federal Awards” does not include UTA’s $93.4 million in federal awards expended for its fiscal year ended December 31, 2018; these expenditures were reported on separately. In our opinion, the “Schedule of Expenditures of Federal Awards” is fairly stated in all material respects in relation to the financial statements as a whole.

Office of the State Auditor

Office of the State Auditor
November 25, 2019

SCHEDULE OF EXPENDITURES

OF FEDERAL AWARDS

By Federal Agency

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
AGENCY FOR INTERNATIONAL DEVELOPMENT					
Agency for International Development					
	98	VARIOUS	UOU	2,182	
	98.001	UNR-17-41 University of Nevada at Reno	USU	16,675	
	98.001	USAID 72026319CA00001 The American Universtity in Cairo	USU	50,123	
	98.001	2000008307 NATIONAL ACADEMY OF SCIENCES	UOU	69,895	
Subtotal Research and Development Programs– Agency for International Development				138,875	
Subtotal Research and Development Programs– AGENCY FOR INTERNATIONAL DEVELOPMENT				138,875	
AGRICULTURE, DEPARTMENT OF					
Agricultural Research Service					
	10.001	VARIOUS	UOU	5,676	
	10.001	58-6404-3-010 American Honey Producers Association	USU	25,049	
	10.001	VARIOUS	USU	337,460	
Subtotal Research and Development Programs– Agricultural Research Service				368,185	
Animal and Plant Health Inspection Service					
	10.025	VARIOUS	USU	296,905	
	10.028	VARIOUS	USU	66,719	
Subtotal Research and Development Programs– Animal and Plant Health Inspection Service				363,624	
Department of Agriculture					
	10	VARIOUS	USU	16,584	
Subtotal Research and Development Programs– Department of Agriculture				16,584	
Forest Service					
	10	VARIOUS US ENDOWMENT FOR FORESTRY & COMMUNITIES	UOU	5,222	
	10	VARIOUS	UOU	33,772	
	10	VARIOUS	UVU	67,569	
	10	VARIOUS	USU	499,052	
	10.652	VARIOUS	USU	46,010	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	10.680	VARIOUS	USU	28,536	
	10.693	VARIOUS	USU	7,705	
	10.694	663.7275.01 DESERT RESEARCH INSTITUTE	UOU	40,493	
	10.699	VARIOUS	USU	196,284	
		Subtotal Research and Development Programs– Forest Service		924,643	
National Institute of Food and Agriculture					
	10.202	VARIOUS	USU	178,752	
	10.203	VARIOUS	USU	2,286,342	
	10.207	VARIOUS	USU	14,513	
	10.212	10043798 FULCRUM BIOSCIENCES	UOU	-1	
	10.212	2018-33610-28543 Acclima	USU	11,587	
	10.215	G223-19-W7502 Montana State University	USU	287	
	10.215	G219-19-W7502 Montana State University	USU	1,065	
	10.215	VARIOUS	USU	5,146,686	4,191,809
	10.217	VARIOUS	UOU	3,230	
	10.303	2015-70005-24060 University of Arizona	USU	10,990	
	10.303	VARIOUS	USU	410,439	10,873
	10.307	128314 G003756 Washington State University	USU	44,659	
	10.307	VARIOUS	USU	564,550	140,450
	10.309	SUB00001765 UGA Research Foundation, Inc.	USU	18,455	
	10.309	133336-G003923 WASHINGTON STATE UNIVERSITY	UOU	19,455	
	10.309	79611-10751 Cornell University	USU	39,777	
	10.309	2017-0398-04 North Carolina State University	USU	54,240	
	10.309	S-000963 University of Riverside	USU	88,456	
	10.310	UNR-17-54 University of Nevada at Reno	USU	10,711	
	10.310	2012-0097-07 Integrated Pest Management (IPM)	USU	34,038	

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
10.310	1319858-G003955 WASHINGTON STATE UNIVERSITY	UOU	46,675	
10.310	2015-69007-23190 SUB:UNR-15-68 University of Nevada at Reno	USU	62,780	
10.310	1556406 University of Colorado at Boulder	USU	97,926	
10.310	VARIOUS	UOU	231,670	
10.310	VARIOUS	USU	1,926,493	328,245
10.319	25-6324-0163-006 University of Nebraska	USU	50,290	
10.329	SA18-4060-08 University of California at ANR	USU	188	
10.329	SA14-2309-43 University of California at ANR	USU	27,362	
10.329	C00059074-1 University of Missouri at Columbia	USU	30,471	
10.330	203224USU University of Notre Dame	USU	3,028	
10.330	376429 University of Arizona	USU	23,199	
10.330	VARIOUS	USU	105,112	65,037
10.336	VARIOUS	USU	32,481	
10.500	134194 G004016 Washington State University	USU	1,240	
10.500	Various Colorado State University	USU	6,380	
10.500	VARIOUS	USU	95,156	-48,000
Subtotal Research and Development Programs– National Institute of Food and Agriculture			11,678,682	4,688,414
Natural Resources Conservation Service				
10.902	Various Pheasants Forever, Inc.	USU	8,614	
10.902	68-3A75-16-736 Pheasants Forever, Inc.	USU	83,408	
10.912	VARIOUS	USU	1,558	
Subtotal Research and Development Programs– Natural Resources Conservation Service			93,580	
Risk Management Agency				
10.458	Various Custom Ag Solutions, Inc. (CAS, Inc.)	USU	27,210	9,547
10.458	VARIOUS	USU	41,053	8,548
Subtotal Research and Development Programs– Risk Management Agency			68,263	18,095

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
Subtotal Research and Development Programs– AGRICULTURE, DEPARTMENT OF				13,513,561	4,706,509
COMMERCE, DEPARTMENT OF					
Economic Development Administration					
	11.303	ED17DEN3030013 UTAH ADVANCED MATERLS MANUFAC IINITIATV	UOU	16,263	
	11.307	VARIOUS	UOU	233,381	129,028
Subtotal Research and Development Programs– Economic Development Administration				249,644	129,028
National Oceanic and Atmospheric Administration (NOAA)					
	11	VARIOUS	USU	35,713	
	11.431	VARIOUS	UOU	316,491	
	11.438	AC-1705B BERING SEA FISHERMEN'S ASSOCIATION	UOU	412	
	11.438	AC-00106 BERING SEA FISHERMEN'S ASSOCIATION	UOU	4,230	
	11.440	VARIOUS	UOU	27,400	
	11.468	VARIOUS	UOU	329,569	26,393
Subtotal Research and Development Programs– National Oceanic and Atmospheric Administration (NOAA)				713,815	26,393
Subtotal Research and Development Programs– COMMERCE, DEPARTMENT OF				963,459	155,421
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE					
Corporation for National and Community Service					
	94	VARIOUS PLANNED PARENTHOOD ASSOCIATION OF UTAH	UOU	-11,137	
	94.024	10049772 SOCIAL FINANCE	UOU	50,540	50,540
Subtotal Research and Development Programs– Corporation for National and Community Service				39,403	50,540
Subtotal Research and Development Programs– CORPORATION FOR NATIONAL AND COMMUNITY SERVICE				39,403	50,540
DEPARTMENT OF DEFENSE					
Advanced Research Projects Agency					
	12	2016-3374 UNIVERSITY OF CALIFORNIA IRVINE	UOU	64,603	
	12	S4628 (PO 194184) MASSACHUSETTS INSTITUTE OF TECHNOLOGY	UOU	97,909	
	12	P00171650 LEIDOS	UOU	162,057	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	12	1(GG012664) COLUMBIA UNIVERSITY	UOU	419,357	224,873
	12	VARIOUS	UOU	934,853	22,347
	12.910	1401944 UNIVERSITY OF TEXAS AT DALLAS	UOU	10,936	
	12.910	503-02 NEW MEXICO CONSORTIUM	UOU	62,951	
	12.910	VARIOUS	UOU	2,683,122	702,578
Subtotal Research and Development Programs– Advanced Research Projects Agency				4,435,788	949,798
Defense Threat Reduction Agency					
	12.351	5711-UU-DTRA-0056 PENNSYLVANIA STATE UNIVERSITY	UOU	66,393	
	12.351	A11961 (A008823) EMORY UNIVERSITY	UOU	83,891	
	12.351	VARIOUS	UOU	236,469	150,000
Subtotal Research and Development Programs– Defense Threat Reduction Agency				386,753	150,000
Department of Defense					
	12	PO 126246/N00024-13-D-6400 The Johns Hopkins University Applied Phys Lab	USU	-898	
	12	21056.1 / N6893616D0016 Jacobs Technology, Inc.	USU	-723	
	12	10041763 WASATCH MOLECULAR INC	UOU	10	
	12	120-02/FA9453-13-C-0106 Atmospheric & Space Technolgy Research Assocociates, LLC	USU	43	
	12	Letter Sub SCRS00601 / FA8650-13-C-1536 SRC, Inc.	USU	46	
	12	PO S12CNH216 / SPO700-99-D-0301 Sierra Nevada Corporation	USU	72	
	12	Letter Subcontract RCD-012-040 UTC Aerospace Systems	USU	281	
	12	391767/N00173-12-D-2023 Exelis, Inc.	USU	285	
	12	PO SCD040502/FA8750-12-C-0124 SRC, Inc.	USU	390	
	12	4200951830/N00014-14-C-0083 Raytheon Corp General	USU	733	
	12	Subcontract TSC-1041-41055 / D13PC00044 Technology Service Corporation	USU	855	
	12	PO S12CNH171 / FA8750-11-C-0252 Sierra Nevada Corporation	USU	941	
	12	4500167482 L-3 Communications - Communication Systems West Division	USU	1,524	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	12	10171473/FA8527-08-D-0008-0028 UTC Aerospace Systems	USU	1,619	
	12	BOA001-3017-04, SDL-D001 Metatech Corporation	USU	1,995	
	12	SCRS01001/FA8750-15-C-0008 SRC, Inc.	USU	2,061	
	12	SDL11-100 / FA9453-12-D-0285 TO 11 ATA Aerospace	USU	2,411	
	12	45732-Z9085201 University of Maryland	USU	3,029	
	12	PO 41-1018184 / 10-D-7210-DO23 BAE Systems	USU	4,409	
	12	7000416856 MIT-Massachusetts Institute of Technology	USU	6,855	
	12	PO-0003348 / W15P7T-13-D-0026 Aberdeen Proving Ground	USU	7,470	
	12	SDL10-100 / FA9453-12-D-0285 TO 10 ATA Aerospace	USU	8,019	
	12	MSA 19S23530AU22 - PO 111302 AECOM Technical Services, Inc.	USU	8,614	
	12	FFP-USU-GEM-081517 Global Engineering and Materials, Inc.	USU	9,185	
	12	PO 4201443453 and PO 4201455979 / FA945 Raytheon Corp General	USU	10,162	
	12	Subcontract TSC-1169-60077 / FA8650-18-C- Technology Service Corporation	USU	12,261	
	12	01-20190328 SEOPS, LLC	USU	12,374	
	12	18-7900-0003-02-C9 TO# 0003 Universal Technology Corporation (UTC)	USU	13,391	
	12	PO 2962894 /FA8620-15-D-3009/TO FA8620- Northrop Grumman	USU	15,267	
	12	TXS015031 KBRWYLE	UOU	17,305	
	12	20160162 CFD RESEARCH CORPORATION	UOU	23,113	
	12	W81XWH-15-10682 WESTERN INSTITUTE FOR BIOMEDICAL RESH	UOU	25,826	
	12	SC-2174-6777 Faraday Technology, Inc.	USU	25,954	
	12	D8537-S1 / HQ0147-16-D-0001/HQ014718F0 Georgia Institute of Technology	USU	29,582	
	12	PO SC20190009 / Prime N00173-16-F-6402 Praxis, Inc.	USU	30,200	
	12	FA9550-17-P-0013 LUMARRAY INC	UOU	33,266	
	12	Subcontract 1018440 / Prime 16-D-7322 BAE Systems	USU	34,482	
	12	10046910 NEVADA NANOTECH SYSTEMS INC	UOU	34,624	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	12	Various Gannett Fleming, Inc.	USU	35,052	
	12	124-AY-1C-PO4435 ELECTRONIC BIOSCIENCE INC	UOU	35,833	
	12	1013370 UUT OREGON HEALTH & SCIENCE	UOU	48,759	
	12	PO 2016-0015 RLS 5 / NNA10DF16B Millennium Engineering and Integration Company	USU	49,571	
	12	Various Box Elder Innovations, LLC	USU	50,969	
	12	TSC-1100-33006/N68335-15-C-0176 Technology Service Corporation	USU	64,485	5,605
	12	61947399-116140 (RQ4590692) STANFORD UNIVERSITY	UOU	68,100	
	12	10046058 WASATCH MOLECULAR INC	UOU	80,062	
	12	19S-0155 / Prime W9113M-19-F-0016 Radiance Technologies, Inc.	USU	84,877	
	12	2017-1532-02 NORTH CAROLINA STATE UNIVERSITY	UOU	87,443	23,877
	12	H98230-18-C-0172 Maryland Procurement Office	USU	88,739	
	12	SC1519205(PSyCHIC) CHARLES RIVER ANALYTICS	UOU	92,742	
	12	W911QY-17-C-0032 ESPIRA	UOU	93,771	
	12	TSC NadirSAR Phase II Letter Sub / W56KG Technology Service Corporation	USU	98,929	
	12	PO PO20190001 / N00173-16-F-6402 Praxis, Inc.	USU	110,000	
	12	SIS180377 Jacobs Technology, Inc.	USU	110,349	
	12	18-S8401-12-C1 Universal Technology Corporation (UTC)	USU	144,841	
	12	1554466 UNIVERSITY OF COLORADO AT BOULDER	UOU	160,526	
	12	4201567976 / FA8620-15-D-3009 Raytheon Corp General	USU	182,632	
	12	USU-17-D-0005 / FA8622-15-F-8111 HX5 LLC	USU	350,397	
	12	S901059BAH / FA8750-17-F-0105 Booz Allen Hamilton, Inc.	USU	355,100	
	12	SUB1138235 TO001 Serco, Inc.	USU	780,356	
	12	1038-05-13-01 / N68936-16-D-0016 Jacobs Technology, Inc.	USU	1,253,524	25,000
	12	VARIOUS	UOU	2,097,323	84,244
	12	VARIOUS	USU	138,634,310	28,474,304

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
Subtotal Research and Development Programs– Department of Defense			145,535,723	28,613,030
Department of the Air Force, Materiel Command				
12.800	47261-A MEDGAR EVERS COLLEGE	UOU	85,220	
12.800	VARIOUS	USU	165,785	
12.800	P0284835 UNIVERSITY OF CENTRAL FLORIDA	UOU	177,936	
12.800	SP0022325PROJ0007153 NORTHWESTERN UNIVERSITY	UOU	253,635	
12.800	VARIOUS	UOU	1,555,180	432,049
Subtotal Research and Development Programs– Department of the Air Force, Materiel Command			2,237,756	432,049
Department of the Navy, Office of the Chief of Naval Research				
12.300	UNIV59880 VANDERBILT UNIVERSITY	UOU	85,706	
12.300	203349UU UNIVERSITY OF NOTRE DAME	UOU	193,485	
12.300	2002694588 JOHNS HOPKINS UNIVERSITY	UOU	193,780	
12.300	088513-16628 UNIVERSITY OF IL AT URBANA-CHAMPAIGN	UOU	242,665	
12.300	VARIOUS	USU	863,693	182,673
12.300	VARIOUS	UOU	2,005,733	318,638
Subtotal Research and Development Programs– Department of the Navy, Office of the Chief of Naval Research			3,585,062	501,311
Office of Economic Adjustment				
12.617	VARIOUS	UOU	2,313,597	849,330
Subtotal Research and Development Programs– Office of Economic Adjustment			2,313,597	849,330
Office of the Secretary of Defense				
12.630	VARIOUS	USU	2,822	
12.630	VARIOUS	UOU	2,136,024	1,451,196
12.631	VARIOUS	SUU	162	
Subtotal Research and Development Programs– Office of the Secretary of Defense			2,139,008	1,451,196
U.S. Army Materiel Command				
12.431	VARIOUS	USU	93,459	
12.431	00001271 BROWN UNIVERSITY	UOU	136,790	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
12.431	VARIOUS	UOU	2,573,885	1,117,666
Subtotal Research and Development Programs– U.S. Army Materiel Command			2,804,134	1,117,666
U.S. Army Medical Command				
12.420	WSU17069 WAYNE STATE UNIVERSITY	UOU	109	
12.420	000516840-003-T001 UNIVERSITY OF ALABAMA AT BIRMINGHAM	UOU	945	
12.420	9012699 (411975-2) UNIVERSITY OF PITTSBURGH	UOU	1,848	
12.420	VARIOUS MODUS HEALTH	UOU	2,812	
12.420	A18-1929-S001 UNIVERSITY OF CALIFORNIA DAVIS	UOU	20,071	
12.420	0031471(408294-6) UNIVERSITY OF PITTSBURGH	UOU	22,808	
12.420	ARJUHP02002478754 JOHNS HOPKINS UNIVERSITY	UOU	28,416	
12.420	00358594093852 UNIVERSITY OF PITTSBURGH	UOU	60,896	
12.420	PO GENFD0001337840 CHILDRENS HOSPITAL BOSTON	UOU	63,848	
12.420	NTI-CLOTT17-17 NATIONAL TRAUMA INSTITUTE	UOU	79,900	
12.420	USM-GR05777.001 UNIVERSITY OF SOUTHERN MISSISSIPPI	UOU	108,116	
12.420	JHUPO:2003945663 JOHNS HOPKINS UNIVERSITY	UOU	138,232	
12.420	MSRC-FY18-04 DENVER RESEARCH INSTITUTE	UOU	173,638	78,151
12.420	UWSC10391 BPO30291 UNIVERSITY OF WASHINGTON	UOU	225,036	
12.420	3828 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	UOU	237,675	
12.420	PO883714 / 3459 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	UOU	237,856	
12.420	VARIOUS	UOU	8,145,147	718,865
Subtotal Research and Development Programs– U.S. Army Medical Command			9,547,353	797,016
Uniformed Services University of the Health Sciences				
12.750	837895 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	UOU	-1,130	
12.750	3338P0881181 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	UOU	39,845	

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
12.750	S-10507-01 THE GENEVA FOUNDATION	UOU	85,343	
12.750	VARIOUS	UOU	327,517	28,414
Subtotal Research and Development Programs– Uniformed Services University of the Health Sciences			451,575	28,414
Subtotal Research and Development Programs– DEPARTMENT OF DEFENSE			173,436,749	34,889,810
DEPARTMENT OF HOMELAND SECURITY				
Department of Homeland Security				
97	VARIOUS	UOU	682,781	
97	VARIOUS	USU	2,674,452	120,000
97.077	VARIOUS	UOU	383,369	
Subtotal Research and Development Programs– Department of Homeland Security			3,740,602	120,000
Subtotal Research and Development Programs– DEPARTMENT OF HOMELAND SECURITY			3,740,602	120,000
EDUCATION, DEPARTMENT OF				
Department of Education				
84	R305H170005 AMER COUNCILS FOR INTNL EDUCATION	UOU	71,513	
Subtotal Research and Development Programs– Department of Education			71,513	
Institute of Education Sciences				
84.305	5509-UU-IES-0401 PENNSYLVANIA STATE UNIVERSITY	UOU	2,400	
84.305	VARIOUS	USU	812,771	409,670
84.324	FY2019-005 UNIVERSITY OF KANSAS	UOU	24,609	
84.324	VARIOUS	WSU	80,414	
Subtotal Research and Development Programs– Institute of Education Sciences			920,194	409,670
Office of Elementary and Secondary Education				
84.283	S283B120006 WESTED	UOU	38,178	
84.283	s12-174 MOD 6 WESTED	UOU	99,160	
Subtotal Research and Development Programs– Office of Elementary and Secondary Education			137,338	
Subtotal Research and Development Programs– EDUCATION, DEPARTMENT OF			1,129,045	409,670
ENERGY, DEPARTMENT OF				

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
Department of Energy					
	81	927890 Sandia Laboratories	USU	-14,929	
	81	347647 Battelle Energy Alliance, LLC	USU	-5,211	
	81	1044650 Sandia Laboratories	USU	496	
	81	Various Battelle Energy Alliance, LLC	USU	500	
	81	213985 Battelle Energy Alliance, LLC	USU	611	
	81	12059102 / DE-NA0001740 Sandia Laboratories	USU	1,042	
	81	DE-SC0017845 FULCRUM BIOSCIENCES	UOU	1,522	
	81	696037 Sandia Laboratories	USU	4,051	
	81	177963 Battelle Energy Alliance, LLC	USU	8,621	
	81	217672 Battelle Energy Alliance, LLC	USU	14,255	
	81	B634503 / Prime DE-AC52-07NA27344 Lawrence Livermore National Laboratory	USU	14,881	
	81	SA-19-02 SUSTAINABLE MANUFACTURING INNOV ALLNCE	UOU	19,559	
	81	8F-30118 Argonne Laboratory	USU	28,880	
	81	2028446 Sandia Laboratories	USU	30,495	
	81	10051010 VISUS LLC	UOU	35,426	
	81	SA-17-07 SUSTAINABLE MANUFACTURING INNOV ALLNCE	UOU	36,488	
	81	131568 Fluor Marine Propulsion, LLC	USU	47,534	
	81	PO N000261740 HONEYWELL FED MANFCTR & TECHNLGES LLC	UOU	68,346	
	81	274628 Battelle	USU	70,644	
	81	Various Wireless Advanced Vehicle Electrification Inc	USU	73,092	
	81	10049682-BIOLOGICALLY INSPIRED AMMO FULCRUM BIOSCIENCES	UOU	78,243	
	81	10040876 ENTRY POINT, LLC	UOU	87,774	
	81	REI-8262-1 REACTION ENGINEERING INTL	UOU	95,154	
	81	VARIOUS PACIFICORP	UOU	99,328	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	81	10029234 AISI AMERICAN IRON AND STEEL INSTITUTE	UOU	227,950	
	81	SA-18-01 SUSTAINABLE MANUFACTURING INNOV ALLNCE	UOU	475,623	
	81	VARIOUS	USU	680,504	112,160
	81	VARIOUS	UOU	3,591,607	77,122
	81.049	UWSC8610 UNIVERSITY OF WASHINGTON	UOU	-8,653	
	81.049	134124-G003972 Washington State University	USU	60	
	81.049	10051529 WASATCH MOLECULAR INC	UOU	363	
	81.049	7082-005 Tech-X Corporation	USU	1,284	
	81.049	REI82481 REACTION ENGINEERING INTL	UOU	4,781	
	81.049	831K530 The Board of Regents of the University of Wisconsin System	WSU	12,495	12,495
	81.049	695K656 UNIVERSITY OF WISCONSIN-MADISON	UOU	38,065	
	81.049	10049506 ALTAROCK ENERGY	UOU	42,584	
	81.049	Z17-90030 UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	UOU	52,146	
	81.049	UWSC9285 (BPO17507) University of Washington	USU	58,551	
	81.049	134124-G003970 WASHINGTON STATE UNIVERSITY	UOU	61,995	
	81.049	G142-15-W5072 Montana State University	USU	80,529	
	81.049	17284Z7181006 UNIVERSITY OF MARYLAND	UOU	153,466	
	81.049	201603457-06 Regents of the University of California	USU	190,720	
	81.049	10048835 PARTICLE FLUX ANALYTICS	UOU	244,802	
	81.049	VARIOUS	USU	447,093	
	81.049	VARIOUS	UOU	4,169,903	581,024
	81.057	UND10356 UNIVERSITY OF NORTH DAKOTA	UOU	34,555	
	81.086	429399-19138 Virigina Tech Polytechnic Institute and State University	USU	33,380	
	81.086	3300001466 Pacificorp	USU	217,034	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	81.087	PO 1000850858 UNIVERSITY OF COLORADO AT DENVER	UOU	15,945	
	81.087	10052331 HOTROCK ENERGY RESEARCH ORGANIZATION	UOU	20,705	
	81.087	Various Percheron Power, LLC	USU	40,408	
	81.087	205CAL628 PORTLAND STATE UNIVERSITY	UOU	77,684	
	81.087	VARIOUS	USU	228,585	74,001
	81.087	VARIOUS	UOU	7,504,562	1,591,908
	81.089	VARIOUS REACTION ENGINEERING INTL	UOU	-104	
	81.089	P0012449 NEW MEXICO INSTITUTE OF MINING & TECH	UOU	6,712	
	81.089	82421 REACTION ENGINEERING INTL	UOU	8,927	
	81.089	SC4502-002 GSI Environmental	USU	52,884	
	81.089	PO 170624-401183-5801 COLORADO SCHOOL OF MINES	UOU	106,152	
	81.089	8250-1 REACTION ENGINEERING INTL	UOU	187,458	
	81.089	GENDSWT20 NEW MEXICO INSTITUTE OF MINING & TECH	UOU	706,257	14,500
	81.089	VARIOUS	UOU	1,114,015	248,216
	81.112	18-S20 GEORGE WASHINGTON UNIVERSITY	UOU	19,872	
	81.113	VARIOUS	USU	4,981	
	81.117	1553797 PO1000607856 University of Colorado	USU	37,060	
	81.121	60049182 OHIO STATE UNIVERSITY RESEARCH FNDTN	UOU	27,352	
	81.121	1557174 PO#1001094525 UNIVERSITY OF COLORADO AT BOULDER	UOU	39,108	
	81.121	18-023 UNIVERSITY OF NEW HAMPSHIRE	UOU	75,345	
	81.121	VARIOUS	UOU	885,607	40,918
	81.121	VARIOUS	USU	1,367,462	960,688
	81.122	VARIOUS	UOU	136,844	
	81.124	VARIOUS	UOU	2,865,945	308,792

Federal Agency and Major Subdivision	CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	81.135	118115448 University of California at San Diego	USU	22,770	
	81.135	VARIOUS	USU	147,706	41,062
	81.135	VARIOUS	UOU	644,545	84,519
Subtotal Research and Development Programs– Department of Energy				27,952,426	4,147,405
Subtotal Research and Development Programs– ENERGY, DEPARTMENT OF				27,952,426	4,147,405
ENVIRONMENTAL PROTECTION AGENCY					
Environmental Protection Agency					
	66	63-USU-000 Great Lakes Environmental Center, Inc.	USU	32,930	
Subtotal Research and Development Programs– Environmental Protection Agency				32,930	
Office of Air and Radiation					
	66.034	VARIOUS	USU	2,726	
Subtotal Research and Development Programs– Office of Air and Radiation				2,726	
Office of Research and Development (ORD)					
	66.509	VARIOUS	USU	144,827	
	66.511	LCASW3SG16 WATER RESEARCH FOUNDATION	UOU	86,786	
	66.511	VARIOUS	UOU	270,265	
	66.514	VARIOUS	UOU	8,365	
	66.516	VARIOUS	USU	4,028	
Subtotal Research and Development Programs– Office of Research and Development (ORD)				514,271	
Office of Solid Waste and Emergency Response					
	66.806	VARIOUS FRIENDS OF GREAT SALT LAKE	UOU	29,062	
Subtotal Research and Development Programs– Office of Solid Waste and Emergency Response				29,062	
Office of Water					
	66.461	VARIOUS	USU	45,297	
Subtotal Research and Development Programs– Office of Water				45,297	
Subtotal Research and Development Programs– ENVIRONMENTAL PROTECTION AGENCY				624,286	
FEDERAL COUNCIL ON THE ARTS AND THE HUMANITIES					

Federal Agency and Major Subdivision CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
Institute of Museum and Library Services				
45.313	VARIOUS	USU	126,582	
Subtotal Research and Development Programs– Institute of Museum and Library Services			126,582	
National Endowment for the Humanities				
45.160	VARIOUS	UOU	3,702	
45.161	VARIOUS	UOU	37,014	
45.163	VARIOUS	UOU	73,242	
45.169	VARIOUS	USU	35,931	
Subtotal Research and Development Programs– National Endowment for the Humanities			149,889	
Subtotal Research and Development Programs– FEDERAL COUNCIL ON THE ARTS AND THE HUMANITIES			276,471	
HEALTH AND HUMAN SERVICES, DEPARTMENT OF				
Administration for Children and Families				
93.600	VARIOUS	USU	5,457	
Subtotal Research and Development Programs– Administration for Children and Families			5,457	
Administration for Community Living				
93.048	VARIOUS	UOU	144,330	
93.433	VARIOUS	USU	196,074	31,565
Subtotal Research and Development Programs– Administration for Community Living			340,404	31,565
Agency for Healthcare Research and Quality				
93	JHU ID#90075167 JOHNS HOPKINS UNIVERSITY	UOU	10,000	
93.226	VUMC 57335 VANDERBILT UNIVERSITY MEDICAL CENTER	UOU	5,035	
93.226	111456 BRIGHAM & WOMENS HOSPITAL	UOU	5,937	
93.226	0039806 (124759-2) UNIVERSITY OF PITTSBURGH	UOU	6,191	
93.226	CNVA00053096(41481-1)-9014203(413778-1) UNIVERSITY OF PITTSBURGH	UOU	7,955	
93.226	3000301409 (A18-0236-S004) CAROLINAS HEALTHCARE SYSTEM	UOU	18,773	
93.226	2312021528152594L RTI INTERNATIONAL	UOU	30,357	
93.226	CNVA00053096 UNIVERSITY OF PITTSBURGH	UOU	42,218	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.226	002608(127137-1) UNIVERSITY OF PITTSBURGH	UOU	56,996	
	93.226	5001451461 MEDSTAR HEALTH	UOU	60,412	
	93.226	568241 UNIVERSITY OF PENNSYLVANIA	UOU	239,130	
	93.226	VARIOUS	UOU	1,889,226	427,106
Subtotal Research and Development Programs– Agency for Healthcare Research and Quality				2,372,230	427,106
Centers for Disease Control and Prevention					
	93	44360 ABT ASSOCIATES INC	UOU	-317	
	93	T.O. 49775 ABT ASSOCIATES INC	UOU	403	
	93	TO-200-2013-F-57544 ABT ASSOCIATES INC	UOU	16,881	
	93	MA44306T044927 ABT ASSOCIATES INC	UOU	18,411	
	93	7300260419 / PO 962906-RSUB CHILDRENS HOSPITAL PHILADELPHIA	UOU	24,604	
	93	VARIOUS THE TASK FORCE FOR GLOBAL HEALTH	UOU	35,162	
	93	VARIOUS	UOU	1,424,861	
	93.073	S00427-01 UNIVERSITY OF IOWA	UOU	4,549	
	93.073	VARIOUS	UOU	437,798	
	93.084	231295 YEAR 1 MASSACHUSETTS GENERAL HOSPITAL	UOU	15,068	
	93.084	2004040591 JOHNS HOPKINS HOSPITAL	UOU	20,197	
	93.084	VARIOUS	UOU	1,060,234	326,957
	93.135	00004109 MD ANDERSON CANCER CENTER	UOU	36,957	
	93.136	1600184A 2026 UNIVERSITY OF MARYLAND BALTIMORE	UOU	17,367	
	93.136	VARIOUS	UOU	808,711	317,112
	93.262	SUB00001631 UNIVERSITY OF FLORIDA	UOU	5,003	
	93.262	G-61105-03 COLORADO STATE UNIVERSITY	UOU	11,040	
	93.262	183405351 UNIVERSITY OF WISCONSIN-MILWAUKEE	UOU	14,544	
	93.262	VARIOUS	UOU	1,813,356	5,232
	93.283	VARIOUS	UOU	946,839	368,714

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.312	VARIOUS TOURETTE ASSOCIATION OF AMERICA	UOU	4,528	
	93.315	VARIOUS INTERMOUNTAIN HEALTHCARE	UOU	5,547	
	93.315	VARIOUS	UOU	455,460	18,000
	93.354	00003179 MD ANDERSON CANCER CENTER	UOU	242,626	
	93.823	VARIOUS	UOU	475,450	127,773
	93.898	VARIOUS	UOU	318,800	
Subtotal Research and Development Programs– Centers for Disease Control and Prevention				8,214,079	1,163,788
Department of Health and Human Services					
	93	VARIOUS	UOU	2,066	
Subtotal Research and Development Programs– Department of Health and Human Services				2,066	
Food and Drug Administration					
	93.103	ZAD00000 UNIVERSITY OF KANSAS	UOU	76	
	93.103	UFOCR00012081 (UFDSP0011718) UNIVERSITY OF FLORIDA	UOU	2,990	
	93.103	3003792592 UNIVERSITY OF MICHIGAN	UOU	28,772	
	93.103	VARIOUS	UOU	151,446	
Subtotal Research and Development Programs– Food and Drug Administration				183,284	
Health Resources and Services Administration					
	93	VARIOUS	UOU	15,279	
	93.059	VARIOUS	UOU	335,870	
	93.107	VARIOUS	UOU	351,675	255,341
	93.110	VARIOUS	UOU	806,620	620,368
	93.117	VARIOUS	UOU	96,986	
	93.127	5/SUB0800089/201503204-01 UNIVERSITY OF CALIFORNIA DAVIS	UOU	-18,882	
	93.127	PO MEDICAL COLLEGE OF WISCONSIN	UOU	30,301	
	93.127	201503204-1 UNIVERSITY OF CALIFORNIA DAVIS	UOU	138,758	
	93.127	VARIOUS	UOU	3,177,989	

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.145	UWSC8703 UNIVERSITY OF WASHINGTON	UOU	171,379	
93.153	VARIOUS	UOU	388,135	
93.178	VARIOUS	UOU	384,880	
93.186	VARIOUS	UOU	259,621	
93.211	VARIOUS	UOU	219,513	
93.236	VARIOUS	UOU	209,454	
93.253	VARIOUS	UOU	153,469	
93.264	VARIOUS	UOU	111,219	
93.359	VARIOUS	UOU	554,541	75,570
93.516	FY15155004 UNIVERSITY OF COLORADO AT DENVER	UOU	20,601	
93.516	FY19.641.003/PTE.PRO.2-5-A6986 UNIVERSITY OF COLORADO AT DENVER	UOU	96,203	
93.732	VARIOUS	UOU	239,281	
93.884	15-218A-RPA003 Idaho State University	USU	21,012	
93.918	VARIOUS	UOU	825,666	
93.969	VARIOUS	UOU	786,742	214,958
Subtotal Research and Development Programs– Health Resources and Services Administration			9,376,312	1,166,237
National Institutes of Health				
93	193221 DUKE CLINICAL RESEARCH INSTITUTE	UOU	-56,948	
93	VARIOUS NANOSHELL LLC	UOU	-25,152	
93	6901 CHILDREN'S HOSPITAL OF LOS ANGELES	UOU	-23,952	
93	000406268003 UNIVERSITY OF ALABAMA	UOU	-14,037	
93	6904 CHILDREN'S HOSPITAL OF LOS ANGELES	UOU	-13,265	
93	6902 CHILDREN'S HOSPITAL OF LOS ANGELES	UOU	-11,993	
93	6903 CHILDREN'S HOSPITAL OF LOS ANGELES	UOU	-10,372	
93	VARIOUS VESTAN INC	UOU	-6,074	
93	2003163059 JOHNS HOPKINS UNIVERSITY	UOU	-3,917	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93	10035362 NAVIGEN	UOU	-1,725	
	93	VARIOUS UTAH HEALTH INFORMATION NETWORK	UOU	-53	
	93	141-NH-1C-4485 ELECTRONIC BIOSCIENCE INC	UOU	-8	
	93	VARIOUS BIOFIRE DIAGNOSTICS INC	UOU	17	
	93	10014935 AXON MEDICAL INC	UOU	368	
	93	VARIOUS NEW ENGLAND RESEARCH INC	UOU	372	
	93	3002875927 UNIVERSITY OF MICHIGAN	UOU	562	
	93	9500080216-S7XX CHILDRENS HOSPITAL PHILADELPHIA	UOU	736	
	93	VARIOUS LAM FOUNDATION	UOU	877	
	93	PRELIM-10050207-RTI RTI INTERNATIONAL	UOU	915	
	93	VARIOUS WESTAT	UOU	1,106	
	93	BMTCTNPROTOCOL1102 NATIONAL MARROW DONOR PROGRAM	UOU	1,383	
	93	ROCH$ANHL1131 CHILDRENS HOSPITAL PHILADELPHIA	UOU	1,600	
	93	UTA03 DUKE CLINICAL RESEARCH INSTITUTE	UOU	5,727	
	93	19-84105-09 (17-074) UNIVERSITY OF TEXAS MEDICAL BRANCH	UOU	6,319	
	93	2938081 DUKE CLINICAL RESEARCH INSTITUTE	UOU	6,813	
	93	PO 65497845 / MCR-0131-CPN MAYO CLINIC ROCHESTER	UOU	7,384	
	93	1503014 RECURSION PHARMACEUTICALS LLC	UOU	10,970	
	93	PRIME HHS0100201500018C Visterra, Inc.	USU	11,759	
	93	Various Emory University	USU	12,051	
	93	VARIOUS NEW ENGLAND RESEARCH INSTITUTES	UOU	12,570	
	93	VARIOUS CHILDRENS HOSPITAL PHILADELPHIA	UOU	12,597	
	93	10052282 REGENSTRIEF INSTITUTE, INC	UOU	14,473	
	93	1U10NS077305-01 MASSACHUSETTS GENERAL HOSPITAL	UOU	14,617	
	93	6426-509 WESTAT	UOU	15,884	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93	VARIOUS CINCINNATI CHILDRENS HOSPITAL MED CTR	UOU	15,941	
	93	HD 036790 / 0212456 RTI INTERNATIONAL	UOU	16,429	
	93	VARIOUS JAEB CENTER FOR HEALTH RESEARCH	UOU	16,766	6,786
	93	VARIOUS MAYO CLINIC ROCHESTER	UOU	17,181	
	93	HHSN268201700021C TECHNOLOGY HOLDINGS LLC	UOU	18,133	
	93	PO B00127743 UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	19,742	
	93	10045509 INTERMOUNTAIN HEALTHCARE	UOU	24,865	
	93	VARIOUS OREGON HEALTH & SCIENCE	UOU	31,026	
	93	UGICA189955 CHILDRENS HOSPITAL PHILADELPHIA	UOU	33,854	
	93	VARIOUS ECOG-ACRIN CANCER RESEARCH GROUP	UOU	46,444	
	93	RC103694UT MICHIGAN STATE UNIVERSITY	UOU	50,078	
	93	1U01HL131003-3 CINCINNATI CHILDRENS HOSPITAL MED CTR	UOU	53,142	
	93	FY18.903.001 UNIVERSITY OF COLORADO AT DENVER	UOU	102,507	18,758
	93	10051908 NEOTHERMA ONCOLOGY	UOU	108,702	
	93	0212456 RTI INTERNATIONAL	UOU	108,736	
	93	UOU-195385 MAYO CLINIC ROCHESTER	UOU	132,187	
	93	A003630302 UNIVERSITY OF MINNESOTA	UOU	157,245	
	93	6119114400E UNIVERSITY OF SOUTH FLORIDA	UOU	247,941	
	93	SUB#950008021512C CHILDRENS HOSPITAL PHILADELPHIA	UOU	319,182	
	93	000513373-SP004-001 UNIVERSITY OF ALABAMA AT BIRMINGHAM	UOU	747,906	
	93	VARIOUS	USU	3,225,142	619,856
	93	VARIOUS	UOU	10,331,455	835,700
	93.077	00005077 MD ANDERSON CANCER CENTER	UOU	18,510	
	93.113	WFUHS 552908 WAKE FOREST UNIVERSITY	UOU	11,265	

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.113	UFDSP00011534 UNIVERSITY OF FLORIDA	UOU	48,359	
93.113	VARIOUS	UOU	801,302	
93.121	R22722 RICE UNIVERSITY	UOU	-10,729	
93.121	VARIOUS	UOU	3,206,206	350,859
93.142	0011233A and 0011234A UNIVERSITY OF TEXAS AT HOUSTON	UOU	290,769	
93.143	400763-5802 COLORADO SCHOOL OF MINES	UOU	103,682	
93.172	5108832 UNIV OF NORTH CAROLINA AT CHAPEL HILL	UOU	8,124	
93.172	114517-5094757 Harvard University	USU	44,124	
93.172	OOS030229-UTAH-84068 KAISER FOUNDATION RESEARCH INSTITUTE	UOU	45,553	
93.172	20000.044.02-06 HUDSONALPHA INSTITUTE OF BIOTECHNOLOGY	UOU	63,081	
93.172	1R43HG009868-01 FRAMESHIFT LABS LLC	UOU	63,395	
93.172	2R44HG009096-02 FRAMESHIFT LABS LLC	UOU	91,948	
93.172	5111267 UNIV OF NORTH CAROLINA AT CHAPEL HILL	UOU	92,160	
93.172	1R41HG009629-01 FRAMESHIFT LABS LLC	UOU	120,042	
93.172	5001020-5500001047 BROAD INSTITUTE	UOU	456,171	
93.172	VARIOUS	UOU	4,355,458	19,554
93.173	UMS-1163 UNIVERSITY OF MAINE AT FORT KENT	UOU	41,015	
93.173	1008367 UUT OREGON HEALTH & SCIENCE	UOU	69,187	
93.173	17-0492 BRIGHAM YOUNG UNIVERSITY	UOU	93,627	
93.173	18-0526 BRIGHAM YOUNG UNIVERSITY	UOU	126,353	
93.173	VARIOUS	USU	148,973	74,080
93.173	110445A 2058 SR00005457 UNIVERSITY OF MARYLAND	UOU	170,237	
93.173	18-0523 BRIGHAM YOUNG UNIVERSITY	UOU	245,056	
93.173	GMO 17510 UNIV OF TEXAS SOUTHWESTERN MEDICAL CTR	UOU	350,676	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.173	VARIOUS	UOU	4,117,249	299,132
	93.213	1`163428/162264 UNIVERSITY OF TEXAS AT SAN ANTONIO	UOU	2,117	
	93.213	17-A0-00-008501 PROJ109452 NYU LANGONE MEDICAL CENTER	UOU	11,043	
	93.213	11-19630-99-01-G2 MOFFITT CANCER CENTER	UOU	14,280	
	93.213	0752 PO#954421 RUTGERS UNIVERSITY	UOU	20,232	
	93.213	570169 UNIVERSITY OF PENNSYLVANIA	UOU	28,179	
	93.213	VARIOUS	UOU	1,462,163	434,169
	93.233	VARIOUS	UOU	101,533	10,356
	93.233	VARIOUS	USU	465,332	393,037
	93.242	3003322495 UNIVERSITY OF MICHIGAN	UOU	-62,929	
	93.242	755161UU AMERICAN ACADEMY OF PEDIATRICS	UOU	-1,572	
	93.242	5111756 UNIV OF NORTH CAROLINA AT CHAPEL HILL	UOU	9,601	
	93.242	18-M23 GEORGE WASHINGTON UNIVERSITY	UOU	10,400	
	93.242	3004544101 UNIVERSITY OF MICHIGAN	UOU	18,607	
	93.242	1008660 UUTAA OREGON HEALTH & SCIENCE	UOU	30,552	
	93.242	18-M32 GEORGE WASHINGTON UNIVERSITY	UOU	31,268	
	93.242	2017-0154 PSYCTECH LTD	UOU	41,119	
	93.242	S-001029 UNIVERSITY OF CALIFORNIA RIVERSIDE	UOU	56,658	
	93.242	496K952 UNIVERSITY OF WISCONSIN-MADISON	UOU	63,513	
	93.242	3004653606 UNIVERSITY OF MICHIGAN	UOU	88,063	
	93.242	3003298612 UNIVERSITY OF MICHIGAN	UOU	139,619	
	93.242	UU442018 HEALTH RHYTHMS	UOU	172,041	
	93.242	690K922 UNIVERSITY OF WISCONSIN-MADISON	UOU	532,007	
	93.242	VARIOUS	UOU	3,280,933	105,862
	93.273	70154751UT RHODE ISLAND HOSPITAL	UOU	3,607	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.273	S-001070 UNIVERSITY OF CALIFORNIA RIVERSIDE	UOU	9,593	
93.273	7017137290-1 RHODE ISLAND HOSPITAL	UOU	20,423	
93.273	0037731 (124672-4) UNIVERSITY OF PITTSBURGH	UOU	45,358	
93.273	UWSC9335 UNIVERSITY OF WASHINGTON	UOU	129,509	
93.273	VARIOUS	USU	440,205	138,589
93.273	VARIOUS	UOU	1,127,555	12,454
93.279	8020 MAGEE-WOMENS RESH INST & FDTN	UOU	-94	
93.279	FORD0027 FORDHAM UNIVERSITY	UOU	-6	
93.279	FY19.778.003 UNIVERSITY OF COLORADO AT DENVER	UOU	2,989	
93.279	SC37730-1 COLORADO SEMINARY	UOU	3,758	
93.279	0057127(130219-3) UNIVERSITY OF PITTSBURGH	UOU	4,781	
93.279	10158SC University of California at San Francisco	USU	5,841	
93.279	9920180084 RAND CORPORATION	UOU	14,841	
93.279	140401 BRIGHAM YOUNG UNIVERSITY	UOU	25,742	
93.279	009942-025 UNIVERSITY OF CINCINNATI	UOU	61,347	
93.279	32661 UTAH BARROW NEUROLOGICAL INSTITUTE	UOU	103,664	
93.279	VARIOUS	USU	111,449	
93.279	15116-1 HENNEPIN HEALTHCARE RESEARCH INSTITUTE	UOU	192,512	
93.279	VARIOUS	UOU	4,673,464	44,517
93.286	1304055702 WEILL CORNELL MEDICAL COLLEGE	UOU	-105	
93.286	URK87 FLORIDA ATLANTIC UNIVERSITY	UOU	21,798	
93.286	5-40513 UNIVERSITY OF MEMPHIS	UOU	23,407	
93.286	VARIOUS	WSU	76,536	
93.286	11171SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	79,368	
93.286	VARIOUS	UOU	2,909,819	8,184

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.307	11-19002-99-01-G2 MOFFITT CANCER CENTER	UOU	13,731	
	93.307	UTA17-0001145 UNIVERSITY OF TEXAS AT AUSTIN	UOU	18,857	
	93.307	30004222-03 CHILDREN'S NATIONAL MEDICAL CENTER	UOU	33,809	
	93.307	18-A1-00-007896 PROJ#110387 NEW YORK UNIVERSITY	UOU	45,370	
	93.307	VARIOUS	UOU	1,415,959	857,114
	93.310	8935SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	-26,024	
	93.310	10052860 NEW ENGLAND RESEARCH INSTITUTES	UOU	1,132	
	93.310	417194 G/UR FAO GR510713 UNIVERSITY OF ROCHESTER	UOU	7,102	
	93.310	203-7778 DUKE UNIVERSITY	UOU	7,515	
	93.310	94745352 UNIVERSITY OF SOUTHERN CALIFORNIA	UOU	13,444	
	93.310	MUSC17-111-8C997 MEDICAL UNIVERSTIY OF SOUTH CAROLINA	UOU	36,040	
	93.310	000519041-007 UNIVERSITY OF ALABAMA AT BIRMINGHAM	UOU	80,733	
	93.310	5101964-1 BOSTON COLLEGE	UOU	764,773	453,952
	93.310	VARIOUS	UOU	3,816,544	251,967
	93.350	203-7853 DUKE CLINICAL RESEARCH INSTITUTE	UOU	2,058	
	93.350	571955 UNIVERSITY OF PENNSYLVANIA	UOU	2,879	
	93.350	0055353 UNIVERSITY OF PITTSBURGH	UOU	37,096	
	93.350	VUMC 59240 VANDERBILT UNIVERSITY	UOU	64,289	
	93.350	60044737UU NORTHWESTERN UNIVERSITY	UOU	117,382	
	93.350	MUSC19-013-8D533 (MUSC17-020-8C706) MEDICAL UNIVERSTIY OF SOUTH CAROLINA	UOU	121,305	
	93.350	VARIOUS	UOU	8,878,604	195,347
	93.351	10043113 NANONC INC	UOU	-1,941	
	93.351	VARIOUS	UOU	1,045,692	
	93.353	VARIOUS	UOU	3,827,554	1,337,146

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.361	3004717570 UNIVERSITY OF MICHIGAN	UOU	2,069	
	93.361	2017-3499 UNIVERSITY OF CALIFORNIA IRVINE	UOU	5,220	
	93.361	EP2952370 PR8503090-V2 VIRGINIA COMMONWEALTH UNIVERSITY	UOU	11,020	
	93.361	FY19.961.001 UNIVERSITY OF COLORADO AT DENVER	UOU	31,226	
	93.361	UA15-060 UNIVERSITY OF ALABAMA	UOU	73,303	
	93.361	2035600 DUKE UNIVERSITY	UOU	83,566	
	93.361	VARIOUS	UOU	1,770,775	352,851
	93.393	141-NH-1C-4484 ELECTRONIC BIOSCIENCE INC	UOU	-46	
	93.393	01027406 BETH ISRAEL DEACONESS MEDICAL CENTER	UOU	-11	
	93.393	1UM1CA16492001A1UT CANCER PREVENTION INST OF CALIFORNIA	UOU	-1	
	93.393	UOU181797 / PO64852898 MAYO CLINIC ROCHESTER	UOU	1,189	
	93.393	63291580 MAYO CLINIC ROCHESTER	UOU	1,639	
	93.393	102466-00001 / NIH034 TUFTS UNIVERSITY	UOU	2,167	
	93.393	UNI-18129402 MAYO CLINIC ROCHESTER	UOU	7,244	
	93.393	10183789901G1 MOFFITT CANCER CENTER	UOU	10,423	
	93.393	SUB2158 MD ANDERSON CANCER CENTER	UOU	15,755	
	93.393	11000720-012 (4102-81790) PURDUE UNIVERSITY	UOU	17,213	
	93.393	GB10524 UNIVERSITY OF VIRGINIA	UOU	22,039	
	93.393	RS20152192-06 UNIVERSITY OF OKLAHOMA	UOU	23,643	
	93.393	RS20160790-05 UNIVERSITY OF OKLAHOMA	UOU	24,686	
	93.393	BD523231 MEMORIAL SLOAN-KETTERING CANCER CTR	UOU	32,754	
	93.393	S(GG012814-01) COLUMBIA UNIVERSITY	UOU	35,096	
	93.393	0000813360 FRED HUTCHINSON CANCER RESEARCH CENTER	UOU	44,402	
	93.393	N006612801 UNIVERSITY OF MINNESOTA	UOU	53,487	

Federal Agency and Major Subdivision CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.393	1557 G 2A332 PTE-441356 RJ 29590 UNIVERSITY OF CALIFORNIA LOS ANGELES	UOU	53,692	
93.393	SUB#835528 FRED HUTCHINSON CANCER RESEARCH CENTER	UOU	100,694	
93.393	3(GG013725-01) / SAPO: G12765 COLUMBIA UNIVERSITY	UOU	142,259	
93.393	92275293 S9001779 UNIVERSITY OF CALIFORNIA SAN DIEGO	UOU	510,418	302,370
93.393	VARIOUS	UOU	8,384,330	2,812,933
93.394	71183210 UNIVERSITY OF SOUTHERN CALIFORNIA	UOU	6,266	
93.394	7/31/18UWSC9880 UNIVERSITY OF WASHINGTON	UOU	6,852	
93.394	2016-45 UNIVERSITY OF OKLAHOMA	UOU	89,762	
93.394	00004322 MD ANDERSON CANCER CENTER	UOU	108,937	
93.394	VARIOUS	UOU	2,687,262	340,990
93.395	VARIOUS MEDICAL COLLEGE OF WISCONSIN	UOU	-2,427	
93.395	9500080216-S7 CHILDRENS HOSPITAL PHILADELPHIA	UOU	-233	
93.395	1600557/14431 UNIVERSITY OF MARYLAND BALTIMORE	UOU	273	
93.395	VARIOUS CHILDRENS HOSPITAL PHILADELPHIA	UOU	5,325	
93.395	CA29605 JOHN WYNE CNCR INST@ST JHN'S HLTH CR CTR	UOU	9,502	
93.395	PO# MEDICAL COLLEGE OF WISCONSIN	UOU	11,748	
93.395	10052250 PEEL THERAPEUTICS	UOU	12,299	
93.395	5R01CA184798-05 MEDICAL COLLEGE OF WISCONSIN	UOU	12,736	
93.395	09560001-320349 VETERANS MEDICAL RESEARCH FOUNDATION	UOU	23,226	
93.395	U10CA18082002UTAH1 ECOG-ACRIN MEDICAL RESEARCH FDTN	UOU	26,171	
93.395	9500080217-06C CHILDRENS HOSPITAL PHILADELPHIA	UOU	27,622	
93.395	1005019 UUT OREGON HEALTH & SCIENCE	UOU	28,652	
93.395	00062660 BIOMIMETIX JV LLC	UOU	35,375	
93.395	10045310 CHILDRENS HOSPITAL PHILADELPHIA	UOU	35,563	

Federal Agency and Major Subdivision CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.395	UTT-194321 PO#66186213 MAYO CLINIC ROCHESTER	UOU	70,780	
93.395	R01 CA221197 BAYLOR COLLEGE OF MEDICINE	UOU	70,813	
93.395	SUBK00008225 UNIVERSITY OF MICHIGAN	UOU	121,249	
93.395	10044354 THERA TARGET INC	UOU	162,902	22,888
93.395	WU-19-77 WASHINGTON UNIVERSITY IN ST LOUIS	UOU	200,770	
93.395	745001 PROTEOGENOMICS RESH INST FOR SYS MED	UOU	207,241	
93.395	VARIOUS	UOU	4,264,011	461,224
93.396	VARIOUS SONATA BIOSCIENCES INCE	UOU	-900	
93.396	152454.5097127.0103 HARVARD UNIVERSITY	UOU	40,859	
93.396	PO#3001052861 SUB00003640 MD ANDERSON CANCER CENTER	UOU	55,320	
93.396	VARIOUS	UOU	4,039,138	173,278
93.397	ASUB00000013 ARIZONA STATE UNIVERSITY	UOU	348,143	
93.397	60600.2004495-4500.669301 CITY OF HOPE NATIONAL MEDICAL CENTER	UOU	563,345	
93.397	VARIOUS	UOU	3,679,304	58,616
93.398	VARIOUS	UOU	1,791,418	
93.837	1553GQD960 UNIVERSITY OF CALIFORNIA LOS ANGELES	UOU	-5,380	
93.837	KEY1795-02 NORTHERN CALIFORNIA INST RESH & EDUC	UOU	-3,820	
93.837	T397320 EMORY UNIVERSITY	UOU	-707	
93.837	CVDC PROJECT 138275 FELLOW CINCINNATI CHILDRENS HOSPITAL MED CTR	UOU	-295	
93.837	W000709492 UNIVERSITY OF IOWA	UOU	-35	
93.837	WSU15061 WAYNE STATE UNIVERSITY	UOU	-31	
93.837	T688275 EMORY UNIVERSITY	UOU	-6	
93.837	GENFD0001170195 CHILDRENS HOSPITAL BOSTON	UOU	4	
93.837	60064759 OHIO STATE UNIVERSITY RESEARCH FNDTN	UOU	18	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.837	60060457-60041988 OHIO STATE UNIVERSITY RESEARCH FNDTN	UOU	46	
93.837	0214047 RTI INTERNATIONAL	UOU	58	58
93.837	5111704 UNIV OF NORTH CAROLINA AT CHAPEL HILL	UOU	943	
93.837	9118SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	1,653	
93.837	U10HL068270 NEW ENGLAND RESEARCH INSTITUTES	UOU	3,805	
93.837	696038UOU01 GEISINGER HEALTH SYSTEM	UOU	3,979	
93.837	N006187431 (N006187407) UNIVERSITY OF MINNESOTA	UOU	4,387	
93.837	SITE #LF700 DUKE UNIVERSITY	UOU	5,331	
93.837	CIRT BRIGHAM & WOMENS HOSPITAL	UOU	5,417	
93.837	GR104852 (CON-80001540) YALE UNIVERSITY SCHOOL OF MEDICINE	UOU	5,980	
93.837	10042330 NEW ENGLAND RESEARCH INSTITUTES	UOU	6,224	
93.837	569082 (559908) UNIVERSITY OF PENNSYLVANIA	UOU	6,709	
93.837	10052093 NEW ENGLAND RESEARCH INSTITUTES	UOU	10,543	
93.837	60043010 UTAH NORTHWESTERN UNIVERSITY	UOU	11,534	
93.837	U2HL135691 NEW ENGLAND RESEARCH INC	UOU	15,746	
93.837	NIH U24HL135691 NEW ENGLAND RESEARCH INC	UOU	16,879	3,339
93.837	3004153447 UNIVERSITY OF MICHIGAN	UOU	17,391	
93.837	431976-19122 VIRGINIA POLYTECHNIC INSTITUTE & ST UNIV	UOU	18,686	
93.837	100035 JOSLIN DIABETES CENTER	UOU	19,983	
93.837	0056306 (130264-1) UNIVERSITY OF PITTSBURGH	UOU	20,138	
93.837	U24HL135691 NEW ENGLAND RESEARCH INC	UOU	22,479	6,118
93.837	SPR116595/138281 CINCINNATI CHILDRENS HOSPITAL MED CTR	UOU	22,802	
93.837	TEAM 4 GROWTH NEW ENGLAND RESEARCH INSTITUTES	UOU	22,814	
93.837	U01HL130204 BRIGHAM & WOMENS HOSPITAL	UOU	28,375	

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.837	3004342614 UNIVERSITY OF MICHIGAN	UOU	31,573	
93.837	13-312-0214047-52919 L RTI INTERNATIONAL	UOU	33,452	
93.837	20112501A NATIONAL JEWISH HEALTH	UOU	36,403	
93.837	0138281 PCGC-PROTOCOL CINCINNATI CHILDRENS HOSPITAL MED CTR	UOU	41,235	
93.837	000503570009 UNIVERSITY OF ALABAMA	UOU	41,760	36,393
93.837	CNVA00056243 (130146-1) UNIVERSITY OF PITTSBURGH	UOU	59,995	
93.837	10051191 MICROSURGICAL INNOVATIONS	UOU	62,662	
93.837	10045841 NEW ENGLAND RESEARCH INSTITUTES	UOU	65,821	
93.837	228707 MASSACHUSETTS GENERAL HOSPITAL	UOU	72,572	
93.837	10044713 NEW ENGLAND RESEARCH INSTITUTES	UOU	101,038	
93.837	20162680-03 UNIVERSITY OF CALIFORNIA DAVIS	UOU	107,835	
93.837	1(GG011659) COLUMBIA UNIVERSITY	UOU	107,918	
93.837	000515877-001 UNIVERSITY OF ALABAMA	UOU	126,144	
93.837	138275 CVDC-DATA HUB CINCINNATI CHILDRENS HOSPITAL MED CTR	UOU	168,608	
93.837	3200170321P0962194RSUB CHILDRENS HOSPITAL PHILADELPHIA	UOU	171,668	
93.837	R912 DARTMOUTH COLLEGE	UOU	178,015	
93.837	GENFD0001319815 CHILDRENS HOSPITAL BOSTON	UOU	185,309	
93.837	1079SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	203,250	
93.837	VARIOUS	UOU	12,229,614	560,864
93.838	10041714 NANOSYNTH MATERIALS AND SENSORS INC	UOU	-9,746	
93.838	UWSC917-BPO22453 UNIVERSITY OF WASHINGTON	UOU	-344	
93.838	11317SUB SEATTLE CHILDREN'S RESEARCH INSTITUTE	UOU	598	
93.838	3201160619 CHILDRENS HOSPITAL PHILADELPHIA	UOU	1,998	
93.838	ROUTE KEY 3201160619 CHILDRENS HOSPITAL PHILADELPHIA	UOU	1,998	

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.838	2-AR-20 (1-AF-20) GEORGE WASHINGTON UNIVERSITY	UOU	9,597	
93.838	5111456 UNIV OF NORTH CAROLINA AT CHAPEL HILL	UOU	20,970	
93.838	60044396 UU NORTHWESTERN UNIVERSITY	UOU	22,810	
93.838	9012549(128373-10) UNIVERSITY OF PITTSBURGH	UOU	27,131	
93.838	SUB10033029 INTERMOUNTAIN HEALTHCARE	UOU	43,500	
93.838	474337 UNIVERSITY OF ARIZONA	UOU	52,808	
93.838	VARIOUS INTERMOUNTAIN HEALTHCARE	UOU	55,873	
93.838	FP00003678-SA004 VIRGINIA COMMONWEALTH UNIVERSITY	UOU	70,019	
93.838	UWSC10605 BPO33124 UNIVERSITY OF WASHINGTON	UOU	125,617	
93.838	MFMU-ALPS FOLLOWUP GEORGE WASHINGTON UNIVERSITY	UOU	184,034	
93.838	10461SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	406,933	
93.838	VARIOUS	UOU	1,627,916	94,968
93.839	PT105889-SC102422 VIRGINIA COMMONWEALTH UNIVERSITY	UOU	126	
93.839	U10HL069294 CHILDRENS HOSPITAL PHILADELPHIA	UOU	363	
93.839	1U01HL143477-01 MEDICAL COLLEGE OF WISCONSIN	UOU	14,049	
93.839	S00006 UNIVERSITY OF IOWA	UOU	367,834	
93.839	VARIOUS	UOU	2,200,344	145,560
93.846	572644 CUTIS UNIVERSITY OF PENNSYLVANIA	UOU	-11,980	
93.846	572644-ARAMIS UNIVERSITY OF PENNSYLVANIA	UOU	-4,917	
93.846	A030247 DUKE UNIVERSITY	UOU	1,678	
93.846	RG760-G1 GEORGIA INSTITUTE OF TECHNOLOGY	UOU	12,122	
93.846	560224 UNIVERSITY OF PENNSYLVANIA	UOU	15,339	
93.846	001 HOSPITAL FOR SPECIAL SURGERY	UOU	45,998	
93.846	572080 UNIVERSITY OF PENNSYLVANIA	UOU	48,071	
93.846	572644 UNIVERSITY OF PENNSYLVANIA	UOU	69,428	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.846	217180C UNIVERSITY OF OREGON	UOU	73,139	
	93.846	VARIOUS	UOU	1,804,400	77,079
	93.847	S00546-01 (W000937002) UNIVERSITY OF IOWA	UOU	1,895	
	93.847	1217929627 CONNECTICUT CHILDRENS MEDICAL CTR	UOU	6,557	
	93.847	60037997UU NORTHWESTERN UNIVERSITY	UOU	7,316	
	93.847	VARIOUS ARBOR RESEARCH COLLABORATIVE FOR HEALTH	UOU	7,489	
	93.847	UWSC9604-BPO20743 UNIVERSITY OF WASHINGTON	UOU	9,048	
	93.847	FY19.344.001/PRO-25-A7271 UNIVERSITY OF COLORADO AT DENVER	UOU	11,033	
	93.847	S00567-01 UNIVERSITY OF IOWA	UOU	12,137	
	93.847	FP068366-01 J UNIVERSITY OF CHICAGO	UOU	13,392	
	93.847	SUBK00003799 UNIVERSITY OF MICHIGAN	UOU	16,175	
	93.847	203-7932 DUKE CLINICAL RESEARCH INSTITUTE	UOU	17,655	
	93.847	2004017126 JOHNS HOPKINS HOSPITAL	UOU	18,524	
	93.847	10047199 NAVIGEN	UOU	26,194	
	93.847	2003108669 JOHNS HOPKINS UNIVERSITY	UOU	27,231	
	93.847	3004918540 UNIVERSITY OF MICHIGAN	UOU	36,861	
	93.847	GB10510.157899 UNIVERSITY OF VIRGINIA	UOU	41,750	
	93.847	32307-1 AUGUSTA UNIVERSITY	UOU	53,520	
	93.847	701K816 UNIVERSITY OF WISCONSIN-MADISON	UOU	54,330	4,000
	93.847	10043577 POTRERO HILL THERAPEUTICS	UOU	55,686	
	93.847	20143114 UNIVERSITY OF CALIFORNIA IRVINE	UOU	58,344	
	93.847	701-7137304-1 RHODE ISLAND HOSPITAL	UOU	73,127	
	93.847	WU13237PO2917459W WASHINGTON UNIVERSITY IN ST LOUIS	UOU	110,200	
	93.847	10043586 STREAMDX INC	UOU	139,950	
	93.847	150801 UNIV OF TEXAS SOUTHWESTERN MEDICAL CTR	UOU	149,086	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.847	10051344 POTRERO HILL THERAPEUTICS	UOU	190,848	
	93.847	025538374609 ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	UOU	238,993	
	93.847	224717 MASSACHUSETTS GENERAL HOSPITAL	UOU	270,056	
	93.847	VARIOUS	UOU	12,013,059	1,043,808
	93.853	NN105 MASSACHUSETTS GENERAL HOSPITAL	UOU	-6,903	
	93.853	3004281184 UNIVERSITY OF MICHIGAN	UOU	-224	
	93.853	011337-135733 UNIVERSITY OF CINCINNATI	UOU	63	
	93.853	679K615 - 137943 - 17-8525 UNIVERSITY OF WISCONSIN-MADISON	UOU	596	
	93.853	NN106 - CYTO-C MASSACHUSETTS GENERAL HOSPITAL	UOU	710	
	93.853	GC12107146770 UNIVERSITY OF VIRGINIA	UOU	2,625	
	93.853	UTA-232483 MAYO CLINIC JACKSONVILLE	UOU	2,931	
	93.853	VARIOUS	USU	3,049	
	93.853	FP066261-E UNIVERSITY OF CHICAGO	UOU	3,386	
	93.853	G012275.157195 UNIVERSITY OF VIRGINIA	UOU	3,549	
	93.853	VARIOUS MASSACHUSETTS GENERAL HOSPITAL	UOU	6,844	
	93.853	011266-135733 UNIVERSITY OF CINCINNATI	UOU	8,288	
	93.853	9957SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	8,348	
	93.853	60036745UU NORTHWESTERN UNIVERSITY	UOU	8,571	
	93.853	REF #228383 MASSACHUSETTS GENERAL HOSPITAL	UOU	11,210	
	93.853	752218 UNIVERSITY OF WASHINGTON	UOU	12,799	
	93.853	UOU-224063-01 MAYO CLINIC JACKSONVILLE	UOU	14,891	
	93.853	AGMT00000658 HOUSTON METHODIST CANCER CENTER	UOU	15,955	
	93.853	8444SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	17,027	
	93.853	527979 UNIVERSITY OF ROCHESTER	UOU	17,646	
	93.853	114930 BRIGHAM & WOMENS HOSPITAL	UOU	20,473	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.853	417333/URFAO:GR 510789 UNIVERSITY OF ROCHESTER	UOU	28,867	
	93.853	417096/URFAO:GR510660 UNIVERSITY OF ROCHESTER	UOU	30,555	
	93.853	010785-135733 UNIVERSITY OF CINCINNATI	UOU	44,040	
	93.853	3RDR7 UNIVERSITY OF NEW MEXICO	UOU	47,488	
	93.853	NN103 MASSACHUSETTS GENERAL HOSPITAL	UOU	49,492	
	93.853	51953335 UNIVERSITY OF CALIFORNIA SAN DIEGO	UOU	50,024	
	93.853	GB10094 157959 UNIVERSITY OF VIRGINIA	UOU	59,105	
	93.853	17-009595 A00 University of Massachusetts	USU	62,248	
	93.853	R41NS100184 THERA TARGET INC	UOU	65,040	4,628
	93.853	9748SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	67,094	
	93.853	11829SUB SEATTLE CHILDREN'S HOSPITAL	UOU	77,413	
	93.853	2R44NS097047-02 NEUROENE THERAPEUTICS	UOU	77,863	
	93.853	970614 RESH INST AT NATIONWIDE CHLDRNS HOSP	UOU	84,577	
	93.853	114928 BRIGHAM & WOMENS HOSPITAL	UOU	84,616	
	93.853	230537 MASSACHUSETTS GENERAL HOSPITAL	UOU	107,823	
	93.853	138078-5105159 HARVARD UNIVERSITY	UOU	113,010	
	93.853	A006795101 UNIVERSITY OF MINNESOTA	UOU	153,354	
	93.853	223171 MASSACHUSETTS GENERAL HOSPITAL	UOU	174,676	
	93.853	184028-04 170541-04 [15101628-04] WEILL CORNELL MEDICAL COLLEGE	UOU	237,284	
	93.853	VARIOUS	UOU	11,504,797	957,652
	93.855	VARIOUS NAVIGEN	UOU	-75	
	93.855	VARIOUS GLYCOMIRA LLC	UOU	1,394	
	93.855	6863RADICALS IIA DUKE CLINICAL RESEARCH INSTITUTE	UOU	4,183	
	93.855	FY14ITN018 BENAROYA RESEARCH INSTITUTE	UOU	6,436	
	93.855	9858SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	9,600	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.855	SUBAGREEMENT NO. 100 Kineta, Inc.	USU	13,269	
	93.855	9295SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	15,941	
	93.855	10050996 BRIGHAM & WOMENS HOSPITAL	UOU	17,702	
	93.855	STTR18042019 Sab Capra, LLC	USU	26,773	
	93.855	10043348 NAVIGEN	UOU	29,940	
	93.855	2038233 PTE UM1AI104681 DUKE UNIVERSITY	UOU	31,443	
	93.855	17-M32 GEORGE WASHINGTON UNIVERSITY	UOU	35,159	
	93.855	20083701 NATIONAL JEWISH HEALTH	UOU	56,906	
	93.855	GM0150311 UNIV OF TEXAS SOUTHWESTERN MEDICAL CTR	UOU	61,861	
	93.855	STTR15012018 Sab Capra, LLC	USU	64,592	
	93.855	31116A Albert Einstein College of Medicine	USU	84,687	
	93.855	16-A0-00-007002-01 NEW YORK UNIVERSITY	UOU	85,295	
	93.855	21F139-01 Texas Tech University	USU	90,323	
	93.855	2301GVE795 UNIVERSITY OF CALIFORNIA LOS ANGELES	UOU	115,978	
	93.855	VARIOUS	USU	117,672	
	93.855	VUMC61446 VANDERBILT UNIVERSITY	UOU	138,603	
	93.855	5109738 University of North Carolina at Chapel Hill	USU	139,114	
	93.855	10035912 BIOFIRE DIAGNOSTICS INC	UOU	139,188	
	93.855	25281-08-324 THE WISTAR INSTITUTE	UOU	140,546	
	93.855	T813799 EMORY UNIVERSITY	UOU	144,053	
	93.855	202980UU UNIVERSITY OF NOTRE DAME	UOU	145,192	
	93.855	10049369 GLYCOMIRA LLC	UOU	216,019	
	93.855	5956012798UTAH SANFORD-BURNHAM MEDICAL RESEARCH INST	UOU	230,941	
	93.855	VARIOUS	UOU	9,021,130	659,175

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.859	84934-11054 CORNELL UNIVERSITY	UOU	-2,332	
	93.859	400SUB CLEVELAND CLINIC FOUNDATION	UOU	-598	
	93.859	GB10602.160386 UNIVERSITY OF VIRGINIA	UOU	28,410	
	93.859	WU1685P02928460A WASHINGTON UNIVERSITY IN ST LOUIS	UOU	41,480	
	93.859	C15A12080 Yale University	USU	82,629	
	93.859	FCCC 15107-01 FOX CHASE CANCER CENTER	UOU	83,063	
	93.859	VARIOUS	USU	477,121	
	93.859	VARIOUS	UOU	26,887,985	4,933,268
	93.865	10041403 RTI INTERNATIONAL	UOU	-15,018	
	93.865	5107013 UNIV OF NORTH CAROLINA AT CHAPEL HILL	UOU	-10,564	
	93.865	UOSPC 1396 SUB 16-037 UNIVERSITY OF TEXAS MEDICAL BRANCH	UOU	-3,801	
	93.865	FWA00003745 DUKE UNIVERSITY	UOU	491	
	93.865	M16A12517 (A10541) YALE UNIVERSITY	UOU	1,639	
	93.865	226192 MASSACHUSETTS GENERAL HOSPITAL	UOU	2,456	
	93.865	VARIOUS RTI INTERNATIONAL	UOU	4,286	
	93.865	VUMC 53375 VANDERBILT UNIVERSITY MEDICAL CENTER	UOU	5,025	
	93.865	WU14260 WASHINGTON UNIVERSITY IN ST LOUIS	UOU	5,279	
	93.865	R012017UTAH SHARP HEALTHCARE FOUNDATION	UOU	5,843	
	93.865	10041405 RTI INTERNATIONAL	UOU	7,866	
	93.865	97711559(PO#S9001887) UNIVERSITY OF CALIFORNIA SAN DIEGO	UOU	8,059	
	93.865	5106230 UNIV OF NORTH CAROLINA AT CHAPEL HILL	UOU	10,619	
	93.865	000509380-SP004-007 UNIVERSITY OF ALABAMA AT BIRMINGHAM	UOU	12,635	
	93.865	VARIOUS NANOMEDIC INC	UOU	13,674	
	93.865	Various PENNSYLVANIA STATE UNIVERSITY	UOU	15,866	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	93.865	10042856 RTI INTERNATIONAL	UOU	16,665	
	93.865	3200720719 CHILDRENS HOSPITAL PHILADELPHIA	UOU	17,869	
	93.865	0254-3544-4609 ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	UOU	19,556	
	93.865	TULHSC4671314 TULANE UNIVERSITY	UOU	20,555	
	93.865	GB 10584.159359 UNIVERSITY OF VIRGINIA	UOU	24,729	
	93.865	M-R012018 UTAH SHARP HEALTHCARE FOUNDATION	UOU	36,529	
	93.865	9038SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	UOU	39,130	
	93.865	100508302 MP-INV-59001897 UNIVERSITY OF CALIFORNIA SAN DIEGO	UOU	51,414	
	93.865	30004942-11 CHILDREN'S NATIONAL MEDICAL CENTER	UOU	61,063	
	93.865	1R44HD095355-01 NANONC INC	UOU	67,034	
	93.865	21050 GEORGE WASHINGTON UNIVERSITY	UOU	81,679	123,751
	93.865	700017-1118-00 RESH INST AT NATIONWIDE CHLDRNS HOSP	UOU	87,418	
	93.865	1R01HD091302 MEDICAL COLLEGE OF WISCONSIN	UOU	115,145	
	93.865	VUMC63064 VANDERBILT UNIVERSITY MEDICAL CENTER	UOU	115,510	
	93.865	789K740 UNIVERSITY OF WISCONSIN-MILWAUKEE	UOU	139,982	59,675
	93.865	11449SUB SEATTLE CHILDREN'S HOSPITAL	UOU	151,532	
	93.865	OSP2018139 UNIVERSITY OF MASSACHUSETTS	UOU	163,477	
	93.865	3004685885 UNIVERSITY OF MICHIGAN	UOU	164,137	
	93.865	1009131 UUT OREGON HEALTH & SCIENCE	UOU	170,172	
	93.865	60046347 UTAH NORTHWESTERN UNIVERSITY	UOU	202,540	
	93.865	700171-0719-00 RESH INST AT NATIONWIDE CHLDRNS HOSP	UOU	273,207	
	93.865	1007823 UTAH OREGON HEALTH & SCIENCE	UOU	354,625	
	93.865	VARIOUS	USU	607,020	247,304
	93.865	VARIOUS	UOU	10,464,861	1,488,248

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.866	16091646 WEILL CORNELL MEDICAL COLLEGE	UOU	4,396	
93.866	3653602141001/3653602141109 UNIVERSITY OF NEBRASKA MEDICAL CENTER	UOU	7,878	
93.866	0040409 (127555-1) UNIVERSITY OF PITTSBURGH	UOU	9,557	
93.866	16-M121 GEORGE WASHINGTON UNIVERSITY	UOU	13,762	
93.866	93026191 UNIVERSITY OF SOUTHERN CALIFORNIA	UOU	16,391	
93.866	907-SUB CLEVELAND CLINIC FOUNDATION	UOU	17,431	
93.866	203-5780 DUKE UNIVERSITY	UOU	28,828	
93.866	OSP2018107/PO#WA00740129 UNIVERSITY OF MASSACHUSETTS	UOU	33,160	
93.866	10052173 RECURSION PHARMACEUTICALS LLC	UOU	41,203	
93.866	SUB AWARD 38 ELIMU THERPEUTICS INC	UOU	60,320	
93.866	10043637 PAMS INC	UOU	67,099	
93.866	WFUHS 115478 WAKE FOREST UNIVERSITY	UOU	94,256	56,680
93.866	UNI-234899 MAYO CLINIC ROCHESTER	UOU	101,828	
93.866	VARIOUS	USU	117,747	
93.866	F0452-02 NEW YORK UNIVERSITY	UOU	130,373	
93.866	16-0483 Brigham Young University	USU	216,364	
93.866	16-0484 BRIGHAM YOUNG UNIVERSITY	UOU	320,178	
93.866	VARIOUS	UOU	4,916,403	414,060
93.867	3209850813 CHILDRENS HOSPITAL PHILADELPHIA	UOU	-6,468	
93.867	1U1OEY026869-1 NYU LANGONE MEDICAL CENTER	UOU	1,692	
93.867	025577114609 ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	UOU	6,156	
93.867	VARIOUS	USU	21,173	
93.867	U10EY011751 JAEB CENTER FOR HEALTH RESEARCH	UOU	22,420	
93.867	AREDS 2 EMMES CORP	UOU	27,450	
93.867	2002459427 JOHNS HOPKINS UNIVERSITY	UOU	31,455	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
93.867	1011464-UUT OREGON HEALTH & SCIENCE	UOU	31,461	
93.867	01R01EY025718 MEDICAL COLLEGE OF WISCONSIN	UOU	36,544	
93.867	A030429 DUKE UNIVERSITY	UOU	46,696	
93.867	1013001-UUT OREGON HEALTH & SCIENCE	UOU	65,848	
93.867	100595816 UNIVERSITY OF SOUTHERN CALIFORNIA	UOU	118,656	
93.867	VARIOUS	UOU	8,831,678	43,265
93.879	VARIOUS SAINT ALPHONSUS RMC BOISE	UOU	-2,127	
93.879	2035841 DUKE UNIVERSITY	UOU	25,217	
93.879	65585-Z0149202 UNIVERSITY OF MARYLAND	UOU	85,419	
93.879	VARIOUS	UOU	2,848,687	583,921
93.989	VARIOUS	UOU	1,187,042	340,350
Subtotal Research and Development Programs– National Institutes of Health			218,457,463	22,876,733
Office of the Secretary				
93.085	VARIOUS	UOU	9,990	
93.882	VARIOUS	UOU	-4,647	
Subtotal Research and Development Programs– Office of the Secretary			5,343	
Substance Abuse and Mental Health Services Administration				
93.243	VARIOUS THE ROAD HOME	UOU	18,774	
93.243	330 SAMHSA PROJECT; 200668 The Family Place	USU	74,941	
93.243	VARIOUS	UOU	1,039,723	80,230
93.788	VARIOUS	USU	267,357	7,328
Subtotal Research and Development Programs– Substance Abuse and Mental Health Services Administration			1,400,795	87,558
Subtotal Research and Development Programs– HEALTH AND HUMAN SERVICES, DEPARTMENT OF			240,357,433	25,752,987
INTERIOR, DEPARTMENT OF THE				
Bureau of Indian Affairs and Bureau of Indian Education				
15.041	VARIOUS	USU	57,196	
Subtotal Research and Development Programs– Bureau of Indian Affairs and Bureau of Indian Education			57,196	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
Bureau of Land Management					
	15	L/7AS00028 COLORADO PLATEAU ARCHAEOLOGICAL ALLNCE	UOU	3,627	
	15	VARIOUS	UOU	32,149	
	15	VARIOUS	USU	446,676	
	15.224	VARIOUS	USU	12,029	
	15.224	VARIOUS	UOU	40,666	
	15.225	VARIOUS	UOU	4,075	
	15.231	VARIOUS	DSU	450	
	15.231	2503.16.055535 National Fish and Wildlife Foundation	USU	924	
	15.231	NPCD-005 Department of Wildlife	USU	15,665	
	15.231	VARIOUS	UVU	16,459	
	15.231	VARIOUS	UOU	16,740	
	15.231	VARIOUS	USU	987,341	144,752
	15.232	UNR-17-28/117GC000024 University of Nevada at Reno	USU	5,131	
	15.232	G-09352-1 Colorado State University	USU	7,595	
	15.232	L0196B-B Oregon State University	USU	9,259	
	15.232	125073 G003498 WASHINGTON STATE UNIVERSITY	UOU	15,293	
	15.232	VARIOUS	USU	96,989	32,525
	15.232	VARIOUS	UOU	127,133	6,533
	15.236	VARIOUS	USU	273,399	
	15.237	VARIOUS	USU	15,777	
	15.238	VARIOUS	USU	11,314	
	15.243	VARIOUS	USU	129,966	
	15.244	VARIOUS	USU	25,539	
Subtotal Research and Development Programs– Bureau of Land Management				2,294,196	183,810
Bureau of Reclamation					

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
15.508	01292018-5060 The Nature Conservancy	USU	99,409	
15.529	VARIOUS	USU	306,330	
15.557	VARIOUS	USU	35,869	5,480
15.560	VARIOUS	USU	100,873	
Subtotal Research and Development Programs– Bureau of Reclamation			542,481	5,480
Fish and Wildlife Service				
15.608	VARIOUS	USU	41,171	
15.611	002873 Wyoming Game and Fish Department	USU	18,845	
15.611	IDFG-FY18-243 State of Idaho Department of Fish and Game	USU	37,078	
15.611	SG19-04 Department of Wildlife	USU	57,748	
15.611	Various State of Idaho Department of Fish and Game	USU	71,699	
15.611	170000108 State of Alaska Department of Fish and Game	USU	115,331	
15.611	USU-001 Department of Wildlife	USU	123,749	
15.611	F16AF00613 State of North Dakota	USU	237,170	75,000
15.628	002811 Wyoming Game and Fish Department	USU	25,063	
15.631	VARIOUS	USU	-401	
15.635	VARIOUS	USU	19,686	
15.678	G-50042-01 / F17AC00326 Colorado State University	USU	19,533	
Subtotal Research and Development Programs– Fish and Wildlife Service			766,672	75,000
National Park Service				
15.945	1003-666-USU University of Wyoming	USU	3,954	
15.945	PK131A-A/P17AC00106 Oregon State University	USU	34,633	
15.945	S17172 KANSAS STATE UNIVERSITY	UOU	35,018	28,989
15.945	VARIOUS	UOU	71,820	
15.945	VARIOUS	USU	492,858	10,790
15.954	VARIOUS	USU	-3,361	

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
Subtotal Research and Development Programs– National Park Service			634,922	39,779
U.S. Geological Survey				
15.805	VARIOUS	USU	116,411	
15.807	VARIOUS	UOU	5,803	
15.807	104714152 SOUTHERN CALIFORNIA EARTHQUAKE CENTER	UOU	12,635	
15.807	91264274 SOUTHERN CALIFORNIA EARTHQUAKE CENTER	UOU	19,170	
15.807	VARIOUS	USU	101,714	
15.808	VARIOUS	UOU	-405	
15.808	VARIOUS	USU	155,595	
15.812	VARIOUS	USU	136,332	
15.815	AV18-UT-01 America View	USU	6,543	
15.815	AV18-UT-02 America View	USU	65,879	
15.820	476116/G18AC00320 University of Arizona	USU	7,941	
Subtotal Research and Development Programs– U.S. Geological Survey			627,618	
Subtotal Research and Development Programs– INTERIOR, DEPARTMENT OF THE			4,923,085	304,069
JUSTICE, DEPARTMENT OF				
National Institute of Justice				
16	F7011-01 NEW YORK UNIVERSITY	UOU	-11,476	
16	VARIOUS	UOU	-4,688	
16.560	VARIOUS	UOU	678,373	
Subtotal Research and Development Programs– National Institute of Justice			662,209	
Violence Against Women Office				
16.556	2017-VF-GX-K141 UTAH LEGAL SERVICES	UOU	33,001	
Subtotal Research and Development Programs– Violence Against Women Office			33,001	
Subtotal Research and Development Programs– JUSTICE, DEPARTMENT OF			695,210	
MISCELLANEOUS				

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
Miscellaneous					
	99	JL160171/H94003-04-D-00060180 L-3 Communications	USU	2,226	
	99	Letter Contract P18-222206 Lockheed Martin Space Systems	USU	4,087	
	99	JL190326 L-3 Technologies - SSG	USU	6,218	
	99	P103387 BAE Systems Information Solutions, Inc.	USU	9,377	
	99	Subcontract 17478 / B16-2016238G007 SRI International	USU	10,223	
	99	2982804 / Prime 16-C-4127 Northrop Grumman	USU	15,521	
	99	146136 / 15-C-3186 Johns Hopkins University	USU	27,657	
	99	4201577870 Raytheon Corp General	USU	116,759	
	99	Letter Subcontract A000427555 Harris Corporation	USU	156,265	
	99	6835 / Prime Z7EGAAAM Arizona Optical Systems, LLC	USU	256,879	
	99	18-C-0106 Misc Other	USU	296,083	
	99	25922 Lockheed Martin Space Systems	USU	302,643	
	99	10DS-0004-UT Misc Other	USU	445,990	
	99	Letter Subcontract A000411652 Harris Corporation	USU	1,283,905	
	99	Letter Contract P18-222207 Lockheed Martin Space Systems	USU	1,946,861	786,020
	99	Subcontract 10DS-0002-UT Misc Other	USU	3,366,242	
	99	VARIOUS	USU	6,743,152	193,845
Subtotal Research and Development Programs– Miscellaneous				14,990,088	979,865
Subtotal Research and Development Programs– MISCELLANEOUS				14,990,088	979,865
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION					
National Aeronautics and Space Administration					
	43	HST-GO-14067.001-A SPACE TELESCOPE SCIENCE INSTITUTE	UOU	-250	
	43	192423 Embry-Riddle Aero University	USU	64	
	43	170725 / Prime NNG15CR64C ATA Aerospace - Civil	USU	122	
	43	PO BB00607939 University of California at Berkeley	USU	129	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	43	DAILI Mission Aerospace Corporation	DSU	648	
	43	PO 2016-0155 / NNA10DF16B Millennium Engineering and Integration Company	USU	1,137	
	43	Various Parabilis Space Technologies, Inc.	USU	1,220	
	43	P2172940 Virginia Polytechnic Institute and State University	USU	1,331	
	43	HSTAR1326801A SPACE TELESCOPE SCIENCE INSTITUTE	UOU	1,551	
	43	HST-GO-14051.008-A Space Telescope Science Institute	UVU	2,285	
	43	HST-GO-14654.003-A Space Telescope Science Institute	UVU	2,323	
	43	GRANT#S15-178-05 JAMES MADISON UNIVERSITY	UOU	2,448	
	43	4103762939 / Prime 80LARC17C0001 Lockheed Martin Space Systems	USU	4,336	
	43	HST-GO-14241.015-A Space Telescope Science Institute	UVU	4,524	
	43	GATS SC 180002 / Hampton 03-11/ Prime N GATS	USU	4,913	
	43	4502254099 / NNG11XA04C Northrop Grumman	USU	6,717	
	43	18JKK00053 / 80GSFC18C0083 Ball Aerospace and Tech	USU	7,084	
	43	5710003593/NNX14AC75G MIT Lincoln Laboratory	USU	7,440	
	43	HST-GO-14742.002-A SPACE TELESCOPE SCIENCE INSTITUTE	UOU	8,886	
	43	L42829ZJ / Prime AST1637494 Southwest Research Institute	USU	9,707	
	43	M52056ZJ / Prime AST1637494 Southwest Research Institute	USU	9,998	
	43	BMSSA-01 BLUE MARBLE SPACE INSTITUTE OF SCIENCE	UOU	10,128	
	43	4103422594 / 80GSFC18C0012 Lockheed Martin Space Systems	USU	11,928	
	43	HST-GO-15133.002-A SPACE TELESCOPE SCIENCE INSTITUTE	UOU	13,902	
	43	Various Nevada Institute for Autonomous Systems	USU	15,860	
	43	2016-0010 TO 2/NNA11AA15T Millennium Engineering and Integration Company	USU	16,644	
	43	HST-GO-14626.002-A Space Telescope Science Institute	UVU	22,355	
	43	HST-GO-14610.012-A SPACE TELESCOPE SCIENCE INSTITUTE	UOU	29,044	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	43	466008 / 1605285 / NNN12AA01C The University of Arizona	USU	29,395	
	43	21410-15-032/NNG15HQ01C Science Systems and Applications, Inc.	USU	31,334	
	43	VARIOUS VENCORE SERVICES AND SOLUTIONS INC	UOU	31,634	
	43	08600-019 Universities Space Research Association	USU	33,156	
	43	NNH17CV05C-UTAH SIMPSON WEATHER ASSOCIATES	UOU	33,201	
	43	2160618060 / NNL16AA05C Science Systems and Applications, Inc.	USU	34,495	
	43	PO-00496 Blue Canyon Technologies, LLC	USU	36,502	
	43	880361/NNL14AQ00C Exelis, Inc.	USU	38,150	
	43	Subgrant PO 394122 The University of Arizona	USU	40,429	
	43	Various Wavefront, LLC	USU	49,188	
	43	Subcontract 418UC-SSL/NNG12FA45C University of California at Berkeley	USU	53,883	
	43	17BCL00001 / NNX16AC18G Ball Aerospace and Tech	USU	61,320	7,070
	43	T804046 WYLE INTEGRATED SCIENCE AND ENG GRP	UOU	63,470	
	43	43602 Hampton University	USU	69,629	
	43	MF180130 L-3 Technologies - SSG	USU	70,841	
	43	82506-11022 / 80MSFC18C0034 Cornell Univeristy	USU	80,116	
	43	VARIOUS	UOU	169,760	
	43	2016-0010 RLS 6 / NNA10DF16B Millennium Engineering and Integration Company	USU	213,975	
	43	0000013264/NNX13AN11G University of Maryland Baltimore County	USU	214,502	
	43	ASUB00000160 / NNX15AV71G Arizona State University	USU	351,325	
	43	18RKB00947 Ball Aerospace and Tech	USU	1,783,484	6,700
	43	VARIOUS	USU	13,045,147	2,993,634
	43.001	G11515W4575 MONTANA STATE UNIVERSITY	UOU	1,294	
	43.001	SV8-88016 SMITHSONIAN ASTROPHYSICAL OBSERVATORY	UOU	4,934	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	43.001	A19-0117-S006 (P0259854) RENSSELAER POLYTECHNIC INSTITUTE	UOU	5,748	
	43.001	7380-B Boise State University	USU	9,306	
	43.001	G25492 COLORADO STATE UNIVERSITY	UOU	17,369	
	43.001	775K795 UNIVERSITY OF WISCONSIN-MADISON	UOU	23,648	
	43.001	SV9-89021 SMITHSONIAN ASTROPHYSICAL OBSERVATORY	UOU	28,223	
	43.001	1554135 University of Colorado	USU	30,063	
	43.001	VARIOUS	DSU	39,832	12,000
	43.001	G07-18117X SMITHSONIAN ASTROPHYSICAL OBSERVATORY	UOU	40,984	
	43.001	RR175-280/S001041 UNIVERSITY OF GEORGIA	UOU	46,164	
	43.001	171-03 Atmospheric & Space Technology Research Associates, LLC	USU	58,523	
	43.001	R53782 William Marsh Rice University	USU	73,448	
	43.001	1552611 UNIVERSITY OF COLORADO AT BOULDER	UOU	96,093	
	43.001	16-08 TEXAS A&M UNIVERSITY	UOU	99,845	
	43.001	2-312-0215650 RTI International	USU	128,709	
	43.001	RES512750 CASE WESTERN RESERVE UNIVERSITY	UOU	161,785	
	43.001	SUB62720162 AMERICAN MUSEUM OF NATURAL HISTORY	UOU	280,254	
	43.001	VARIOUS	USU	585,143	22,467
	43.001	VARIOUS	UOU	2,275,228	233,752
	43.002	HSTG014189001A SPACE TELESCOPE SCIENCE INSTITUTE	UOU	3,882	
	43.002	VARIOUS	USU	38,577	
	43.002	M1703311 Texas AandM University	USU	82,981	
	43.007	VARIOUS	USU	14,376	
	43.008	VARIOUS	USU	7,671	
	43.008	VARIOUS	UOU	55,164	54,806

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
43.009	VARIOUS	USU	102	
43.012	VARIOUS	USU	147,151	
43.012	1607060Z10 MICHIGAN TECHNOLOGICAL UNIVERSITY	UOU	384,922	42,021
43.012	00009566 University of California at Berkeley	USU	429,283	152,198
Subtotal Research and Development Programs– National Aeronautics and Space Administration			21,902,112	3,524,648
Subtotal Research and Development Programs– NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			21,902,112	3,524,648
NATIONAL SCIENCE FOUNDATION				
National Science Foundation				
47	116-NS-IC PO4375/1648790 ELECTRONIC BIOSCIENCE INC	UOU	-25	
47	10043366 FARHANG WIRELESS, INC	UOU	916	
47	17192062009949 CLEMSON UNIVERSITY	UOU	1,561	
47	VARIOUS	DSU	1,674	
47	86000020995 BOSTON UNIVERSITY	UOU	7,422	
47	45363861 UNIVERSITY OF CALIFORNIA SAN DIEGO	UOU	30,391	
47	VARIOUS	USU	59,202	
47	10018547 HEAVYSTONE LABORATORY LLC	UOU	69,450	
47	CNS-182688 US IGNITE	UOU	3,633,591	994,154
47.041	VARIOUS NANONC INC	UOU	-11,078	
47.041	20150133-01-USU University of North Carolina at Chapel Hill	USU	5,048	
47.041	10049815 SHARPEYES LLC	UOU	46,543	
47.041	SA0000584 SAN DIEGO STATE UNIVERSITY FOUNDATION	UOU	49,442	
47.041	2012-106707 NORTH CAROLINA STATE UNIVERSITY	UOU	52,195	
47.041	VARIOUS	USU	1,118,669	10,113
47.041	VARIOUS	UOU	4,870,871	199,989
47.049	S880679 EMORY UNIVERSITY	UOU	-2,499	
47.049	UU-1828168 BARNARD UNIVERSITY	UOU	1,455	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	47.049	1123266-388709 CARNEGIE MELLON UNIVERSITY	UOU	5,268	
	47.049	NS1609 TUFTS UNIVERSITY	UOU	20,579	
	47.049	2(GG012343) The Trustees of Columbia University in the City of New York	USU	32,555	32,267
	47.049	1552269 UNIVERSITY OF COLORADO AT BOULDER	UOU	48,307	
	47.049	VARIOUS	UVU	107,930	13,493
	47.049	20143123 UNIVERSITY OF CALIFORNIA IRVINE	UOU	133,944	
	47.049	CHE1700982 EMORY UNIVERSITY	UOU	135,311	
	47.049	VARIOUS	USU	807,393	
	47.049	VARIOUS	UOU	8,542,341	110,884
	47.050	28(GG009393-01) COLUMBIA UNIVERSITY	UOU	-38	
	47.050	1637196-1 WESTMINSTER COLLEGE	UOU	-35	
	47.050	47(GG009393) PO# G11677 The Trustees of Columbia University in the City of New York	USU	4,221	
	47.050	91264235 UNIVERSITY OF SOUTHERN CALIFORNIA	UOU	9,925	
	47.050	VARIOUS UNIVERSITY OF ARIZONA	UOU	11,702	
	47.050	91264401 University of Southern California	USU	20,740	
	47.050	128413-G03666 Washington State University	USU	49,796	
	47.050	VARIOUS	WSU	61,647	
	47.050	A17-0253-S007 UNIVERSITY OF CALIFORNIA DAVIS	UOU	79,357	
	47.050	VARIOUS	SLCC	93,820	
	47.050	VARIOUS	USU	1,597,901	57,657
	47.050	VARIOUS	UOU	3,568,781	513,833
	47.070	PO# 9500013020 RAYTHEON COMPANY	UOU	-293	
	47.070	502648-78051 NORTHEASTERN UNIVERSITY	UOU	1,927	
	47.070	P0235476 UNIVERSITY OF ARIZONA	UOU	3,014	
	47.070	3200000590-18.256 UNIVERSITY OF KENTUCKY	UOU	4,511	

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	47.070	110331201 UNIVERSITY OF SOUTHERN CALIFORNIA	UOU	5,921	
	47.070	BL4848800UTAH INDIANA UNIVERSITY	UOU	8,842	
	47.070	093054-17401 University of Illinois	USU	14,794	
	47.070	067846-1707 UNIVERSITY OF IL AT URBANA-CHAMPAIGN	UOU	43,938	
	47.070	1003107-06 Northern Arizona University	USU	109,267	11,316
	47.070	1554921 UNIVERSITY OF COLORADO AT BOULDER	UOU	168,098	
	47.070	FP066185-B UNIVERSITY OF CHICAGO	UOU	265,214	
	47.070	VARIOUS	USU	1,385,847	596,803
	47.070	VARIOUS	UOU	8,416,977	1,348,033
	47.074	US001-0000731765 Battelle	USU	9,096	
	47.074	1557433 UNIVERSITY OF COLORADO AT BOULDER	UOU	11,334	
	47.074	147111 UNIVERSITY OF CONNECTICUT	UOU	12,329	
	47.074	52820/ 1637459 Marine Biological laboratory-Wood Hold, Mass	USU	19,715	
	47.074	A19-0587-S001 UNIVERSITY OF CALIFORNIA DAVIS	UOU	19,840	
	47.074	18-S07 George Washington University	USU	20,039	
	47.074	S1776A-D Oregon State University	USU	26,598	
	47.074	VARIOUS	UVU	31,184	
	47.074	75822-10654 Cornell University	USU	39,963	
	47.074	USU001-0000597686 Battelle	USU	45,839	
	47.074	1003088-02 Northern Arizona University	USU	79,356	
	47.074	316602 UNIVERSITY OF ARIZONA	UOU	312,890	
	47.074	VARIOUS	USU	966,078	51,973
	47.074	VARIOUS	UOU	4,442,590	102,318
	47.075	28214-04124 SO1 Syracuse University	WSU	5,731	5,731
	47.075	S-001006 UNIVERSITY OF CALIFORNIA RIVERSIDE	UOU	35,764	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
47.075	SUBAWARD NO. 4101-81928 Purdue University	USU	37,441	
47.075	VARIOUS	UVU	52,921	
47.075	VARIOUS	USU	189,555	62,363
47.075	VARIOUS	UOU	720,584	150,975
47.076	1323279 Univ of Wisconsin	SUU	114	
47.076	ECRA632-22-53/SUB ARIZONA STATE UNIVERSITY	UOU	191	
47.076	VARIOUS Pennsylvania State University	SLCC	1,913	
47.076	VARIOUS	SUU	1,977	
47.076	TERC PROJECT # 12745 TERC	USU	5,998	
47.076	VARIOUS	DSU	6,254	
47.076	VARIOUS	WSU	8,492	
47.076	R-18-0004 University of Houston	SUU	10,280	
47.076	VARIOUS	Snow	21,874	
47.076	VARIOUS	GOED	70,675	
47.076	Various National Federation of the Blind	USU	77,825	
47.076	VARIOUS	BATC	86,064	
47.076	VARIOUS	SLCC	315,774	
47.076	VARIOUS	UVU	675,725	
47.076	VARIOUS	USU	2,602,686	52,815
47.076	VARIOUS	UOU	2,893,612	316,184
47.078	VARIOUS	USU	-2,910	
47.079	OISE-17-62930-1 CRDF GLOBAL	UOU	13,136	
47.079	VARIOUS	UOU	20,246	
47.079	7141560C /GR06613 UNIVERSITY OF NEVADA LAS VEGAS	UOU	112,146	
47.080	VARIOUS	USU	167,052	57,695
Subtotal Research and Development Programs– National Science Foundation			49,862,301	4,688,596

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
Subtotal Research and Development Programs– NATIONAL SCIENCE FOUNDATION			49,862,301	4,688,596
NUCLEAR REGULATORY COMMISSION				
Nuclear Regulatory Commission				
77.008	VARIOUS	USU	131,036	
77.008	VARIOUS	UOU	177,609	
Subtotal Research and Development Programs– Nuclear Regulatory Commission			308,645	
Subtotal Research and Development Programs– NUCLEAR REGULATORY COMMISSION			308,645	
SMITHSONIAN INSTITUTION				
Smithsonian Institution				
60	VARIOUS	USU	11,771	
Subtotal Research and Development Programs– Smithsonian Institution			11,771	
Subtotal Research and Development Programs– SMITHSONIAN INSTITUTION			11,771	
STATE, DEPARTMENT OF				
Bureau of Educational and Cultural Affairs				
19.401	VARIOUS BINATIONAL FULBRIGHT COMM IN EGYPT	UOU	435	
Subtotal Research and Development Programs– Bureau of Educational and Cultural Affairs			435	
Subtotal Research and Development Programs– STATE, DEPARTMENT OF			435	
TRANSPORTATION, DEPARTMENT OF				
Federal Aviation Administration (FAA)				
20.109	VARIOUS	UOU	188,646	
Subtotal Research and Development Programs– Federal Aviation Administration (FAA)			188,646	
Federal Highway Administration (FHWA)				
20	10044592 APPLIED ENGINEERING MANAGEMENT CORP	UOU	37,208	
20.200	VARIOUS	DOT	189,321	
20.205	VARIOUS	DOT	7,814,861	97,605
Subtotal Research and Development Programs– Federal Highway Administration (FHWA)			8,041,390	97,605
Federal Transit Administration (FTA)				

Federal Agency and Major Subdivision / CFDA	Award/Contract / Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS				
20	VARIOUS	UOU	164	
20.514	4918-001/490-220-001S1 CALSTART	USU	37,797	
Subtotal Research and Development Programs– Federal Transit Administration (FTA)			37,961	
Office of the Secretary (OST) Administration Secretariate				
20.701	NITCN-UU-20-1074 PORTLAND STATE UNIVERSITY	UOU	-30	
20.701	NITC2016-UU-01#1149 PORTLAND STATE UNIVERSITY	UOU	428	
20.701	Various PORTLAND STATE UNIVERSITY	UOU	2,000	
20.701	FAR0023138 NORTH DAKOTA STATE UNIVERSITY	UOU	15,086	
20.701	NITC2016-UU-17/1264 PORTLAND STATE UNIVERSITY	UOU	15,250	
20.701	NITC2016-UU-09-1175 PORTLAND STATE UNIVERSITY	UOU	15,648	
20.701	NITC2016-UU-08 PORTLAND STATE UNIVERSITY	UOU	17,809	
20.701	NITC2016-UU-05 PORTLAND STATE UNIVERSITY	UOU	32,449	12,000
20.701	NITC2016-UU-15-1217 PORTLAND STATE UNIVERSITY	UOU	37,088	
20.701	FAR0023140 North Dakota State University	USU	37,925	
20.701	NITC2016-UU-16 PORTLAND STATE UNIVERSITY	UOU	40,501	
20.701	8823-USU-1 Western Michigan University	USU	45,574	
20.701	NITC 2016-UU-06-1118 PORTLAND STATE UNIVERSITY	UOU	50,435	
20.701	NITC2016-UU-07 PORTLAND STATE UNIVERSITY	UOU	62,072	3,387
20.701	NITC2016-UU-04 PORTLAND STATE UNIVERSITY	UOU	62,606	27,500
20.701	S1988078; 5233; 451718; 681190 Rutgers The State University of New Jersey	USU	98,197	
20.701	FAR0028684 NORTH DAKOTA STATE UNIVERSITY	UOU	144,061	
20.701	FAR0028869 North Dakota State University	USU	191,830	
Subtotal Research and Development Programs– Office of the Secretary (OST) Administration Secretariate			868,929	42,887
Subtotal Research and Development Programs– TRANSPORTATION, DEPARTMENT OF			9,136,926	140,492
VETERANS AFFAIRS, DEPARTMENT OF				
Department of Veterans Affairs				

Federal Agency and Major Subdivision	CFDA	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
RESEARCH AND DEVELOPMENT PROGRAMS					
	64	VARIOUS	USU	5,946	
	64	VARIOUS	UOU	20,157	
	64.034	VARIOUS	UOU	21,329	
Subtotal Research and Development Programs– Department of Veterans Affairs				47,432	
Subtotal Research and Development Programs– VETERANS AFFAIRS, DEPARTMENT OF				47,432	
Total Research and Development				564,050,315	79,870,012

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
AGING CLUSTER					
93.044	Special Programs for the Aging_Title III, Part B_Grants for Supportive Services and Senior Centers • Health and Human Services, Department of	VARIOUS	DHS	2,436,079	2,345,269
93.045	Special Programs for the Aging_Title III, Part C_Nutrition Services • Health and Human Services, Department of	VARIOUS	DHS	4,700,980	4,238,929
93.053	Nutrition Services Incentive Program • Health and Human Services, Department of	VARIOUS	DHS	1,400,001	1,400,001
			Subtotal – Aging Cluster	8,537,060	7,984,199
CCDF CLUSTER					
93.575	SLCO 4-H Entheos Kearns/Magna • Health and Human Services, Department of	BJ17164 Salt Lake County	USU	31,593	
93.575	Child Care and Development Block Grant • Health and Human Services, Department of	VARIOUS	DWS	47,110,852	1,608,274
93.596	Child Care Mandatory and Matching Funds of the Child Care and Development Fund • Health and Human Services, Department of	VARIOUS	DWS	35,415,398	1,065,153
			Subtotal – CCDF Cluster	82,557,843	2,673,427
CHILD NUTRITION CLUSTER					
10.553	School Breakfast Program • Agriculture, Department of	VARIOUS	PED	22,758,279	22,758,279
10.555	National School Lunch Program • Agriculture, Department of	In-kind Commodities	PED	14,462,339	14,462,339
10.555	National School Lunch Program • Agriculture, Department of	VARIOUS	PED	126,438,303	126,143,252
10.556	Special Milk Program for Children • Agriculture, Department of	VARIOUS	PED	30,252	30,252
10.559	Summer Food Service Program for Children • Agriculture, Department of	VARIOUS	PED	711,711	688,885
			Subtotal – Child Nutrition Cluster	164,400,884	164,083,007
CLEAN WATER STATE REVOLVING FUND CLUSTER					
66.458	Capitalization Grants for Clean Water State Revolving Funds • Environmental Protection Agency	VARIOUS	DEQ	2,487,078	2,235,800
			Subtotal – Clean Water State Revolving Fund Cluster	2,487,078	2,235,800
DISABILITY INSURANCE/SSI CLUSTER					
96.001	Social Security_Disability Insurance • Social Security Administration	VARIOUS	DWS	14,249,628	
			Subtotal – Disability Insurance/SSI Cluster	14,249,628	
DRINKING WATER STATE REVOLVING FUND CLUSTER					

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
66.468	Capitalization Grants for Drinking Water State Revolving Funds • Environmental Protection Agency	VARIOUS	DEQ	8,567,155	5,821,600
		Subtotal – Drinking Water State Revolving Fund Cluster		8,567,155	5,821,600
ECONOMIC DEVELOPMENT CLUSTER					
11.307	Economic Adjustment Assistance • Commerce, Department of	VARIOUS	DSU	210,460	
		Subtotal – Economic Development Cluster		210,460	
EMPLOYMENT SERVICE CLUSTER					
17.207	Employment Service/Wagner-Peyser Funded Activities • Labor, Department of	VARIOUS	DWS	6,827,011	
17.801	Disabled Veterans' Outreach Program (DVOP) • Labor, Department of	VARIOUS	DWS	1,010,250	
17.804	Local Veterans' Employment Representative Program • Labor, Department of	VARIOUS	DWS	182,538	
		Subtotal – Employment Service Cluster		8,019,799	
FEDERAL TRANSIT CLUSTER					
20.526	Bus and Bus Facilities Formula Program • Transportation, Department of	VARIOUS	DOT	1,691,416	
		Subtotal – Federal Transit Cluster		1,691,416	
FISH AND WILDLIFE CLUSTER					
15.605	Sport Fish Restoration • Interior, Department of the	VARIOUS	DNR	7,296,759	
15.611	Wildlife Restoration and Basic Hunter Education • Interior, Department of the	VARIOUS	DNR	10,911,901	
		Subtotal – Fish and Wildlife Cluster		18,208,660	
FOOD DISTRIBUTION CLUSTER					
10.565	Commodity Supplemental Food Program • Agriculture, Department of	VARIOUS	DOH	203,740	
10.568	Emergency Food Assistance Program (Administrative Costs) • Agriculture, Department of	VARIOUS	PED	1,577,501	1,577,501
10.569	Emergency Food Assistance Program (Food Commodities) • Agriculture, Department of	VARIOUS	PED	2,653,839	2,653,839
		Subtotal – Food Distribution Cluster		4,435,080	4,231,340
FOREST SERVICE SCHOOLS AND ROADS CLUSTER					
10.665	Schools and Roads - Grants to States • Agriculture, Department of	VARIOUS	WSU	1,567	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
		Subtotal – Forest Service Schools and Roads Cluster		1,567	
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER					
20.205	Highway Planning and Construction • Transportation, Department of	VARIOUS	DOT	367,252,297	7,946,830
20.219	Recreational Trails Program • Transportation, Department of	VARIOUS	DNR	1,077,759	973,657
		Subtotal – Highway Planning and Construction Cluster		368,330,056	8,920,487
HIGHWAY SAFETY CLUSTER					
20.600	State and Community Highway Safety • Transportation, Department of	VARIOUS	DPS	2,034,163	732,480
20.616	National Priority Safety Programs • Transportation, Department of	VARIOUS	DPS	2,012,099	550,407
		Subtotal – Highway Safety Cluster		4,046,262	1,282,887
MEDICAID CLUSTER					
93.775	State Medicaid Fraud Control Units • Health and Human Services, Department of	VARIOUS	AG	1,595,565	
93.777	State Survey and Certification of Health Care Providers and Suppliers (Title XVIII) Medicare • Health and Human Services, Department of	VARIOUS	DOH	3,832,608	
93.778	Medical Assistance Program • Health and Human Services, Department of	VARIOUS	DOH	1,950,632,392	28,299,591
		Subtotal – Medicaid Cluster		1,956,060,565	28,299,591
SNAP CLUSTER					
10.551	Supplemental Nutrition Assistance Program • Agriculture, Department of	VARIOUS	DWS	239,723,636	
10.561	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program • Agriculture, Department of	VARIOUS	DWS	17,903,421	
		Subtotal – SNAP Cluster		257,627,057	
SPECIAL EDUCATION CLUSTER (IDEA)					
84.027	Idaho Training and Assessment • Education, Department of	18-5000 State of Idaho Department of Education	USU	-2	
84.027	Washington DR FY18 • Education, Department of	20180215 Office of Superintendent of Public Instruction	USU	75	
84.027	Idaho Indicator Survey Work • Education, Department of	19-5042 State of Idaho Department of Education	USU	1,301	
84.027	Washington Dispute Resolution • Education, Department of	20190007 Office of Superintendent of Public Instruction	USU	2,277	
84.027	Washington Jobs Alike Workgrou • Education, Department of	20190008 Office of Superintendent of Public Instruction	USU	2,445	
84.027	Washington Special Education A • Education, Department of	20180381; Office of Superintendent of Public Instruction	USU	3,485	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
84.027	Oregon Interagency Coordinatin • Education, Department of	11461 Oregon Department of Education	USU	4,230	
84.027	Kentucky Special Education Tra • Education, Department of	PON2 540 1900000755 State of Kentucky	USU	5,657	
84.027	Kentucky IDEA • Education, Department of	PON2 540 1900000752 State of Kentucky	USU	7,592	
84.027	Kentucky Dispute Resolution Co • Education, Department of	PON2 540 1900000749 State of Kentucky	USU	9,019	
84.027	Idaho TASK12 FY19 • Education, Department of	19-5011 State of Idaho Department of Education	USU	9,998	
84.027	Nebraska Technical Assistance • Education, Department of	94-9410-248-1B03-18 Nebraska Department of Education	USU	14,708	
84.027	Kentucky Complaint Investigato • Education, Department of	PON2 540 180000 State of Kentucky	USU	19,609	
84.027	Training and Assessment System • Education, Department of	Various New Hampshire Department of Education	USU	28,061	
84.027	Idaho Indicator 8, 14, and Dat • Education, Department of	18-5015; State of Idaho Department of Education	USU	33,325	
84.027	Oregon Technical Assistance • Education, Department of	10797 Oregon Department of Education	USU	45,918	
84.027	Arizona Technical Assistance F • Education, Department of	IGA #16-19-ED PART 2 State of Arizona Department of Education	USU	64,305	
84.027	Kentucky Complaint Investigati • Education, Department of	PON2 540 1900000748 State of Kentucky	USU	104,154	
84.027	Arizona Recruitment/Retention • Education, Department of	IGA #16-19-ED PART 1 State of Arizona Department of Education	USU	248,189	
84.027	KANSAS TASN PROJECT • Education, Department of	652-15-1862 Kansas Department of Education	USU	309,190	
84.027	Special Education_Grants to States • Education, Department of	VARIOUS	PED	78,694,249	71,813,312
84.173	Special Education_Preschool Grants • Education, Department of	VARIOUS	PED	2,669,888	2,669,888
		Subtotal – Special Education Cluster (IDEA)		82,277,673	74,483,200
STUDENT FINANCIAL ASSISTANCE PROGRAMS					
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	MATC	5,976	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	DATC	40,396	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	OWATC	67,438	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	Snow	147,277	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	DSU	219,743	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	SUU	264,179	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	WSU	465,840	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	SLCC	585,662	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	USU	771,590	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	UOU	857,695	
84.007	Federal Supplemental Educational Opportunity Grants • Education, Department of	VARIOUS	UVU	893,658	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	DATC	11,539	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	OWATC	49,809	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	Snow	95,441	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	SUU	235,269	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	DSU	264,725	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	SLCC	312,771	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	USU	857,594	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	WSU	933,050	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	UVU	937,401	
84.033	Federal Work-Study Program • Education, Department of	VARIOUS	UOU	1,766,305	
84.038	Perkins Loan Program Cancellation • Education, Department of	VARIOUS	SUU	82,135	
84.038	Perkins Loan Program - Beginning Loan Balance • Education, Department of	VARIOUS	C&U	40,488,438	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	ubatc	112,884	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	TATC	349,819	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	SWATC	364,025	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	DXATC	639,739	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	MATC	927,759	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	DATC	950,940	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	BATC	1,020,598	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	OWATC	1,198,777	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	Snow	7,273,768	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	SUU	14,476,531	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	DSU	14,927,876	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	SLCC	25,981,708	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	WSU	29,909,595	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	UOU	30,132,565	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	USU	40,793,615	
84.063	Federal Pell Grant Program • Education, Department of	VARIOUS	UVU	54,743,266	
84.268	Federal Direct Student Loans • Education, Department of	VARIOUS	C&U	337,540,183	
84.379	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants) • Education, Department of	VARIOUS	UOU	11,256	
84.379	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants) • Education, Department of	VARIOUS	USU	131,272	
84.408	Postsecondary Education Scholarships for Veteran's Dependents • Education, Department of	VARIOUS	UVU	5,692	
93.264	Nurse Faculty Loan Program (NFLP) - Loans Made • Health and Human Services, Department of	VARIOUS	C&U	168,146	
93.264	Nurse Faculty Loan Program (NFLP) - Beginning Loan Balance • Health and Human Services, Department of	VARIOUS	C&U	595,297	
93.342	Health Professions Student Loans - Loans Made • Health and Human Services, Department of	VARIOUS	C&U	928,500	
93.342	Health Professions Student Loans - Beginning Loan Balance • Health and Human Services, Department of	VARIOUS	C&U	3,187,459	
93.364	Nursing Student Loans - Loans Made • Health and Human Services, Department of	VARIOUS	C&U	192,662	
93.364	Nursing Student Loans - Beginning Loan Balance • Health and Human Services, Department of	VARIOUS	C&U	438,761	
		Subtotal – Student Financial Assistance Programs		617,356,624	
TANF CLUSTER					
93.558	Temporary Assistance for Needy Families • Health and Human Services, Department of	VARIOUS	DWS	56,005,643	6,833,593
		Subtotal – TANF Cluster		56,005,643	6,833,593
TRANSIT SERVICES PROGRAMS CLUSTER					

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
20.513	Enhanced Mobility of Seniors and Individuals with Disabilities • Transportation, Department of	VARIOUS	DOT	385,482	246,893
20.516	Job Access and Reverse Commute Program • Transportation, Department of	VARIOUS	DOT	130,248	130,248
20.521	New Freedom Program • Transportation, Department of	VARIOUS	DOT	136,129	136,129
		Subtotal – Transit Services Programs Cluster		651,859	513,270
TRIO CLUSTER					
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	UVU	272,886	
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	DSU	321,916	
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	SUU	338,394	
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	UOU	348,221	
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	Snow	391,903	
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	WSU	427,196	
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	SLCC	577,300	
84.042	TRIO_Student Support Services • Education, Department of	VARIOUS	USU	889,831	
84.044	TRIO_Talent Search • Education, Department of	VARIOUS	WSU	238,005	
84.044	TRIO_Talent Search • Education, Department of	VARIOUS	SUU	303,555	
84.044	TRIO_Talent Search • Education, Department of	VARIOUS	SLCC	321,995	
84.044	TRIO_Talent Search • Education, Department of	VARIOUS	USU	388,918	
84.044	TRIO_Talent Search • Education, Department of	VARIOUS	DSU	465,066	
84.047	TRIO_Upward Bound • Education, Department of	VARIOUS	Snow	328,675	
84.047	TRIO_Upward Bound • Education, Department of	VARIOUS	UVU	381,042	
84.047	TRIO_Upward Bound • Education, Department of	VARIOUS	DSU	396,701	
84.047	TRIO_Upward Bound • Education, Department of	VARIOUS	UOU	490,971	
84.047	TRIO_Upward Bound • Education, Department of	VARIOUS	SUU	492,694	
84.047	TRIO_Upward Bound • Education, Department of	VARIOUS	USU	744,394	
84.047	TRIO_Upward Bound • Education, Department of	VARIOUS	WSU	759,728	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Expenditures	Provided to Subrecipients
CLUSTER PROGRAMS					
84.066	TRIO_Educational Opportunity Centers • Education, Department of	VARIOUS	UVU	234,636	47,209
			Subtotal – TRIO Cluster	9,114,027	47,209
WIOA CLUSTER					
17.258	WIOA Adult Program • Labor, Department of	VARIOUS	DWS	3,990,115	
17.259	WIOA Youth Activities • Labor, Department of	VARIOUS	DWS	3,098,121	
17.278	WIOA Dislocated Worker Formula Grants • Labor, Department of	VARIOUS	DWS	3,326,612	
			Subtotal – WIOA Cluster	10,414,848	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
AGENCY FOR INTERNATIONAL DEVELOPMENT						
98	U.S. Agency for International Development	VARIOUS	UOU		2,369,809	592,338
				2,369,809		
		Subtotal – Agency for International Development			2,369,809	592,338
AGRICULTURE, DEPARTMENT OF						
10	USFSCONFLICT RESOLUTION	VARIOUS ENVIROISSUES INC	UOU		591	
10	TCN Manti-LaSal RAP 2017	17-PA-11041000-020 The Corps Network	USU		22,788	
10	Department of Agriculture	VARIOUS	WSU		26,815	
10	Department of Agriculture	VARIOUS	UOU		48,785	
10	THE CORPS NETWORK - USFS RAP 2	17-PA-11046000-008 The Corps Network	USU		55,345	
10	Department of Agriculture	VARIOUS	DWS		184,604	
10	Department of Agriculture	VARIOUS	USU		194,628	
10	Department of Agriculture	VARIOUS	DNR		232,142	
10	Department of Agriculture	VARIOUS	SUU		594,837	
				1,360,535		
10.001	Agricultural Research_Basic and Applied Research	VARIOUS	WSU		3,703	
10.001	Agricultural Research_Basic and Applied Research	VARIOUS	USU		22,289	
				25,992		
10.025	Plant and Animal Disease, Pest Control, and Animal Care	VARIOUS	USU		137,000	
10.025	Plant and Animal Disease, Pest Control, and Animal Care	VARIOUS	DAG		541,894	
				678,894		
10.069	Conservation Reserve Program	VARIOUS	DAG		312,007	
				312,007		
10.162	Inspection Grading and Standardization	VARIOUS	DAG		204,169	
				204,169		
10.163	Market Protection and Promotion	VARIOUS	DAG		152,206	
				152,206		
10.168	Farmers' Market and Local Food Promotion Program	VARIOUS	USU		48,570	179
				48,570		
10.170	Specialty Crop Block Grant Program - Farm Bill	VARIOUS	DAG		241,152	262,625
				241,152		

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
10.178	Trade Mitigation Program Eligible Recipient Agency Operational Funds	VARIOUS	PED		130,000	130,000
				130,000		
10.215	Utah Western SARE PDP State Pr	G158-19-W7506 Montana State University	USU		1,975	
10.215	Sustainable Agriculture Research and Education	VARIOUS	USU		242,296	329,748
				244,271		
10.223	FUTURE HISPANIC ENGINEERS	2015-38422-24059 (04) UNIVERSITY OF TEXAS- PAN AMERICAN	UOU		5,000	
				5,000		
10.304	Utah Plant Pest Diagnostic Lab	201603796-06 Regents of the University of California	USU		19,154	
				19,154		
10.310	Agriculture and Food Research Initiative (AFRI)	VARIOUS	USU		187,177	
				187,177		
10.311	Beginning Farmer and Rancher Development Program	VARIOUS	USU		260,079	219,743
				260,079		
10.318	Women and Minorities in Science, Technology, Engineering, and Mathematics Fields	VARIOUS	SUU		8,584	
				8,584		
10.319	Farm Business Management Benchmarking Collaboration	25-6324-0163-005 University of Nebraska-Lincoln	Snow		46,610	
				46,610		
10.329	Crop Protection and Pest Management Competitive Grants Program	VARIOUS	USU		107,137	
				107,137		
10.433	Rural Housing Preservation Grants	VARIOUS	DWS		2,000,312	
				2,000,312		
10.435	State Mediation Grants	VARIOUS	DAG		8,455	
				8,455		
10.443	Western Region American Indian	UNR 17-27 University of Nevada at Reno	USU		5,108	
				5,108		
10.447	Rural Development Loans- Loans Made	VARIOUS	DWS		50,000	
10.447	Rural Development Loans- Beginning Loan Balance	VARIOUS	DWS		3,624,853	
				3,674,853		
10.460	Risk Management Education Partnerships	VARIOUS	USU		192,353	
				192,353		
10.475	Cooperative Agreements with States for Intrastate Meat and Poultry Inspection	VARIOUS	DAG		1,350,098	
				1,350,098		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
10.500	Risk Management Education for	134194-G004010 Washington State University	USU		1,909	
10.500	Davis County 4-H Take Flight D	S19158 Kansas State University	USU		2,099	
10.500	Risk Management Education (#8)	108815-G003708 Washington State University	Snow		3,632	
10.500	4-H Air Force Dependent Summer	S18141 Kansas State University	USU		4,566	
10.500	USU Extension 4-H Military Par	S19070 Kansas State University	USU		7,559	
10.500	4-H Military Partnership 2017	S17125.01 Kansas State University	USU		11,502	
10.500	Enhancing Direct Market Fresh	108815-G003712 Washington State University	USU		28,068	
10.500	Risk Management Education (#9)	108815 G003868 Washington State University	Snow		31,198	
10.500	Cooperative Extension Service	VARIOUS	USU		3,084,556	40,166
				3,175,089		
10.534	CACFP Meal Service Training Grants	VARIOUS	PED		18,179	
				18,179		
10.535	SNAP Recipient Integrity Education Grant	VARIOUS	DWS		31,148	
				31,148		
10.557	Special Supplemental Nutrition Program for Women, Infants, and Children	VARIOUS	DOH		34,587,761	32,265,267
				34,587,761		
10.558	Child and Adult Care Food Program	VARIOUS	SUU		199,895	
10.558	Child and Adult Care Food Program	VARIOUS	PED		2,341,945	2,341,945
				2,541,840		
10.560	State Administrative Expenses for Child Nutrition	VARIOUS	PED		2,440,974	
				2,440,974		
10.578	WIC Grants to States (WGS)	VARIOUS	DOH		2,457,881	77,349
				2,457,881		
10.579	Child Nutrition Discretionary Grants Limited Availability	VARIOUS	PED		190,327	190,327
				190,327		
10.582	Fresh Fruit and Vegetable Program	VARIOUS	PED		2,582,192	2,582,192
				2,582,192		
10.652	Forestry Research	VARIOUS	USU		11,804	
10.652	Forestry Research	VARIOUS	SUU		95,488	
				107,292		
10.664	Cooperative Forestry Assistance	VARIOUS	SUU		53,839	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
10.664	Cooperative Forestry Assistance	VARIOUS	DNR		4,702,531	210,752
				4,756,370		
10.674	Wood Utilization Assistance	VARIOUS	USU		6,655	
				6,655		
10.675	Urban and Community Forestry Program	VARIOUS	SUU		663,923	
				663,923		
10.676	Forest Legacy Program	VARIOUS	DNR		67,187	
				67,187		
10.680	Forest Health Protection	VARIOUS	DNR		235,223	
				235,223		
10.683	NFWF Temple Fork 2018	2100.17.055122 National Fish and Wildlife Foundation	USU		26,039	
				26,039		
10.691	Good Neighbor Authority	VARIOUS	DNR		195,184	
				195,184		
10.699	Partnership Agreements	VARIOUS	DNR		7,531	
10.699	Partnership Agreements	VARIOUS	USU		29,612	
				37,143		
10.703	Cooperative Fire Protection Agreement	VARIOUS	DAG		69,000	
				69,000		
10.855	Distance Learning and Telemedicine Loans and Grants	VARIOUS	Snow		104,335	
10.855	Distance Learning and Telemedicine Loans and Grants	VARIOUS	USU		515,148	
				619,483		
10.902	Soil and Water Conservation	VARIOUS	DAG		8,548	
10.902	Beaver-Assisted Restoration &	Various Pheasants Forever, Inc.	USU		168,793	
10.902	Soil and Water Conservation	VARIOUS	DNR		630,508	
				807,849		
10.912	Environmental Quality Incentives Program	VARIOUS	DAG		13,480	
				13,480		
10.914	Wildlife Habitat Incentive Program	VARIOUS	DNR		70,602	
				70,602		
10.916	Watershed Rehabilitation Program	VARIOUS	DNR		1,580,647	
				1,580,647		
10.923	Emergency Watershed Protection Program	VARIOUS	DAG		-22,623	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				-22,623		
10.924	Conservation Stewardship Program	VARIOUS	DAG		113,201	
				113,201		
10.932	Regional Conservation Partnership Program	VARIOUS	DNR		776,604	
				776,604		
		Subtotal – Agriculture, Department of			69,411,366	38,650,293
COMMERCE, DEPARTMENT OF						
11	Department of Commerce	VARIOUS	UOU		20,066	
11	National Mesonet Program	S2017-0132 Synoptic Data Corp.	USU		59,247	
				79,313		
11.303	Economic Development_Technical Assistance	VARIOUS	DSU		8,985	
				8,985		
11.549	State and Local Implementation Grant Program	VARIOUS	UCA		230,190	
				230,190		
11.611	Manufacturing Extension Partnership	VARIOUS	UOU		589,071	
				589,071		
11.999	Pride in our Seas, Pride in Ourselves	NA16NOS9990133 Univ of the Virgin Islands	SUU		905	
				905		
		Subtotal – Commerce, Department of			908,464	
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE						
94.003	State Commissions	VARIOUS	DHA		183,024	5,000
				183,024		
94.006	TCN AmeriCorps TIP 2019	18NDHDC002 The Corps Network	USU		75,295	
94.006	YOUTH BUILD AMERICORP	13NDHMA0010101 YOUTH BUILD USA	OWATC		109,785	
94.006	AmeriCorps	VARIOUS	DHA		3,307,365	3,266,701
				3,492,445		
94.007	Program Development and Innovation Grants	VARIOUS	SLCC		194,264	
				194,264		
94.009	Training and Technical Assistance	VARIOUS	DHA		300,568	13,946
				300,568		
94.013	Volunteers in Service to America	VARIOUS	DWS		8,764	
94.013	Volunteers in Service to America	VARIOUS	USU		287,138	
				295,902		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
94.020	CNCS Disaster Response Cooperative Agreement	VARIOUS	USU		469,393	
				469,393		
94.021	Volunteer Generation Fund	VARIOUS	DHA		38,573	
				38,573		
94.024	Social Innovation Fund Pay for Success	VARIOUS	UOU		514,151	36,239
				514,151		
		Subtotal – Corporation for National and Community Service			5,488,320	3,321,886
DEPARTMENT OF DEFENSE						
12	ABRUPT	10045354 AMERICAN BURN ASSOCIATION	UOU		1,911	
12	PROGSTAR	NNSP03130070UTAHNER FOUNDATION FIGHTING BLINDNESS	UOU		7,816	
12	SIVENT	FY16.794.011 UNIVERSITY OF COLORADO AT DENVER	UOU		10,810	
12	NAVFAC Manual Update--Chapter-	418357-19138 Virigina Tech Polytechnic Institute and State University	USU		14,443	
12	2019 AFRL University Design Ch	TSC-1191-60000 Technology Services Corporation	USU		20,183	
12	Department of Defense	VARIOUS	UOU		26,457	
12	FHA DOD	VARIOUS WESTERN INSTITUTE FOR BIOMEDICAL RESH	UOU		76,045	
12	COMPOSITE DAMPING TESTING	9737-AM05 / 10039795 MATERIALS SCIENCES CORPORATION	UOU		78,149	
				235,814		
12.002	Procurement Technical Assistance For Business Firms	VARIOUS	GOED		407,285	
				407,285		
12.113	State Memorandum of Agreement Program for the Reimbursement of Technical Services	VARIOUS	DEQ		635,798	
				635,798		
12.300	RITN FY15	209163 NATIONAL MARROW DONOR PROGRAM	UOU		3,935	
				3,935		
12.357	LANGUAGE TRAINING CENTER	PGO1801-UTAH-18 INSTITUTE OF INTERNATIONAL EDUCATION	UOU		4,799	
12.357	LANGUAGE TRAINING CENTER	PGO1801-UTAH-18-LTC-052-PO1 INSTITUTE OF INTERNATIONAL EDUCATION	UOU		165,531	
				170,330		
12.400	Military Construction, National Guard	VARIOUS	UNG		22,636,637	
				22,636,637		
12.401	National Guard Military Operations and Maintenance (O&M) Projects	VARIOUS	UNG		40,944,847	
				40,944,847		

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
12.420	VANCO STUDY	SR00001694 JOHNS HOPKINS HOSPITAL	UOU		6,376	
				6,376		
12.550	FLAGSHIP PROFICIENCY GRANT	0054UTAH23PI280P01 INSTITUTE OF INTERNATIONAL EDUCATION	UOU		57,325	
				57,325		
12.579	LANGUAGE TRAINING CENTER	2603UTAH11LTC052P04 INSTITUTE OF INTERNATIONAL EDUCATION	UOU		86,431	
				86,431		
12.610	Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies	VARIOUS	GOE		377,136	377,136
				377,136		
12.615	Research and Technical Assistance	VARIOUS	DNR		19,175	
				19,175		
12.630	ECOS	ITRC-16-UT Environmental Council of States	DEQ		5,000	
				5,000		
12.800	Air Force Defense Research Sciences Program	VARIOUS	UOU		191,656	
				191,656		
12.900	Language Grant Program	VARIOUS	UOU		96,317	
				96,317		
			Subtotal – Department of Defense		65,874,062	377,136
DEPARTMENT OF HOMELAND SECURITY						
97	Department of Homeland Security	VARIOUS	DPS		65,275	99,603
				65,275		
97.008	Non-Profit Security Program	VARIOUS	DPS		4,046	4,046
				4,046		
97.012	Boating Safety Financial Assistance	VARIOUS	DNR		1,292,241	
				1,292,241		
97.023	Community Assistance Program State Support Services Element (CAP-SSSE)	VARIOUS	DPS		295,956	
				295,956		
97.024	Emergency Food and Shelter National Board Program	VARIOUS	DWS		9,692	
				9,692		
97.036	Disaster Grants - Public Assistance (Presidentially Declared Disasters)	VARIOUS	DPS		1,172,370	1,172,370
				1,172,370		
97.039	Hazard Mitigation Grant	VARIOUS	DPS		1,064,814	1,044,996
				1,064,814		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
97.041	National Dam Safety Program	VARIOUS	DNR		147,414	
				147,414		
97.042	Emergency Management Performance Grants	VARIOUS	DPS		4,378,938	1,834,343
				4,378,938		
97.043	State Fire Training Systems Grants	VARIOUS	UVU		20,000	
				20,000		
97.044	Assistance to Firefighters Grant	VARIOUS	UVU		536,250	
				536,250		
97.045	Cooperating Technical Partners	VARIOUS	DPS		1,757,486	
				1,757,486		
97.046	Fire Management Assistance Grant	VARIOUS	DPS		1,059,867	1,059,867
				1,059,867		
97.047	Pre-Disaster Mitigation	VARIOUS	DPS		2,631,769	2,388,332
				2,631,769		
97.067	Homeland Security Grant Program	VARIOUS	DPS		3,730,682	3,357,423
				3,730,682		
97.082	Earthquake Consortium	VARIOUS	DPS		36,426	20,662
				36,426		
		Subtotal – Department of Homeland Security			18,203,226	10,981,642
EDUCATION, DEPARTMENT OF						
84	Kansas Technical Assistance	652-15-1870 Kansas Department of Education	USU		183,841	
84	Department of Education	VARIOUS	PED		192,136	
				375,977		
84.002	Adult Education - Basic Grants to States	VARIOUS	PED		3,769,388	3,093,640
				3,769,388		
84.010	Title I Grants to Local Educational Agencies	VARIOUS	PED		57,088,579	55,895,265
				57,088,579		
84.011	Migrant Education_State Grant Program	VARIOUS	PED		1,152,030	952,324
				1,152,030		
84.013	Title I State Agency Program for Neglected and Delinquent Children and Youth	VARIOUS	PED		925,435	720,183
				925,435		
84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	VARIOUS	UOU		1,446,559	669,634

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				1,446,559		
84.016	Undergraduate International Studies and Foreign Language Programs	VARIOUS	WSU		9,215	
				9,215		
84.031	Higher Education_Institutional Aid	VARIOUS	WSU		72,324	
84.031	Higher Education_Institutional Aid	VARIOUS	UVU		382,726	
84.031	Higher Education_Institutional Aid	VARIOUS	SLCC		432,713	
84.031	Higher Education_Institutional Aid	VARIOUS	USU		491,310	
				1,379,073		
84.032	STUDENT LOAN PURCHASE PROGRAM, NET	VARIOUS	SAP		-4,796,782	
84.032	Federal Family Education Loans Reinsurance - Guarantees Made	VARIOUS	SAP		13,117,052	
84.032	Federal Family Education Loans Reinsurance - Beginning Guarantee Amount	VARIOUS	SAP		761,675,582	
				769,995,852		
84.037	Perkins Loan Cancellations	VARIOUS	USU		102,420	
84.037	Perkins Loan Cancellations	VARIOUS	UVU		173,515	
				275,935		
84.048	Career and Technical Education -- Basic Grants to States	VARIOUS	PED		11,110,970	9,791,415
				11,110,970		
84.126	Rehabilitation Services_Vocational Rehabilitation Grants to States	VARIOUS	DWS		24,829,191	1,100,109
				24,829,191		
84.129	Rehabilitation Long-Term Training	VARIOUS	USU		627,064	
				627,064		
84.144	Migrant Education_Coordination Program	VARIOUS	PED		78,206	
				78,206		
84.177	Rehabilitation Services_Independent Living Services for Older Individuals Who are Blind	VARIOUS	DWS		224,602	224,602
				224,602		
84.181	Wyoming Early Intervention Cou	KE-2018-020 Wyoming Department of Health	USU		945	
84.181	Special Education-Grants for Infants and Families	VARIOUS	DOH		5,726,300	4,841,422
				5,727,245		
84.187	Supported Employment Services for Individuals with the Most Significant Disabilities	VARIOUS	DWS		368,948	
				368,948		
84.196	Education for Homeless Children and Youth	VARIOUS	PED		313,976	217,590

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				313,976		
84.206	Javits Gifted and Talented Students Education	VARIOUS	PED		26,396	
				26,396		
84.229	Language Resource Centers	VARIOUS	UOU		117,548	
				117,548		
84.287	Twenty-First Century Community Learning Centers	VARIOUS	PED		5,225,138	4,875,860
				5,225,138		
84.305	AAAS SUBCONTRACT	3155A AMER ASSOC FOR THE ADVANCMNT OF SCIENCE	UOU		12,202	
				12,202		
84.323	Arizona Web Project	16-02-EDSG State of Arizona Department of Education	USU		20,170	
84.323	Arizona State Personnel Develo	16-01-EDSG State of Arizona Department of Education	USU		76,768	
84.323	Special Education - State Personnel Development	VARIOUS	PED		741,428	341,125
				838,366		
84.325	CEEDAR	H325A120003 University of Florida	PED		1,705	1,705
84.325	NLCSD SCHOLARS - YR 3	UTAH 88403 17-18 SALUS UNIVERSITY	UOU		2,000	
84.325	NLCSD PROJECT YEAR 4	H325H140002 SALUS UNIVERSITY	UOU		26,198	
84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	VARIOUS	UOU		822,011	16,014
84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	VARIOUS	USU		989,897	
				1,841,811		
84.326	Special Education_Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	VARIOUS	PED		98,845	
				98,845		
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	VARIOUS	SUU		6,095	
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	MOU Ogden City School District	WSU		43,629	43,629
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	MOU-PO180408 Ogden City School District	WSU		44,083	44,083
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	VARIOUS	UVU		4,033,456	435,472
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	VARIOUS	USU		7,233,045	3,900,002
				11,360,308		
84.335	Child Care Access Means Parents in School	VARIOUS	UVU		86,497	
84.335	Child Care Access Means Parents in School	VARIOUS	SLCC		101,060	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
84.335	Child Care Access Means Parents in School	VARIOUS	SUU		117,698	
84.335	Child Care Access Means Parents in School	VARIOUS	UOU		298,232	
84.335	Child Care Access Means Parents in School	VARIOUS	USU		382,505	
				985,992		
84.358	Rural Education	VARIOUS	USU		1,271	
84.358	Rural Education	VARIOUS	PED		179,480	174,337
				180,751		
84.365	English Language Acquisition State Grants	VARIOUS	PED		2,966,870	2,798,780
				2,966,870		
84.366	Mathematics and Science Partnerships	VARIOUS	PED		201,210	199,796
				201,210		
84.367	Improving Teacher Quality State Grants	07-UT02-SEED2017-ILI National Writing Project Corporation	WSU		183	183
84.367	Supporting Effective Instruction State Grants	VARIOUS	REG		260,374	
84.367	Supporting Effective Instruction State Grants	VARIOUS	PED		10,572,465	10,236,960
				10,833,022		
84.369	Grants for State Assessments and Related Activities	VARIOUS	PED		4,956,869	
				4,956,869		
84.372	Statewide Longitudinal Data Systems	VARIOUS	PED		1,246,372	
				1,246,372		
84.373	Center for the Integration of	100041.Y4.001-TAES01 Applied Engineering Management Corp. (AEM)	USU		12,385	
84.373	Center for IDEA Fiscal Reporti	S-00015246 WestEd	USU		244,740	
				257,125		
84.377	School Improvement Grants	VARIOUS	PED		1,299,330	1,246,248
				1,299,330		
84.407	Transition Programs for Students with Intellectual Disabilities into Higher Education	VARIOUS	USU		211,593	
				211,593		
84.418	Promoting Readiness of Minors in Supplemental Security Income	VARIOUS	DWS		6,852,466	3,744,837
				6,852,466		
84.424	New Mexico Multi-Layered Syste	19-924-00180 State of New Mexico Department of Education	USU		35,119	
84.424	Student Support and Academic Enrichment Program	VARIOUS	PED		1,579,926	1,538,905
				1,615,045		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
		Subtotal – Education, Department of			930,825,504	107,104,120
ELECTION ASSISTANCE COMMISSION						
90.401	Help America Vote Act Requirements Payments	VARIOUS	Gov		233,523	233,523
				233,523		
		Subtotal – Election Assistance Commission			233,523	233,523
ENERGY, DEPARTMENT OF						
81	Department of Energy	VARIOUS	USU		449	
81	NANOSCALE LUBRICANT MECHANICS	FELL0WSHIPN0BLE KRELL INSTITUTE	UOU		48,595	
81	Joint Appointment work with Pa	232060 Battelle	USU		53,232	
81	Department of Energy	VARIOUS	UOU		170,503	
				272,779		
81.041	State Energy Program	VARIOUS	GOE		576,514	173,525
81.041	State Energy Program	VARIOUS	GOV		1,666,207	
				2,242,721		
81.042	Weatherization Assistance for Low-Income Persons	VARIOUS	DWS		2,308,745	2,068,140
				2,308,745		
81.104	Environmental Remediation and Waste Processing and Disposal	VARIOUS	DEQ		1,701	
				1,701		
81.106	Waste Isolation Pilot Plant	30-312-08 WIPP Western Governor's Association	DEQ		113,062	
				113,062		
81.117	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	VARIOUS	UOU		397,239	
				397,239		
81.119	State Energy Program Special Projects	VARIOUS	GOE		59,975	53,029
				59,975		
81.121	Nuclear Energy Research, Development and Demonstration	VARIOUS	UOU		53,585	
81.121	Nuclear Energy Research, Development and Demonstration	VARIOUS	USU		56,664	
				110,249		
81.136	Long-Term Surveillance and Maintenance	VARIOUS	DEQ		12,481	
81.136	Long-Term Surveillance and Maintenance	VARIOUS	DNR		67,593	
				80,074		
81.502	ECOS	ITRC-16-UT Environmental Council of States	DEQ		5,000	
				5,000		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
		Subtotal – Energy, Department of			5,591,545	2,294,694
ENVIRONMENTAL PROTECTION AGENCY						
66.034	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act	VARIOUS	WSU		76,217	
66.034	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act	VARIOUS	DEQ		582,940	
				659,157		
66.039	National Clean Diesel Emissions Reduction Program	VARIOUS	DEQ		1,521,927	681,026
				1,521,927		
66.040	State Clean Diesel Grant Program	VARIOUS	DEQ		211,475	
				211,475		
66.202	Congressionally Mandated Projects	VARIOUS	DEQ		6,451,393	364,553
				6,451,393		
66.419	Water Pollution Control State, Interstate, and Tribal Program Support	VARIOUS	DEQ		732,609	
				732,609		
66.433	State Underground Water Source Protection	VARIOUS	DNR		83,000	
				83,000		
66.454	Water Quality Management Planning	VARIOUS	DEQ		102,555	
				102,555		
66.460	Nonpoint Source Implementation Grants	VARIOUS	DEQ		1,085,247	192,309
				1,085,247		
66.461	Regional Wetland Program Development Grants	VARIOUS	DEQ		110,927	
66.461	Regional Wetland Program Development Grants	VARIOUS	DNR		207,346	
				318,273		
66.514	Science to Achieve Results (STAR) Fellowship Program	VARIOUS	UOU		20,100	
				20,100		
66.605	Performance Partnership Grants	VARIOUS	DEQ		6,104,161	106,968
				6,104,161		
66.608	Environmental Information Exchange Network Grant Program and Related Assistance	VARIOUS	DNR		117,560	
66.608	Environmental Information Exchange Network Grant Program and Related Assistance	VARIOUS	DEQ		177,669	
				295,229		
66.700	Consolidated Pesticide Enforcement Cooperative Agreements	VARIOUS	DAG		455,940	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				455,940		
66.716	Pesticide Safety Education Man	SA-2019-11 eXtension Foundation	USU		6,655	
66.716	2018 PSEP Funding	SA-2017-28 eXtension Foundation	USU		11,592	
				18,247		
66.802	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements	VARIOUS	DNR		14,835	
66.802	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements	VARIOUS	DEQ		1,154,097	
				1,168,932		
66.804	Underground Storage Tank Prevention, Detection and Compliance Program	VARIOUS	DEQ		329,332	
				329,332		
66.805	Leaking Underground Storage Tank Trust Fund Corrective Action Program	VARIOUS	DEQ		672,846	
				672,846		
66.813	ECOS	ITRC-16-UT Environmental Council of States	DEQ		5,000	
				5,000		
66.817	State and Tribal Response Program Grants	VARIOUS	DEQ		442,834	
				442,834		
		Subtotal – Environmental Protection Agency			20,678,257	1,344,856
EQUAL EMPLOYMENT OPPORTUNITY COMMISSION						
30.001	Employment Discrimination_Title VII of the Civil Rights Act of 1964	VARIOUS	LBR		363,178	
				363,178		
		Subtotal – Equal Employment Opportunity Commission			363,178	
EXECUTIVE OFFICE OF THE PRESIDENT						
95.001	High Intensity Drug Trafficking Areas Program	VARIOUS	DPS		671,657	301,015
				671,657		
		Subtotal – Executive Office Of The President			671,657	301,015
FEDERAL COUNCIL ON THE ARTS AND THE HUMANITIES						
45	Federal Council on the Arts and the Humanities	VARIOUS	DHA		836,126	
				836,126		
45.024	Promotion of the Arts_Grants to Organizations and Individuals	VARIOUS	USU		7,785	
45.024	Promotion of the Arts_Grants to Organizations and Individuals	VARIOUS	SUU		25,000	
45.024	Promotion of the Arts_Grants to Organizations and Individuals	VARIOUS	UOU		66,635	
				99,420		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
45.025	Promotion of the Arts_Partnership Agreements	VARIOUS	DHA		878,828	813,379
				878,828		
45.163	Promotion of the Humanities_Professional Development	VARIOUS	UOU		57,522	
45.163	Promotion of the Humanities_Professional Development	VARIOUS	SLCC		82,148	
				139,670		
45.301	Museums for America	VARIOUS	UOU		26,892	
				26,892		
45.310	Grants to States	VARIOUS	DHA		2,199,762	697,078
				2,199,762		
45.312	National Leadership Grants	VARIOUS	UOU		165,357	
				165,357		
		Subtotal – Federal Council on the Arts and the Humanities			4,346,055	1,510,457
GENERAL SERVICES ADMINISTRATION						
39.003	Donation of Federal Surplus Personal Property	VARIOUS	DAS		260,002	
				260,002		
		Subtotal – General Services Administration			260,002	
HEALTH AND HUMAN SERVICES, DEPARTMENT OF						
93	Department of Health and Human Services	VARIOUS	DAG		8,961	
93	Department of Health and Human Services	VARIOUS	DOH		174,018	
				182,979		
93.041	Special Programs for the Aging_Title VII, Chapter 3_Programs for Prevention of Elder Abuse, Neglect, and Exploitation	VARIOUS	DHS		28,267	28,267
				28,267		
93.042	Special Programs for the Aging_Title VII, Chapter 2_Long Term Care Ombudsman Services for Older Individuals	VARIOUS	DHS		102,902	77,228
				102,902		
93.043	Special Programs for the Aging_Title III, Part D_Disease Prevention and Health Promotion Services	VARIOUS	DHS		134,081	134,081
				134,081		
93.048	Special Programs for the Aging_Title IV_and Title II_Discretionary Projects	VARIOUS	DHS		284,837	248,826
				284,837		
93.052	National Family Caregiver Support, Title III, Part E	VARIOUS	DHS		969,113	969,113
				969,113		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
93.065	Laboratory Leadership, Workforce Training and Management Development, Improving Public Health Laboratory Infrastructure	VARIOUS	DOH		261,900	
				261,900		
93.068	Chronic Diseases: Research, Control, and Prevention	VARIOUS	DOH		128,847	
				128,847		
93.069	Public Health Emergency Preparedness	VARIOUS	DOH		6,793,782	4,479,315
				6,793,782		
93.070	Environmental Public Health and Emergency Response	VARIOUS	DOH		2,278,643	9,141
				2,278,643		
93.071	Medicare Enrollment Assistance Program	VARIOUS	DHS		135,000	135,000
				135,000		
93.073	Birth Defects and Developmental Disabilities - Prevention and Surveillance	VARIOUS	DOH		317,535	
				317,535		
93.074	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	VARIOUS	DOH		2,429,730	1,626,970
				2,429,730		
93.079	Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance	VARIOUS	DOH		95,160	
				95,160		
93.086	DHS: BYU Relationship Enrichment Program	A02435 Brigham Young University	SUU		-274	
93.086	Healthy Marriage Promotion and Responsible Fatherhood Grants	VARIOUS	USU		1,620,958	99,905
				1,620,684		
93.092	Affordable Care Act (ACA) Personal Responsibility Education Program	VARIOUS	DOH		664,532	524,026
				664,532		
93.103	Food and Drug Administration_Research	VARIOUS	DAG		1,211,092	
				1,211,092		
93.104	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)	VARIOUS	DHS		681,713	
				681,713		
93.110	Maternal and Child Health Federal Consolidated Programs	VARIOUS	DOH		508,035	134,199
93.110	Maternal and Child Health Federal Consolidated Programs	VARIOUS	USU		1,655,697	110,000
				2,163,732		
93.116	Project Grants and Cooperative Agreements for Tuberculosis Control Programs	VARIOUS	DOH		354,872	192,481

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				354,872		
93.127	Emergency Medical Services for Children	VARIOUS	DOH		105,723	45,075
				105,723		
93.130	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices	VARIOUS	DOH		164,346	
				164,346		
93.136	Injury Prevention and Control Research and State and Community Based Programs	VARIOUS	DOH		4,551,253	686,327
				4,551,253		
93.150	Projects for Assistance in Transition from Homelessness (PATH)	VARIOUS	DHS		587,691	
				587,691		
93.184	Disabilities Prevention	VARIOUS	DOH		156,704	
				156,704		
93.211	Telehealth Programs	VARIOUS	SUU		115,505	
				115,505		
93.234	Traumatic Brain Injury State Demonstration Grant Program	VARIOUS	USU		32,797	
93.234	Traumatic Brain Injury State Demonstration Grant Program	VARIOUS	DOH		86,632	
				119,429		
93.235	Affordable Care Act (ACA) Abstinence Education Program	VARIOUS	DOH		424,687	376,344
				424,687		
93.237	USU FCS Family Wellness Progra	Various Ute Indian Tribe	USU		12,470	
				12,470		
93.240	State Capacity Building	VARIOUS	DOH		195,815	
				195,815		
93.241	State Rural Hospital Flexibility Program	VARIOUS	DOH		485,983	212,545
				485,983		
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS	WSU		39,860	
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS	USU		83,138	
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS	PED		354,701	146,219
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS	DHS		5,458,567	2,917,784
				5,936,266		
93.251	Universal Newborn Hearing Screening	VARIOUS	DOH		273,792	10,824

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				273,792		
93.262	Agricultural Safety Education	5866-USU-CSU-1107 Penn State University	USU		33,469	
				33,469		
93.268	Immunization Cooperative Agreements	VARIOUS	DOH		29,369,038	27,279,324
				29,369,038		
93.270	Adult Viral Hepatitis Prevention and Control	VARIOUS	DOH		116,192	
				116,192		
93.283	Centers for Disease Control and Prevention_Investigations and Technical Assistance	VARIOUS	DOH		575,583	128,919
				575,583		
93.296	State Partnership Grant Program to Improve Minority Health	VARIOUS	DOH		181,156	32,550
				181,156		
93.301	Small Rural Hospital Improvement Grant Program	VARIOUS	DOH		238,670	206,925
				238,670		
93.305	National State Based Tobacco Control Programs	VARIOUS	DOH		962,889	529,527
				962,889		
93.314	Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program	VARIOUS	DOH		147,304	
				147,304		
93.323	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	VARIOUS	DOH		3,633,942	298,497
				3,633,942		
93.324	State Health Insurance Assistance Program	VARIOUS	DHS		432,874	305,440
				432,874		
93.336	Behavioral Risk Factor Surveillance System	VARIOUS	DOH		332,371	
				332,371		
93.354	Public Health Emergency Response: Cooperative Agreement for Emergency Response: Public Health Crisis Response	VARIOUS	DOH		1,633,993	412,938
				1,633,993		
93.369	SILC: Training and Technical A	19-1825 TIRR Memorial Herman	USU		106,557	
93.369	ACL Independent Living State Grants	VARIOUS	DWS		321,181	321,181
93.369	CIL: Training and Technical As	18-1812 TIRR Memorial Herman	USU		488,111	
				915,849		
93.421	Act Early Ambassadors	Various Association of University Centers on Disabilities	USU		1,824	
				1,824		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
93.432	CIL: Training and Technical As	19-1590 TIRR Memorial Herman	USU		1,347	
				1,347		
93.434	Every Student Succeeds Act/Preschool Development Grants	VARIOUS	DWS		106,213	
				106,213		
93.435	Innovative State and Local Public Health Strategies to prevent and Manage Diabetes and Heart Disease and Stroke-	VARIOUS	DOH		1,075,799	777,620
				1,075,799		
93.436	WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION (WISEWOMAN)	VARIOUS	DOH		1,234,545	553,231
				1,234,545		
93.439	State Physical Activity and Nutrition (SPAN	VARIOUS	DOH		597,097	160,654
				597,097		
93.449	Ruminant Feed Ban Support Project	VARIOUS	DAG		29,533	
				29,533		
93.464	ACL Assistive Technology	VARIOUS	USU		447,427	
				447,427		
93.511	Affordable Care Act (ACA) Grants to States for Health Insurance Premium Review	VARIOUS	INS		50,815	
93.511	Affordable Care Act (ACA) Grants to States for Health Insurance Premium Review	VARIOUS	DOH		89,659	
				140,474		
93.521	The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements;PPHF	VARIOUS	DOH		178,086	17,680
				178,086		
93.524	Utah Act Early Ambassador	Various Association of University Centers on Disabilities	USU		5,449	
				5,449		
93.556	Promoting Safe and Stable Families	VARIOUS	DHS		2,027,736	150,000
				2,027,736		
93.563	Child Support Enforcement	VARIOUS	DHS		20,006,385	
				20,006,385		
93.566	Refugee and Entrant Assistance_State Administered Programs	VARIOUS	DWS		5,731,049	3,532,563
				5,731,049		
93.568	Low-Income Home Energy Assistance	VARIOUS	DWS		25,006,941	24,081,222
				25,006,941		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
93.569	Community Services Block Grant	VARIOUS	DWS		3,513,352	3,332,370
				3,513,352		
93.576	Refugee and Entrant Assistance_Discretionary Grants	VARIOUS	DOH		74,849	74,868
				74,849		
93.584	Refugee and Entrant Assistance_Targeted Assistance Grants	VARIOUS	DWS		203,940	32,066
				203,940		
93.586	State Court Improvement Program	VARIOUS	JUD		504,066	
				504,066		
93.590	Community-Based Child Abuse Prevention Grants	VARIOUS	DHS		353,975	
				353,975		
93.597	Grants to States for Access and Visitation Programs	VARIOUS	JUD		100,000	
				100,000		
93.599	Chafee Education and Training Vouchers Program (ETV)	VARIOUS	DHS		220,419	
				220,419		
93.600	Head Start	VARIOUS	DWS		144,487	
93.600	Head Start	VARIOUS	SUU		4,951,227	
				5,095,714		
93.603	Adoption and Legal Guardianship Incentive Payments	VARIOUS	DHS		775,706	
				775,706		
93.630	Developmental Disabilities Basic Support and Advocacy Grants	VARIOUS	DHS		710,329	10,078
				710,329		
93.631	Developmental Disabilities Projects of National Significance	VARIOUS	USU		13,958	
93.631	Developmental Disabilities Projects of National Significance	VARIOUS	DHS		286,652	
				300,610		
93.632	Serious Mental Illness Nationa	PO 7800004501 University of Kentucky Research Foundation	USU		103,665	
93.632	University Centers for Excellence in Developmental Disabilities Education, Research, and Service	VARIOUS	USU		577,693	
				681,358		
93.643	Children's Justice Grants to States	VARIOUS	AG		209,998	
				209,998		
93.645	Stephanie Tubbs Jones Child Welfare Services Program	VARIOUS	DHS		3,846,700	
				3,846,700		
93.658	Foster Care_Title IV-E	VARIOUS	DHS		34,480,368	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				34,480,368		
93.659	Adoption Assistance	VARIOUS	DHS		11,562,916	
				11,562,916		
93.667	Social Services Block Grant	VARIOUS	DWS		15,000	
93.667	Social Services Block Grant	VARIOUS	DHS		24,324,569	2,170,869
				24,339,569		
93.669	Child Abuse and Neglect State Grants	VARIOUS	DHS		457,496	
				457,496		
93.671	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services	VARIOUS	DHS		1,268,745	
				1,268,745		
93.674	Chafee Foster Care Independence Program	VARIOUS	DHS		831,835	
				831,835		
93.732	Mental and Behavioral Health Education and Training Grants	VARIOUS	DHS		279,523	
				279,523		
93.734	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs – financed by Prevention and Public Health Funds (PPHF)	VARIOUS	DOH		406,675	750
				406,675		
93.735	State Public Health Approaches for Ensuring Quitline Capacity – Funded in part by Prevention and Public Health Funds (PPHF)	VARIOUS	DOH		69,918	
				69,918		
93.757	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	VARIOUS	DOH		3,211,057	933,345
				3,211,057		
93.761	Evidence-Based Falls Prevention Programs Financed Solely by Prevention and Public Health Funds (PPHF)	VARIOUS	DOH		189,409	46,594
				189,409		
93.767	Children's Health Insurance Program	VARIOUS	DOH		128,247,634	479,821
				128,247,634		
93.788	Opioid STR	VARIOUS	DHS		7,966,844	5,462,410
				7,966,844		
93.815	Domestic Ebola Supplement to the Epidemiology and Laboratory Capacity for Infectious Diseases (ELC).	VARIOUS	DOH		424,640	
				424,640		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
93.817	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities	VARIOUS	DOH		67,047	67,041
				67,047		
93.870	Maternal, Infant and Early Childhood Home Visiting Grant Program	VARIOUS	DOH		2,026,246	1,662,135
				2,026,246		
93.881	The Health Insurance Enforcement and Consumer Protections Grant Program	VARIOUS	INS		40,481	
				40,481		
93.898	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations	VARIOUS	DOH		2,865,581	220,989
				2,865,581		
93.913	Grants to States for Operation of State Offices of Rural Health	VARIOUS	DOH		171,878	
				171,878		
93.917	HIV Care Formula Grants	VARIOUS	DOH		7,262,691	
				7,262,691		
93.940	HIV Prevention Activities_Health Department Based	VARIOUS	DOH		1,185,631	346,464
				1,185,631		
93.945	Assistance Programs for Chronic Disease Prevention and Control	VARIOUS	DOH		264,776	8,582
				264,776		
93.946	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs	VARIOUS	DOH		249,142	
				249,142		
93.958	Block Grants for Community Mental Health Services	VARIOUS	DHS		4,688,390	3,372,864
				4,688,390		
93.959	Partnership and Community Coll	018000.340888.02 Mississippi State University	USU		184,874	
93.959	Block Grants for Prevention and Treatment of Substance Abuse	VARIOUS	DHS		16,959,175	14,514,961
				17,144,049		
93.977	Preventive Health Services_Sexually Transmitted Diseases Control Grants	VARIOUS	DOH		753,964	243,273
				753,964		
93.991	Preventive Health and Health Services Block Grant	VARIOUS	DOH		1,651,685	1,268,228
				1,651,685		
93.994	Maternal and Child Health Services Block Grant to the States	VARIOUS	DOH		6,924,269	1,873,818
				6,924,269		
93.997	Assisted Outpatient Treatment	VARIOUS	DHS		776,643	633,866
				776,643		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
		Subtotal – Health and Human Services, Department of			405,532,418	108,707,333
HOUSING AND URBAN DEVELOPMENT, DEPARTMENT OF						
14	Department of Housing and Urban Development	VARIOUS	UOU		-507	
				-507		
14.169	Housing Counseling Assistance Program	VARIOUS	USU		27,392	
				27,392		
14.228	Community Development Block Grants/State's Program and Non-Entitlement Grants in Hawaii	VARIOUS	DWS		5,471,276	5,161,618
				5,471,276		
14.230	Rental Housing Rehabilitation	VARIOUS	DWS		223,066	
				223,066		
14.231	Emergency Solutions Grant Program	VARIOUS	DWS		1,197,067	1,017,605
				1,197,067		
14.239	HOME INVESTMENT PARTNERSHIP	VARIOUS	DWS		656,100	
14.239	HOME Investment Partnerships Program Loans - Loans Made	VARIOUS	DWS		4,760,803	
14.239	Program Income - HOME INVESTMENT PARTNERSHIP	PROGRAM INCOME	DWS		5,221,566	1,407,840
14.239	HOME Investment Partnerships Program Loans - Beginning Loan Balance	VARIOUS	DWS		72,680,364	
				83,318,833		
14.241	Housing Opportunities for Persons with AIDS	VARIOUS	DWS		152,580	146,641
				152,580		
14.267	Continuum of Care Program	VARIOUS	DWS		402,420	
				402,420		
14.275	Housing Trust Fund	VARIOUS	DWS		282,466	
14.275	Housing Trust Fund Loans - Beginning Loan Balance	VARIOUS	DWS		1,000,000	
14.275	Housing Trust Fund Loans - Loans Made	VARIOUS	DWS		1,350,000	
				2,632,466		
14.401	Fair Housing Assistance Program_State and Local	VARIOUS	LBR		274,800	
				274,800		
		Subtotal – Housing and Urban Development, Department of			93,699,393	7,733,704
INTERIOR, DEPARTMENT OF THE						
15	Department of the Interior	VARIOUS	UOU		533	
15	Department of the Interior	VARIOUS	SUU		4,514	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
15	Tuba City Boarding School Prof	Various Tuba City Unified School District	USU		6,726	
15	Trainings for Chemawa Indian S	140A1218C0007 Chimawa Indian School	USU		20,812	
15	Department of the Interior	VARIOUS	USU		32,447	
15	Department of the Interior	VARIOUS	DNR		33,329	
15	Department of the Interior	VARIOUS	DAG		163,750	166,526
				262,111		
15.033	DOI,BIA	1544001 Duchesne County	DOT		-320	
				-320		
15.159	Cultural Resources Management	VARIOUS	SUU		21,056	
				21,056		
15.224	Cultural and Paleontological Resources Management	VARIOUS	SUU		68,685	
15.224	Cultural and Paleontological Resources Management	VARIOUS	DNR		115,948	
15.224	Cultural and Paleontological Resources Management	VARIOUS	DHA		132,400	45,427
				317,033		
15.225	Recreation Resource Management	VARIOUS	USU		261	
15.225	Recreation Resource Management	VARIOUS	DNR		27,155	
15.225	Recreation Resource Management	VARIOUS	SUU		75,607	
				103,023		
15.228	BLM Wildland Urban Interface Community Fire Assistance	VARIOUS	DNR		14,964	
				14,964		
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS	SUU		75,279	
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS	DNR		11,122,477	
				11,197,756		
15.236	Environmental Quality and Protection Resource Management	VARIOUS	DEQ		84,415	
15.236	Environmental Quality and Protection Resource Management	VARIOUS	DNR		230,624	
				315,039		
15.237	Rangeland Resource Management	VARIOUS	USU		23,203	
				23,203		
15.238	Challenge Cost Share	VARIOUS	DNR		53,401	
				53,401		
15.243	BLM Youth Conservation	VARIOUS	USU		32,950	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
15.243	BLM Youth Conservation	VARIOUS	SUU		336,927	
				369,877		
15.250	Regulation of Surface Coal Mining and Surface Effects of Underground Coal Mining	VARIOUS	DNR		1,884,368	
				1,884,368		
15.252	Abandoned Mine Land Reclamation (AMLR)	VARIOUS	DNR		4,078,833	
				4,078,833		
15.427	Federal Oil and Gas Royalty Management State and Tribal Coordination	VARIOUS	TAX		521,125	
				521,125		
15.503	B.O.R. - Olsen Neihart	09PG490017	DEQ		513	
				513		
15.504	Diamond Fork Mitiagation Project	11-FC-UT-1810	DNR		13,771	
15.504	Native Cutthroat Trout conservation	15FC-UT-2070	DNR		14,624	
15.504	Provo River Restoration PRRP	10-FC-UT-1670	DNR		57,818	
15.504	Admin and Management	10-FC-UT-1660	DNR		86,893	
15.504	Utah Lake Wetland Preserve/Juab Co	10-FC-UT-1650	DNR		278,582	
				451,688		
15.509	BOR/COLORADO RIVER BASIN SALINITY	R16AC0023	DAG		347,894	270,820
				347,894		
15.511	BOR Data Sharing	R16AC00094	DHA		5,015	
15.511	CURATION OF BOR COLLECTIONS	R16AP00020	UOU		26,743	
				31,758		
15.517	Native Species Conservation	VARIOUS	DNR		330,866	
				330,866		
15.524	BOR Echo	R18AP00051	DNR		154,185	
				154,185		
15.529	San Juan Non-native Lower San Juan	R13AC40007	DNR		1,253	
15.529	San Juan Non-native Lower San Juan	R18AC00053	DNR		31,191	
15.529	Razor Back Sucker	R16AP00164	DNR		248,292	
15.529	Upper Colorado River Recovery	R14AP00007	DNR		1,126,669	
				1,407,405		
15.535	Upper Colorado River Basin Fish and Wildlife Mitigation	VARIOUS	DNR		184,983	
				184,983		

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
15.608	Fish and Wildlife Management Assistance	VARIOUS	DNR		215,380	
				215,380		
15.615	Cooperative Endangered Species Conservation Fund	VARIOUS	WSU		532	
15.615	Cooperative Endangered Species Conservation Fund	VARIOUS	DNR		51,750	
				52,282		
15.628	Multistate Conservation Grant	VARIOUS	DNR		24,000	
				24,000		
15.634	State Wildlife Grants	VARIOUS	DNR		732,359	
				732,359		
15.642	Challenge Cost Share	VARIOUS	DNR		1,135	
				1,135		
15.652	Invasive Species	VARIOUS	DNR		18,955	
				18,955		
15.655	Migratory Bird Monitoring, Assessment and Conservation	VARIOUS	DNR		33,311	
				33,311		
15.657	Endangered Species Conservation Recovery Implementation Funds	VARIOUS	DNR		22,676	
				22,676		
15.670	Adaptive Science	VARIOUS	DNR		231,840	
				231,840		
15.678	Cooperative Ecosystem Studies Units	VARIOUS	UOU		5,114	
				5,114		
15.807	Earthquake Hazards Reduction Program	VARIOUS	DNR		56,133	
15.807	Earthquake Hazards Reduction Program	VARIOUS	UOU		885,765	
				941,898		
15.808	U.S. Geological Survey_ Research and Data Collection	VARIOUS	DNR		12,040	
				12,040		
15.810	National Cooperative Geologic Mapping	VARIOUS	SUU		6,115	
15.810	National Cooperative Geologic Mapping	VARIOUS	DNR		145,354	
				151,469		
15.814	National Geological and Geophysical Data Preservation	VARIOUS	DNR		61,802	
				61,802		
15.817	National Geospatial Program: Building The National Map	VARIOUS	DTS		654,395	
				654,395		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
15.818	Volcano Hazards Program Research and Monitoring	VARIOUS	UOU		312,767	
				312,767		
15.904	Historic Preservation Fund Grants-In-Aid	VARIOUS	DHA		774,716	144,899
				774,716		
15.916	Outdoor Recreation_Acquisition, Development and Planning	VARIOUS	DNR		66,000	
				66,000		
15.922	Native American Graves Protection and Repatriation Act	VARIOUS	UOU		13,654	
				13,654		
15.931	Conservation Activities by Youth Service Organizations	VARIOUS	USU		172,123	
				172,123		
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS	DNR		5,300	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS	UOU		63,562	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS	DSU		140,040	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS	SUU		532,520	
				741,422		
15.954	National Park Service Conservation, Protection, Outreach, and Education	VARIOUS	DNR		21,685	
				21,685		
15.980	National Ground-Water Monitoring Network	VARIOUS	DNR		23,407	
				23,407		
		Subtotal – Interior, Department of the			27,355,191	627,672
JUSTICE, DEPARTMENT OF						
16	Department of Justice	VARIOUS	INS		-39	
16	RIC-AAU TRAFFICKING	VARIOUS ASIAN ASSOCIATION OF UTAH	UOU		1,621	
16	Department of Justice	VARIOUS	AG		3,242	
16	Department of Justice	VARIOUS	DPS		4,944	3,744
16	Western Regional Children's Advocacy Center Chapter Capacity Impact Stipend	Training Grant Western Regional Advocacy Center	AG		15,000	
16	District Attorney, NYC/Sexual Assault Backlog Elimination Program	5DA02-30-01 District Attorney, New York City	DPS		163,185	
16	Department of Justice	VARIOUS	UNG		6,234,372	
				6,422,325		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
16.017	Sexual Assault Services Formula Program	VARIOUS	GOV		377,701	360,061
				377,701		
16.320	AAU TIP	VARIOUS ASIAN ASSOCIATION OF UTAH	UOU		2,607	
16.320	Services for Trafficking Victims	VARIOUS	AG		320,052	
				322,659		
16.525	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus	VARIOUS	USU		60,642	
				60,642		
16.529	Education, Training, and Enhanced Services to End Violence Against and Abuse of Women with Disabilities	VARIOUS	DHS		37,606	1,774
				37,606		
16.540	Juvenile Justice and Delinquency Prevention_Allocation to States	VARIOUS	GOV		414,794	172,418
				414,794		
16.543	Missing Children's Assistance	VARIOUS	AG		345,620	
				345,620		
16.550	State Justice Statistics Program for Statistical Analysis Centers	VARIOUS	GOV		273,203	260,171
				273,203		
16.575	Crime Victim Assistance	VARIOUS	GOV		18,621,030	17,139,884
				18,621,030		
16.576	Crime Victim Compensation	VARIOUS	GOV		2,774,223	
				2,774,223		
16.582	Innovative Remedies to Reduce Elder Abuse and Financial Exploitation	2017-VF-GX-K141 Utah Legal Services Inc	DHS		40,262	40,262
16.582	Crime Victim Assistance/Discretionary Grants	VARIOUS	GOV		127,044	
				167,306		
16.585	Drug Court Discretionary Grant Program	VARIOUS	DHS		448,991	374,321
				448,991		
16.588	Violence Against Women Formula Grants	VARIOUS	GOV		1,383,385	1,175,290
				1,383,385		
16.593	Residential Substance Abuse Treatment for State Prisoners	VARIOUS	GOV		138,918	132,874
				138,918		
16.606	State Criminal Alien Assistance Program	VARIOUS	DOC		415,281	
				415,281		
16.726	4-H Mentoring NMP Lead Advisor	2018-JU-FX-0005 National 4-H Council	USU		37	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
16.726	National Mentoring Program VII	2016-JU-FX-0022 National 4-H Council	USU		7,995	
16.726	4-H Health Rocks! Mentoring Pi	2018-JU-FX-0005 (SUB) National 4-H Council	USU		11,860	
16.726	National Mentoring Program 9	2018-JU-FX-0005 (SUB) National 4-H Council	USU		20,942	
16.726	National Mentoring Program VII	2017-JU-FX-0016 National 4-H Council	USU		34,302	
16.726	4-H Mentoring - NMP Lead Advis	FFY16 2017-FX-00162 National 4-H Council	USU		42,959	
16.726	Juvenile Mentoring Program	VARIOUS	USU		292,561	
				410,656		
16.734	Special Data Collections and Statistical Studies	VARIOUS	DPS		11,134	
				11,134		
16.738	Edward Byrne Memorial Justice Assistance Grant Program	VARIOUS	GOV		654,274	566,023
				654,274		
16.741	DNA Backlog Reduction Program	VARIOUS	DPS		560,353	
				560,353		
16.742	Paul Coverdell Forensic Sciences Improvement Grant Program	VARIOUS	DPS		230,159	38,348
				230,159		
16.751	Edward Byrne Memorial Competitive Grant Program	VARIOUS	GOV		76,064	76,064
				76,064		
16.754	Harold Rogers Prescription Drug Monitoring Program	VARIOUS	DOH		38,593	
				38,593		
16.758	OJJDP FY17 Victims of Child Abuse (VOCA) Children's Advocay Centers National Subgrants Program	2015-CI-FX-K001 National Children's Alliance	AG		147,410	84,000
				147,410		
16.812	Second Chance Act Reentry Initiative	VARIOUS	DOC		190,321	
16.812	Second Chance Act Reentry Initiative	VARIOUS	DHS		360,259	
				550,580		
16.813	NICS Act Record Improvement Program	VARIOUS	GOV		682,500	682,500
				682,500		
16.816	John R. Justice Prosecutors and Defenders Incentive Act	VARIOUS	AG		73,053	
				73,053		
16.833	National Sexual Assault Kit Initiative	VARIOUS	GOV		985,894	871,986
				985,894		
16.922	Equitable Sharing Program	VARIOUS	AG		34,313	

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
16.922	Equitable Sharing Program	VARIOUS	DPS		60,474	36,169
				94,787		
		Subtotal – Justice, Department of			36,719,141	22,015,889
LABOR, DEPARTMENT OF						
17	Department of Labor	VARIOUS	UOU		56,295	
				56,295		
17.002	Labor Force Statistics	VARIOUS	DWS		1,087,599	
				1,087,599		
17.005	Compensation and Working Conditions	VARIOUS	LBR		96,793	
				96,793		
17.225	Unemployment Insurance	VARIOUS	DWS		27,725,104	
17.225	STATE FUNDED UNEMPLOYMENT EXPENDITURES UI	VARIOUS	DWS		152,196,569	
				179,921,673		
17.235	Senior Community Service Employment Program	VARIOUS	DHS		474,047	435,547
				474,047		
17.245	Trade Adjustment Assistance	VARIOUS	DWS		957,753	
				957,753		
17.271	Work Opportunity Tax Credit Program (WOTC)	VARIOUS	DWS		156,505	
				156,505		
17.273	Temporary Labor Certification for Foreign Workers	VARIOUS	DWS		52,991	
				52,991		
17.274	Youthbuild	VARIOUS	OWATC		573,514	
				573,514		
17.282	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants	VARIOUS	SLCC		168,245	
				168,245		
17.285	Apprenticeship USA Grants	VARIOUS	DWS		54,787	
				54,787		
17.503	Occupational Safety and Health_State Program	VARIOUS	LBR		1,528,800	
				1,528,800		
17.504	Consultation Agreements	VARIOUS	LBR		659,973	
				659,973		
17.600	Mine Health and Safety Grants	VARIOUS	USU		225,270	
				225,270		

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
		Subtotal – Labor, Department of			186,014,245	435,547
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION						
43	National Aeronautics and Space Administration	VARIOUS	UOU		15,560	
43	National Aeronautics and Space Administration	VARIOUS	SUU		24,394	
				39,954		
43.001	Science	VARIOUS	WSU		13,538	
43.001	Science	VARIOUS	USU		54,529	
				68,067		
43.003	Creative 3D Plant Optimization	XHAB 2018-11 National Space Grant Foundation	USU		11,168	
				11,168		
43.008	Education	VARIOUS	UOU		657,116	519,045
				657,116		
43.009	Cross Agency Support	VARIOUS	USU		-6,000	
				-6,000		
43.012	Space Technology	VARIOUS	UOU		61,707	
				61,707		
		Subtotal – National Aeronautics and Space Administration			832,012	519,045
NATIONAL ARCHIVES AND RECORDS ADMINISTRATION						
89.003	National Historical Publications and Records Grants	VARIOUS	DAS		33,687	
				33,687		
		Subtotal – National Archives and Records Administration			33,687	
NUCLEAR REGULATORY COMMISSION						
77.008	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	VARIOUS	UOU		105,704	
				105,704		
		Subtotal – Nuclear Regulatory Commission			105,704	
SECURITIES AND EXCHANGE COMMISSION						
58	Securities and Exchange Commission	VARIOUS	WSU		229,562	
				229,562		
		Subtotal – Securities and Exchange Commission			229,562	
SMALL BUSINESS ADMINISTRATION						
59.037	Small Business Development Centers	VARIOUS	USU		950,077	677,869
				950,077		
		Subtotal – Small Business Administration			950,077	677,869

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
SOCIAL SECURITY ADMINISTRATION						
96	Social Security Administration	VARIOUS	DWS		2,709,741	127,593
				2,709,741		
96.008	Social Security - Work Incentives Planning and Assistance Program	VARIOUS	DWS		110,000	
				110,000		
		Subtotal – Social Security Administration			2,819,741	127,593
STATE, DEPARTMENT OF						
19	FULBRIGHT STUDENT PROGRAM	3216UOU1.16.17 INSTITUTE OF INTERNATIONAL EDUCATION	UOU		553	
19	FULBRIGHT STUDENT PROGRAM	IIE0136 UTAH 1.1.18 INSTITUTE OF INTERNATIONAL EDUCATION	UOU		20,213	
				20,766		
19.009	UGRAD MARCH 2018	UGRAD PAKISTAN FY16-3062-01 INTL RESEARCH & EXCHANGES BOARD	UOU		77,060	
19.009	UGRAD SP19-FA19	UGRAD-PAKISTAN FY17 3073-01 INTL RESEARCH & EXCHANGES BOARD	UOU		114,574	
				191,634		
		Subtotal – State, Department of			212,400	
TRANSPORTATION, DEPARTMENT OF						
20	Department of Transportation	VARIOUS	UOU		1,396,191	10,400
				1,396,191		
20.106	Airport Improvement Program	VARIOUS	DOT		242,180	
				242,180		
20.200	Highway Research and Development Program	VARIOUS	DOT		36,750	
				36,750		
20.215	Highway Training and Education	VARIOUS	DOT		150,552	
				150,552		
20.218	Motor Carrier Safety Assistance	VARIOUS	DOT		2,706,344	
				2,706,344		
20.231	Performance and Registration Information Systems Management	VARIOUS	DOT		9,850	
				9,850		
20.232	Commercial Driver's License Program Improvement Grant	VARIOUS	DPS		5,706	
				5,706		
20.237	Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements	VARIOUS	DOT		440,891	
				440,891		
20.509	Formula Grants for Rural Areas	VARIOUS	DOT		4,931,969	2,078,158

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
				4,931,969		
20.528	Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant Program	VARIOUS	DOT		255,332	
				255,332		
20.614	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants	VARIOUS	DPS		110,644	
				110,644		
20.700	Pipeline Safety Program State Base Grant	VARIOUS	CRC		356,161	
				356,161		
20.703	Interagency Hazardous Materials Public Sector Training and Planning Grants	VARIOUS	DPS		306,431	37,311
				306,431		
		Subtotal – Transportation, Department of			10,949,001	2,125,869
TREASURY, DEPARTMENT OF THE						
21	Department of the Treasury	VARIOUS	AG		15,458	
				15,458		
21.008	Low Income Taxpayer Clinics	VARIOUS	UOU		74,277	
				74,277		
		Subtotal – Treasury, Department of the			89,735	
VETERANS AFFAIRS, DEPARTMENT OF						
64	Department of Veterans Affairs	VARIOUS	DSU		6,561	
64	Department of Veterans Affairs	VARIOUS	USU		45,501	
64	Department of Veterans Affairs	VARIOUS	DEQ		83,244	
64	Department of Veterans Affairs	VARIOUS	DVA		190,545	
64	Department of Veterans Affairs	VARIOUS	UOU		9,861,885	
				10,187,736		
64.012	Veterans Prescription Service	VARIOUS	DVA		238,402	
				238,402		
64.015	Veterans State Nursing Home Care	VARIOUS	DVA		35,580,911	
				35,580,911		
64.034	VA Assistance to United States Paralympic Integrated Adaptive Sports Program	VARIOUS	UOU		75,777	
				75,777		
64.101	Burial Expenses Allowance for Veterans	VARIOUS	DVA		330,369	
				330,369		
		Subtotal – Veterans Affairs, Department of			46,413,195	

State of Utah
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	Agency	Program Total	Expenditures	Provided to Subrecipients
OTHER PROGRAMS						
VIETNAM EDUCATION FOUNDATION						
85.802	Fellowship Program	VARIOUS	UOU		2,250	
				2,250		
		Subtotal – Vietnam Education Foundation			2,250	
		TOTAL FEDERAL EXPENDITURES			6,176,484,279	696,962,103

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SCHEDULE OF EXPENDITURES

OF FEDERAL AWARDS

By State Agency

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
ADMINISTRATIVE SERVICES, DEPARTMENT OF					
39.003	Donation of Federal Surplus Personal Property	VARIOUS		260,002	
89.003	National Historical Publications and Records Grants	VARIOUS		33,687	
		Subtotal – Administrative Services, Department Of		293,689	
AGRICULTURE AND FOOD, DEPARTMENT OF					
10.025	Plant and Animal Disease, Pest Control, and Animal Care	VARIOUS		541,894	
10.069	Conservation Reserve Program	VARIOUS		312,007	
10.162	Inspection Grading and Standardization	VARIOUS		204,169	
10.163	Market Protection and Promotion	VARIOUS		152,206	
10.170	Specialty Crop Block Grant Program - Farm Bill	VARIOUS		241,152	262,625
10.435	State Mediation Grants	VARIOUS		8,455	
10.475	Cooperative Agreements with States for Intrastate Meat and Poultry Inspection	VARIOUS		1,350,098	
10.703	Cooperative Fire Protection Agreement	VARIOUS		69,000	
10.902	Soil and Water Conservation	VARIOUS		8,548	
10.912	Environmental Quality Incentives Program	VARIOUS		13,480	
10.923	Emergency Watershed Protection Program	VARIOUS		-22,623	
10.924	Conservation Stewardship Program	VARIOUS		113,201	
15	Department of the Interior	VARIOUS		163,750	166,526
15.509	BOR/COLORADO RIVER BASIN SALINITY	R16AC0023		347,894	270,820
66.700	Consolidated Pesticide Enforcement Cooperative Agreements	VARIOUS		455,940	
93	Department of Health and Human Services	VARIOUS		8,961	
93.103	Food and Drug Administration_Research	VARIOUS		1,211,092	
93.449	Ruminant Feed Ban Support Project	VARIOUS		29,533	
		Subtotal – Agriculture And Food, Department Of		5,208,757	699,971
ATTORNEY GENERAL					
16	Department of Justice	VARIOUS		3,242	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
16	Western Regional Children's Advocacy Center Chapter Capacity Impact Stipend	Training Grant Western Regional Advocacy Center		15,000	
16.320	Services for Trafficking Victims	VARIOUS		320,052	
16.543	Missing Children's Assistance	VARIOUS		345,620	
16.758	OJJDP FY17 Victims of Child Abuse (VOCA) Children's Advocay Centers National Subgrants Program	2015-CI-FX-K001 National Children's Alliance		147,410	84,000
16.816	John R. Justice Prosecutors and Defenders Incentive Act	VARIOUS		73,053	
16.922	Equitable Sharing Program	VARIOUS		34,313	
21	Department of the Treasury	VARIOUS		15,458	
93.643	Children's Justice Grants to States	VARIOUS		209,998	
93.775	State Medicaid Fraud Control Units	VARIOUS		1,595,565	
			Subtotal – Attorney General	2,759,711	84,000
COMMERCE, DEPARTMENT OF					
20.700	Pipeline Safety Program State Base Grant	VARIOUS		356,161	
			Subtotal – Commerce, Department Of	356,161	
CORRECTIONS, DEPARTMENT OF					
16.606	State Criminal Alien Assistance Program	VARIOUS		415,281	
16.812	Second Chance Act Reentry Initiative	VARIOUS		190,321	
			Subtotal – Corrections, Department Of	605,602	
EDUCATION, UTAH STATE BOARD OF					
10.178	Trade Mitigation Program Eligible Recipient Agency Operational Funds	VARIOUS		130,000	130,000
10.534	CACFP Meal Service Training Grants	VARIOUS		18,179	
10.553	School Breakfast Program	VARIOUS		22,758,279	22,758,279
10.555	National School Lunch Program	In-kind Commodities		14,462,339	14,462,339
10.555	National School Lunch Program	VARIOUS		126,438,303	126,143,252
10.556	Special Milk Program for Children	VARIOUS		30,252	30,252
10.558	Child and Adult Care Food Program	VARIOUS		2,341,945	2,341,945
10.559	Summer Food Service Program for Children	VARIOUS		711,711	688,885

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
10.560	State Administrative Expenses for Child Nutrition	VARIOUS		2,440,974	
10.568	Emergency Food Assistance Program (Administrative Costs)	VARIOUS		1,577,501	1,577,501
10.569	Emergency Food Assistance Program (Food Commodities)	VARIOUS		2,653,839	2,653,839
10.579	Child Nutrition Discretionary Grants Limited Availability	VARIOUS		190,327	190,327
10.582	Fresh Fruit and Vegetable Program	VARIOUS		2,582,192	2,582,192
84	Department of Education	VARIOUS		192,136	
84.002	Adult Education - Basic Grants to States	VARIOUS		3,769,388	3,093,640
84.010	Title I Grants to Local Educational Agencies	VARIOUS		57,088,579	55,895,265
84.011	Migrant Education_State Grant Program	VARIOUS		1,152,030	952,324
84.013	Title I State Agency Program for Neglected and Delinquent Children and Youth	VARIOUS		925,435	720,183
84.027	Special Education_Grants to States	VARIOUS		78,694,249	71,813,312
84.048	Career and Technical Education -- Basic Grants to States	VARIOUS		11,110,970	9,791,415
84.144	Migrant Education_Coordination Program	VARIOUS		78,206	
84.173	Special Education_Preschool Grants	VARIOUS		2,669,888	2,669,888
84.196	Education for Homeless Children and Youth	VARIOUS		313,976	217,590
84.206	Javits Gifted and Talented Students Education	VARIOUS		26,396	
84.287	Twenty-First Century Community Learning Centers	VARIOUS		5,225,138	4,875,860
84.323	Special Education - State Personnel Development	VARIOUS		741,428	341,125
84.325	CEEDAR	H325A120003 University of Florida		1,705	1,705
84.326	Special Education_Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	VARIOUS		98,845	
84.358	Rural Education	VARIOUS		179,480	174,337
84.365	English Language Acquisition State Grants	VARIOUS		2,966,870	2,798,780
84.366	Mathematics and Science Partnerships	VARIOUS		201,210	199,796
84.367	Supporting Effective Instruction State Grants	VARIOUS		10,572,465	10,236,960
84.369	Grants for State Assessments and Related Activities	VARIOUS		4,956,869	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
84.372	Statewide Longitudinal Data Systems	VARIOUS		1,246,372	
84.377	School Improvement Grants	VARIOUS		1,299,330	1,246,248
84.424	Student Support and Academic Enrichment Program	VARIOUS		1,579,926	1,538,905
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS		354,701	146,219
		Subtotal – Education, Utah State Board Of		361,781,433	340,272,363
ENVIRONMENTAL QUALITY, DEPARTMENT OF					
12.113	State Memorandum of Agreement Program for the Reimbursement of Technical Services	VARIOUS		635,798	
12.630	ECOS	ITRC-16-UT Environmental Council of States		5,000	
15.236	Environmental Quality and Protection Resource Management	VARIOUS		84,415	
15.503	B.O.R. - Olsen Neihart	09PG490017		513	
64	Department of Veterans Affairs	VARIOUS		83,244	
66.034	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act	VARIOUS		582,940	
66.039	National Clean Diesel Emissions Reduction Program	VARIOUS		1,521,927	681,026
66.040	State Clean Diesel Grant Program	VARIOUS		211,475	
66.202	Congressionally Mandated Projects	VARIOUS		6,451,393	364,553
66.419	Water Pollution Control State, Interstate, and Tribal Program Support	VARIOUS		732,609	
66.454	Water Quality Management Planning	VARIOUS		102,555	
66.458	Capitalization Grants for Clean Water State Revolving Funds	VARIOUS		2,487,078	2,235,800
66.460	Nonpoint Source Implementation Grants	VARIOUS		1,085,247	192,309
66.461	Regional Wetland Program Development Grants	VARIOUS		110,927	
66.468	Capitalization Grants for Drinking Water State Revolving Funds	VARIOUS		8,567,155	5,821,600
66.605	Performance Partnership Grants	VARIOUS		6,104,161	106,968
66.608	Environmental Information Exchange Network Grant Program and Related Assistance	VARIOUS		177,669	
66.802	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements	VARIOUS		1,154,097	
66.804	Underground Storage Tank Prevention, Detection and Compliance Program	VARIOUS		329,332	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
66.805	Leaking Underground Storage Tank Trust Fund Corrective Action Program	VARIOUS		672,846	
66.813	ECOS	ITRC-16-UT Environmental Council of States		5,000	
66.817	State and Tribal Response Program Grants	VARIOUS		442,834	
81.104	Environmental Remediation and Waste Processing and Disposal	VARIOUS		1,701	
81.106	Waste Isolation Pilot Plant	30-312-08 WIPP Western Governor's Association		113,062	
81.136	Long-Term Surveillance and Maintenance	VARIOUS		12,481	
81.502	ECOS	ITRC-16-UT Environmental Council of States		5,000	
		Subtotal – Environmental Quality, Department Of		31,680,459	9,402,256
GOVERNOR'S OFFICE					
16.017	Sexual Assault Services Formula Program	VARIOUS		377,701	360,061
16.540	Juvenile Justice and Delinquency Prevention_Allocation to States	VARIOUS		414,794	172,418
16.550	State Justice Statistics Program for Statistical Analysis Centers	VARIOUS		273,203	260,171
16.575	Crime Victim Assistance	VARIOUS		18,621,030	17,139,884
16.576	Crime Victim Compensation	VARIOUS		2,774,223	
16.582	Crime Victim Assistance/Discretionary Grants	VARIOUS		127,044	
16.588	Violence Against Women Formula Grants	VARIOUS		1,383,385	1,175,290
16.593	Residential Substance Abuse Treatment for State Prisoners	VARIOUS		138,918	132,874
16.738	Edward Byrne Memorial Justice Assistance Grant Program	VARIOUS		654,274	566,023
16.751	Edward Byrne Memorial Competitive Grant Program	VARIOUS		76,064	76,064
16.813	NICS Act Record Improvement Program	VARIOUS		682,500	682,500
16.833	National Sexual Assault Kit Initiative	VARIOUS		985,894	871,986
81.041	State Energy Program	VARIOUS		1,666,207	
90.401	Help America Vote Act Requirements Payments	VARIOUS		233,523	233,523
		Subtotal – Governor's Office		28,408,760	21,670,794
GOVERNOR'S OFFICE OF ECONOMIC DEVELOPMENT					
12.002	Procurement Technical Assistance For Business Firms	VARIOUS		407,285	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
47.076	Education and Human Resources	VARIOUS	R&D	70,675	
		Subtotal – Governor's Office Of Economic Development		477,960	
GOVERNOR'S OFFICE OF ENERGY					
12.610	Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies	VARIOUS		377,136	377,136
81.041	State Energy Program	VARIOUS		576,514	173,525
81.119	State Energy Program Special Projects	VARIOUS		59,975	53,029
		Subtotal – Governor's Office Of Energy		1,013,625	603,690
HEALTH, DEPARTMENT OF					
10.557	Special Supplemental Nutrition Program for Women, Infants, and Children	VARIOUS		34,587,761	32,265,267
10.565	Commodity Supplemental Food Program	VARIOUS		203,740	
10.578	WIC Grants to States (WGS)	VARIOUS		2,457,881	77,349
16.754	Harold Rogers Prescription Drug Monitoring Program	VARIOUS		38,593	
84.181	Special Education-Grants for Infants and Families	VARIOUS		5,726,300	4,841,422
93	Department of Health and Human Services	VARIOUS		174,018	
93.065	Laboratory Leadership, Workforce Training and Management Development, Improving Public Health Laboratory Infrastructure	VARIOUS		261,900	
93.068	Chronic Diseases: Research, Control, and Prevention	VARIOUS		128,847	
93.069	Public Health Emergency Preparedness	VARIOUS		6,793,782	4,479,315
93.070	Environmental Public Health and Emergency Response	VARIOUS		2,278,643	9,141
93.073	Birth Defects and Developmental Disabilities - Prevention and Surveillance	VARIOUS		317,535	
93.074	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	VARIOUS		2,429,730	1,626,970
93.079	Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance	VARIOUS		95,160	
93.092	Affordable Care Act (ACA) Personal Responsibility Education Program	VARIOUS		664,532	524,026
93.110	Maternal and Child Health Federal Consolidated Programs	VARIOUS		508,035	134,199
93.116	Project Grants and Cooperative Agreements for Tuberculosis Control Programs	VARIOUS		354,872	192,481
93.127	Emergency Medical Services for Children	VARIOUS		105,723	45,075

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
93.130	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices	VARIOUS		164,346	
93.136	Injury Prevention and Control Research and State and Community Based Programs	VARIOUS		4,551,253	686,327
93.184	Disabilities Prevention	VARIOUS		156,704	
93.234	Traumatic Brain Injury State Demonstration Grant Program	VARIOUS		86,632	
93.235	Affordable Care Act (ACA) Abstinence Education Program	VARIOUS		424,687	376,344
93.240	State Capacity Building	VARIOUS		195,815	
93.241	State Rural Hospital Flexibility Program	VARIOUS		485,983	212,545
93.251	Universal Newborn Hearing Screening	VARIOUS		273,792	10,824
93.268	Immunization Cooperative Agreements	VARIOUS		29,369,038	27,279,324
93.270	Adult Viral Hepatitis Prevention and Control	VARIOUS		116,192	
93.283	Centers for Disease Control and Prevention_Investigations and Technical Assistance	VARIOUS		575,583	128,919
93.296	State Partnership Grant Program to Improve Minority Health	VARIOUS		181,156	32,550
93.301	Small Rural Hospital Improvement Grant Program	VARIOUS		238,670	206,925
93.305	National State Based Tobacco Control Programs	VARIOUS		962,889	529,527
93.314	Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program	VARIOUS		147,304	
93.323	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	VARIOUS		3,633,942	298,497
93.336	Behavioral Risk Factor Surveillance System	VARIOUS		332,371	
93.354	Public Health Emergency Response: Cooperative Agreement for Emergency Response: Public Health Crisis Response	VARIOUS		1,633,993	412,938
93.435	Innovative State and Local Public Health Strategies to prevent and Manage Diabetes and Heart Disease and Stroke-	VARIOUS		1,075,799	777,620
93.436	WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION (WISEWOMAN)	VARIOUS		1,234,545	553,231
93.439	State Physical Activity and Nutrition (SPAN	VARIOUS		597,097	160,654
93.511	Affordable Care Act (ACA) Grants to States for Health Insurance Premium Review	VARIOUS		89,659	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
93.521	The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements;PPHF	VARIOUS		178,086	17,680
93.576	Refugee and Entrant Assistance_Discretionary Grants	VARIOUS		74,849	74,868
93.734	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs – financed by Prevention and Public Health Funds (PPHF)	VARIOUS		406,675	750
93.735	State Public Health Approaches for Ensuring Quitline Capacity – Funded in part by Prevention and Public Health Funds (PPHF)	VARIOUS		69,918	
93.757	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	VARIOUS		3,211,057	933,345
93.761	Evidence-Based Falls Prevention Programs Financed Solely by Prevention and Public Health Funds (PPHF)	VARIOUS		189,409	46,594
93.767	Children's Health Insurance Program	VARIOUS		128,247,634	479,821
93.777	State Survey and Certification of Health Care Providers and Suppliers (Title XVIII) Medicare	VARIOUS		3,832,608	
93.778	Medical Assistance Program	VARIOUS		1,950,632,392	28,299,591
93.815	Domestic Ebola Supplement to the Epidemiology and Laboratory Capacity for Infectious Diseases (ELC).	VARIOUS		424,640	
93.817	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities	VARIOUS		67,047	67,041
93.870	Maternal, Infant and Early Childhood Home Visiting Grant Program	VARIOUS		2,026,246	1,662,135
93.898	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations	VARIOUS		2,865,581	220,989
93.913	Grants to States for Operation of State Offices of Rural Health	VARIOUS		171,878	
93.917	HIV Care Formula Grants	VARIOUS		7,262,691	
93.940	HIV Prevention Activities_Health Department Based	VARIOUS		1,185,631	346,464
93.945	Assistance Programs for Chronic Disease Prevention and Control	VARIOUS		264,776	8,582
93.946	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs	VARIOUS		249,142	
93.977	Preventive Health Services_Sexually Transmitted Diseases Control Grants	VARIOUS		753,964	243,273
93.991	Preventive Health and Health Services Block Grant	VARIOUS		1,651,685	1,268,228
93.994	Maternal and Child Health Services Block Grant to the States	VARIOUS		6,924,269	1,873,818

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
		Subtotal – Health, Department Of		2,214,344,680	111,404,649
HERITAGE AND ARTS, DEPARTMENT OF					
15.224	Cultural and Paleontological Resources Management	VARIOUS		132,400	45,427
15.511	BOR Data Sharing	R16AC00094		5,015	
15.904	Historic Preservation Fund Grants-In-Aid	VARIOUS		774,716	144,899
45	Federal Council on the Arts and the Humanities	VARIOUS		836,126	
45.025	Promotion of the Arts_Partnership Agreements	VARIOUS		878,828	813,379
45.310	Grants to States	VARIOUS		2,199,762	697,078
94.003	State Commissions	VARIOUS		183,024	5,000
94.006	AmeriCorps	VARIOUS		3,307,365	3,266,701
94.009	Training and Technical Assistance	VARIOUS		300,568	13,946
94.021	Volunteer Generation Fund	VARIOUS		38,573	
		Subtotal – Heritage And Arts, Department Of		8,656,377	4,986,430
HUMAN SERVICES, DEPARTMENT OF					
16.529	Education, Training, and Enhanced Services to End Violence Against and Abuse of Women with Disabilities	VARIOUS		37,606	1,774
16.582	Innovative Remedies to Reduce Elder Abuse and Financial Exploitation	2017-VF-GX-K141 Utah Legal Services Inc		40,262	40,262
16.585	Drug Court Discretionary Grant Program	VARIOUS		448,991	374,321
16.812	Second Chance Act Reentry Initiative	VARIOUS		360,259	
17.235	Senior Community Service Employment Program	VARIOUS		474,047	435,547
93.041	Special Programs for the Aging_Title VII, Chapter 3_Programs for Prevention of Elder Abuse, Neglect, and Exploitation	VARIOUS		28,267	28,267
93.042	Special Programs for the Aging_Title VII, Chapter 2_Long Term Care Ombudsman Services for Older Individuals	VARIOUS		102,902	77,228
93.043	Special Programs for the Aging_Title III, Part D_Disease Prevention and Health Promotion Services	VARIOUS		134,081	134,081
93.044	Special Programs for the Aging_Title III, Part B_Grants for Supportive Services and Senior Centers	VARIOUS		2,436,079	2,345,269
93.045	Special Programs for the Aging_Title III, Part C_Nutrition Services	VARIOUS		4,700,980	4,238,929

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
93.048	Special Programs for the Aging_Title IV_and Title II_Discretionary Projects	VARIOUS		284,837	248,826
93.052	National Family Caregiver Support, Title III, Part E	VARIOUS		969,113	969,113
93.053	Nutrition Services Incentive Program	VARIOUS		1,400,001	1,400,001
93.071	Medicare Enrollment Assistance Program	VARIOUS		135,000	135,000
93.104	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)	VARIOUS		681,713	
93.150	Projects for Assistance in Transition from Homelessness (PATH)	VARIOUS		587,691	
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS		5,458,567	2,917,784
93.324	State Health Insurance Assistance Program	VARIOUS		432,874	305,440
93.556	Promoting Safe and Stable Families	VARIOUS		2,027,736	150,000
93.563	Child Support Enforcement	VARIOUS		20,006,385	
93.590	Community-Based Child Abuse Prevention Grants	VARIOUS		353,975	
93.599	Chafee Education and Training Vouchers Program (ETV)	VARIOUS		220,419	
93.603	Adoption and Legal Guardianship Incentive Payments	VARIOUS		775,706	
93.630	Developmental Disabilities Basic Support and Advocacy Grants	VARIOUS		710,329	10,078
93.631	Developmental Disabilities Projects of National Significance	VARIOUS		286,652	
93.645	Stephanie Tubbs Jones Child Welfare Services Program	VARIOUS		3,846,700	
93.658	Foster Care_Title IV-E	VARIOUS		34,480,368	
93.659	Adoption Assistance	VARIOUS		11,562,916	
93.667	Social Services Block Grant	VARIOUS		24,324,569	2,170,869
93.669	Child Abuse and Neglect State Grants	VARIOUS		457,496	
93.671	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services	VARIOUS		1,268,745	
93.674	Chafee Foster Care Independence Program	VARIOUS		831,835	
93.732	Mental and Behavioral Health Education and Training Grants	VARIOUS		279,523	
93.788	Opioid STR	VARIOUS		7,966,844	5,462,410
93.958	Block Grants for Community Mental Health Services	VARIOUS		4,688,390	3,372,864

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
93.959	Block Grants for Prevention and Treatment of Substance Abuse	VARIOUS		16,959,175	14,514,961
93.997	Assisted Outpatient Treatment	VARIOUS		776,643	633,866
		Subtotal – Human Services, Department Of		150,537,676	39,966,890
INSURANCE, DEPARTMENT OF					
16	Department of Justice	VARIOUS		-39	
93.511	Affordable Care Act (ACA) Grants to States for Health Insurance Premium Review	VARIOUS		50,815	
93.881	The Health Insurance Enforcement and Consumer Protections Grant Program	VARIOUS		40,481	
		Subtotal – Insurance, Department Of		91,257	
JUDICIAL BRANCH					
93.586	State Court Improvement Program	VARIOUS		504,066	
93.597	Grants to States for Access and Visitation Programs	VARIOUS		100,000	
		Subtotal – Judicial Branch		604,066	
LABOR COMMISSION					
14.401	Fair Housing Assistance Program_State and Local	VARIOUS		274,800	
17.005	Compensation and Working Conditions	VARIOUS		96,793	
17.503	Occupational Safety and Health_State Program	VARIOUS		1,528,800	
17.504	Consultation Agreements	VARIOUS		659,973	
30.001	Employment Discrimination_Title VII of the Civil Rights Act of 1964	VARIOUS		363,178	
		Subtotal – Labor Commission		2,923,544	
NATURAL RESOURCES, DEPARTMENT OF					
10	Department of Agriculture	VARIOUS		232,142	
10.664	Cooperative Forestry Assistance	VARIOUS		4,702,531	210,752
10.676	Forest Legacy Program	VARIOUS		67,187	
10.680	Forest Health Protection	VARIOUS		235,223	
10.691	Good Neighbor Authority	VARIOUS		195,184	
10.699	Partnership Agreements	VARIOUS		7,531	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
10.902	Soil and Water Conservation	VARIOUS		630,508	
10.914	Wildlife Habitat Incentive Program	VARIOUS		70,602	
10.916	Watershed Rehabilitation Program	VARIOUS		1,580,647	
10.932	Regional Conservation Partnership Program	VARIOUS		776,604	
12.615	Research and Technical Assistance	VARIOUS		19,175	
15	Department of the Interior	VARIOUS		33,329	
15.224	Cultural and Paleontological Resources Management	VARIOUS		115,948	
15.225	Recreation Resource Management	VARIOUS		27,155	
15.228	BLM Wildland Urban Interface Community Fire Assistance	VARIOUS		14,964	
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS		11,122,477	
15.236	Environmental Quality and Protection Resource Management	VARIOUS		230,624	
15.238	Challenge Cost Share	VARIOUS		53,401	
15.250	Regulation of Surface Coal Mining and Surface Effects of Underground Coal Mining	VARIOUS		1,884,368	
15.252	Abandoned Mine Land Reclamation (AMLR)	VARIOUS		4,078,833	
15.504	Diamond Fork Mitiagation Project	11-FC-UT-1810		13,771	
15.504	Native Cutthroat Trout conservation	15FC-UT-2070		14,624	
15.504	Provo River Restoration PRRP	10-FC-UT-1670		57,818	
15.504	Admin and Management	10-FC-UT-1660		86,893	
15.504	Utah Lake Wetland Preserve/Juab Co	10-FC-UT-1650		278,582	
15.517	Native Species Conservation	VARIOUS		330,866	
15.524	BOR Echo	R18AP00051		154,185	
15.529	San Juan Non-native Lower San Juan	R13AC40007		1,253	
15.529	San Juan Non-native Lower San Juan	R18AC00053		31,191	
15.529	Razor Back Sucker	R16AP00164		248,292	
15.529	Upper Colorado River Recovery	R14AP00007		1,126,669	
15.535	Upper Colorado River Basin Fish and Wildlife Mitigation	VARIOUS		184,983	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
15.605	Sport Fish Restoration	VARIOUS		7,296,759	
15.608	Fish and Wildlife Management Assistance	VARIOUS		215,380	
15.611	Wildlife Restoration and Basic Hunter Education	VARIOUS		10,911,901	
15.615	Cooperative Endangered Species Conservation Fund	VARIOUS		51,750	
15.628	Multistate Conservation Grant	VARIOUS		24,000	
15.634	State Wildlife Grants	VARIOUS		732,359	
15.642	Challenge Cost Share	VARIOUS		1,135	
15.652	Invasive Species	VARIOUS		18,955	
15.655	Migratory Bird Monitoring, Assessment and Conservation	VARIOUS		33,311	
15.657	Endangered Species Conservation Recovery Implementation Funds	VARIOUS		22,676	
15.670	Adaptive Science	VARIOUS		231,840	
15.807	Earthquake Hazards Reduction Program	VARIOUS		56,133	
15.808	U.S. Geological Survey_ Research and Data Collection	VARIOUS		12,040	
15.810	National Cooperative Geologic Mapping	VARIOUS		145,354	
15.814	National Geological and Geophysical Data Preservation	VARIOUS		61,802	
15.916	Outdoor Recreation_Acquisition, Development and Planning	VARIOUS		66,000	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS		5,300	
15.954	National Park Service Conservation, Protection, Outreach, and Education	VARIOUS		21,685	
15.980	National Ground-Water Monitoring Network	VARIOUS		23,407	
20.219	Recreational Trails Program	VARIOUS		1,077,759	973,657
66.433	State Underground Water Source Protection	VARIOUS		83,000	
66.461	Regional Wetland Program Development Grants	VARIOUS		207,346	
66.608	Environmental Information Exchange Network Grant Program and Related Assistance	VARIOUS		117,560	
66.802	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements	VARIOUS		14,835	
81.136	Long-Term Surveillance and Maintenance	VARIOUS		67,593	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
97.012	Boating Safety Financial Assistance	VARIOUS		1,292,241	
97.041	National Dam Safety Program	VARIOUS		147,414	
		Subtotal – Natural Resources, Department Of		51,547,095	1,184,409
PUBLIC SAFETY, DEPARTMENT OF					
16	Department of Justice	VARIOUS		4,944	3,744
16	District Attorney, NYC/Sexual Assault Backlog Elimination Program	5DA02-30-01 District Attorney, New York City		163,185	
16.734	Special Data Collections and Statistical Studies	VARIOUS		11,134	
16.741	DNA Backlog Reduction Program	VARIOUS		560,353	
16.742	Paul Coverdell Forensic Sciences Improvement Grant Program	VARIOUS		230,159	38,348
16.922	Equitable Sharing Program	VARIOUS		60,474	36,169
20.232	Commercial Driver's License Program Improvement Grant	VARIOUS		5,706	
20.600	State and Community Highway Safety	VARIOUS		2,034,163	732,480
20.614	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants	VARIOUS		110,644	
20.616	National Priority Safety Programs	VARIOUS		2,012,099	550,407
20.703	Interagency Hazardous Materials Public Sector Training and Planning Grants	VARIOUS		306,431	37,311
95.001	High Intensity Drug Trafficking Areas Program	VARIOUS		671,657	301,015
97	Department of Homeland Security	VARIOUS		65,275	99,603
97.008	Non-Profit Security Program	VARIOUS		4,046	4,046
97.023	Community Assistance Program State Support Services Element (CAP-SSSE)	VARIOUS		295,956	
97.036	Disaster Grants - Public Assistance (Presidentially Declared Disasters)	VARIOUS		1,172,370	1,172,370
97.039	Hazard Mitigation Grant	VARIOUS		1,064,814	1,044,996
97.042	Emergency Management Performance Grants	VARIOUS		4,378,938	1,834,343
97.045	Cooperating Technical Partners	VARIOUS		1,757,486	
97.046	Fire Management Assistance Grant	VARIOUS		1,059,867	1,059,867
97.047	Pre-Disaster Mitigation	VARIOUS		2,631,769	2,388,332
97.067	Homeland Security Grant Program	VARIOUS		3,730,682	3,357,423

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
97.082	Earthquake Consortium	VARIOUS		36,426	20,662
		Subtotal – Public Safety, Department Of		22,368,578	12,681,116
REGENTS, STATE BOARD OF					
84.367	Supporting Effective Instruction State Grants	VARIOUS		260,374	
		Subtotal – Regents, State Board Of		260,374	
STUDENT ASSISTANCE PROGRAMS					
84.032	STUDENT LOAN PURCHASE PROGRAM, NET	VARIOUS		-4,796,782	
84.032	Federal Family Education Loans Reinsurance - Guarantees Made	VARIOUS		13,117,052	
84.032	Federal Family Education Loans Reinsurance - Beginning Guarantee Amount	VARIOUS		761,675,582	
		Subtotal – Student Assistance Programs		769,995,852	
TAX COMMISSION					
15.427	Federal Oil and Gas Royalty Management State and Tribal Coordination	VARIOUS		521,125	
		Subtotal – Tax Commission		521,125	
TECHNOLOGY SERVICES, DEPARTMENT OF					
15.817	National Geospatial Program: Building The National Map	VARIOUS		654,395	
		Subtotal – Technology Services, Department Of		654,395	
TRANSPORTATION, DEPARTMENT OF					
15.033	DOI,BIA	1544001 Duchesne County		-320	
20.106	Airport Improvement Program	VARIOUS		242,180	
20.200	Highway Research and Development Program	VARIOUS		36,750	
20.200	Highway Research and Development Program	VARIOUS	R&D	189,321	
20.205	Highway Planning and Construction	VARIOUS	R&D	7,814,861	97,605
20.205	Highway Planning and Construction	VARIOUS		367,252,297	7,946,830
20.215	Highway Training and Education	VARIOUS		150,552	
20.218	Motor Carrier Safety Assistance	VARIOUS		2,706,344	
20.231	Performance and Registration Information Systems Management	VARIOUS		9,850	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
20.237	Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements	VARIOUS		440,891	
20.509	Formula Grants for Rural Areas	VARIOUS		4,931,969	2,078,158
20.513	Enhanced Mobility of Seniors and Individuals with Disabilities	VARIOUS		385,482	246,893
20.516	Job Access and Reverse Commute Program	VARIOUS		130,248	130,248
20.521	New Freedom Program	VARIOUS		136,129	136,129
20.526	Bus and Bus Facilities Formula Program	VARIOUS		1,691,416	
20.528	Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant Program	VARIOUS		255,332	
		Subtotal – Transportation, Department Of		386,373,302	10,635,863
UTAH NATIONAL GUARD					
12.400	Military Construction, National Guard	VARIOUS		22,636,637	
12.401	National Guard Military Operations and Maintenance (O&M) Projects	VARIOUS		40,944,847	
16	Department of Justice	VARIOUS		6,234,372	
		Subtotal – Utah National Guard		69,815,856	
VETERANS' AND MILITARY AFFAIRS, DEPARTMENT OF					
64	Department of Veterans Affairs	VARIOUS		190,545	
64.012	Veterans Prescription Service	VARIOUS		238,402	
64.015	Veterans State Nursing Home Care	VARIOUS		35,580,911	
64.101	Burial Expenses Allowance for Veterans	VARIOUS		330,369	
		Subtotal – Veterans' And Military Affairs, Department Of		36,340,227	
WORKFORCE SERVICES, DEPARTMENT OF					
10	Department of Agriculture	VARIOUS		184,604	
10.433	Rural Housing Preservation Grants	VARIOUS		2,000,312	
10.447	Rural Development Loans- Loans Made	VARIOUS		50,000	
10.447	Rural Development Loans- Beginning Loan Balance	VARIOUS		3,624,853	
10.535	SNAP Recipient Integrity Education Grant	VARIOUS		31,148	
10.551	Supplemental Nutrition Assistance Program	VARIOUS		239,723,636	

State of Utah
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For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
10.561	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	VARIOUS		17,903,421	
14.228	Community Development Block Grants/State's Program and Non-Entitlement Grants in Hawaii	VARIOUS		5,471,276	5,161,618
14.230	Rental Housing Rehabilitation	VARIOUS		223,066	
14.231	Emergency Solutions Grant Program	VARIOUS		1,197,067	1,017,605
14.239	HOME INVESTMENT PARTNERSHIP	VARIOUS		656,100	
14.239	HOME Investment Partnerships Program Loans - Loans Made	VARIOUS		4,760,803	
14.239	Program Income - HOME INVESTMENT PARTNERSHIP	PROGRAM INCOME		5,221,566	1,407,840
14.239	HOME Investment Partnerships Program Loans - Beginning Loan Balance	VARIOUS		72,680,364	
14.241	Housing Opportunities for Persons with AIDS	VARIOUS		152,580	146,641
14.267	Continuum of Care Program	VARIOUS		402,420	
14.275	Housing Trust Fund	VARIOUS		282,466	
14.275	Housing Trust Fund Loans - Beginning Loan Balance	VARIOUS		1,000,000	
14.275	Housing Trust Fund Loans - Loans Made	VARIOUS		1,350,000	
17.002	Labor Force Statistics	VARIOUS		1,087,599	
17.207	Employment Service/Wagner-Peyser Funded Activities	VARIOUS		6,827,011	
17.225	Unemployment Insurance	VARIOUS		27,725,104	
17.225	STATE FUNDED UNEMPLOYMENT EXPENDITURES UI	VARIOUS		152,196,569	
17.245	Trade Adjustment Assistance	VARIOUS		957,753	
17.258	WIOA Adult Program	VARIOUS		3,990,115	
17.259	WIOA Youth Activities	VARIOUS		3,098,121	
17.271	Work Opportunity Tax Credit Program (WOTC)	VARIOUS		156,505	
17.273	Temporary Labor Certification for Foreign Workers	VARIOUS		52,991	
17.278	WIOA Dislocated Worker Formula Grants	VARIOUS		3,326,612	
17.285	Apprenticeship USA Grants	VARIOUS		54,787	
17.801	Disabled Veterans' Outreach Program (DVOP)	VARIOUS		1,010,250	
17.804	Local Veterans' Employment Representative Program	VARIOUS		182,538	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
81.042	Weatherization Assistance for Low-Income Persons	VARIOUS		2,308,745	2,068,140
84.126	Rehabilitation Services_Vocational Rehabilitation Grants to States	VARIOUS		24,829,191	1,100,109
84.177	Rehabilitation Services_Independent Living Services for Older Individuals Who are Blind	VARIOUS		224,602	224,602
84.187	Supported Employment Services for Individuals with the Most Significant Disabilities	VARIOUS		368,948	
84.418	Promoting Readiness of Minors in Supplemental Security Income	VARIOUS		6,852,466	3,744,837
93.369	ACL Independent Living State Grants	VARIOUS		321,181	321,181
93.434	Every Student Succeeds Act/Preschool Development Grants	VARIOUS		106,213	
93.558	Temporary Assistance for Needy Families	VARIOUS		56,005,643	6,833,593
93.566	Refugee and Entrant Assistance_State Administered Programs	VARIOUS		5,731,049	3,532,563
93.568	Low-Income Home Energy Assistance	VARIOUS		25,006,941	24,081,222
93.569	Community Services Block Grant	VARIOUS		3,513,352	3,332,370
93.575	Child Care and Development Block Grant	VARIOUS		47,110,852	1,608,274
93.584	Refugee and Entrant Assistance_Targeted Assistance Grants	VARIOUS		203,940	32,066
93.596	Child Care Mandatory and Matching Funds of the Child Care and Development Fund	VARIOUS		35,415,398	1,065,153
93.600	Head Start	VARIOUS		144,487	
93.667	Social Services Block Grant	VARIOUS		15,000	
94.013	Volunteers in Service to America	VARIOUS		8,764	
96	Social Security Administration	VARIOUS		2,709,741	127,593
96.001	Social Security_Disability Insurance	VARIOUS		14,249,628	
96.008	Social Security - Work Incentives Planning and Assistance Program	VARIOUS		110,000	
97.024	Emergency Food and Shelter National Board Program	VARIOUS		9,692	
		Subtotal – Workforce Services, Department Of		782,827,470	55,805,407

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
PRIMARY GOVERNMENT					
		Subtotal – Primary Government		4,930,448,031	609,397,838

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
BRIDGERLAND TECHNICAL COLLEGE					
47.076	Education and Human Resources	VARIOUS	R&D	86,064	
84.063	Federal Pell Grant Program	VARIOUS		1,020,598	
		Subtotal – Bridgerland Technical College		1,106,662	
COLLEGE AND UNIVERSITY					
84.038	Perkins Loan Program - Beginning Loan Balance	VARIOUS		40,488,438	
84.268	Federal Direct Student Loans	VARIOUS		337,540,183	
93.264	Nurse Faculty Loan Program (NFLP) - Loans Made	VARIOUS		168,146	
93.264	Nurse Faculty Loan Program (NFLP) - Beginning Loan Balance	VARIOUS		595,297	
93.342	Health Professions Student Loans - Loans Made	VARIOUS		928,500	
93.342	Health Professions Student Loans - Beginning Loan Balance	VARIOUS		3,187,459	
93.364	Nursing Student Loans - Loans Made	VARIOUS		192,662	
93.364	Nursing Student Loans - Beginning Loan Balance	VARIOUS		438,761	
		Subtotal – College And University		383,539,446	
DAVIS TECHNICAL COLLEGE					
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		40,396	
84.033	Federal Work-Study Program	VARIOUS		11,539	
84.063	Federal Pell Grant Program	VARIOUS		950,940	
		Subtotal – Davis Technical College		1,002,875	
DIXIE STATE UNIVERSITY					
11.303	Economic Development_Technical Assistance	VARIOUS		8,985	
11.307	Economic Adjustment Assistance	VARIOUS		210,460	
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS	R&D	450	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS		140,040	
43	Aerospace - Daily Atmospheric Ionospheric Limb Imager (DAILI) Mission	DAILI Mission Aerospace Corporation	R&D	648	
43.001	Science	VARIOUS	R&D	39,832	12,000
47	National Science Foundation	VARIOUS	R&D	1,674	
47.076	Education and Human Resources	VARIOUS	R&D	6,254	
64	Department of Veterans Affairs	VARIOUS		6,561	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		219,743	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
DIXIE STATE UNIVERSITY					
84.033	Federal Work-Study Program	VARIOUS		264,725	
84.042	TRIO_Student Support Services	VARIOUS		321,916	
84.044	TRIO_Talent Search	VARIOUS		465,066	
84.047	TRIO_Upward Bound	VARIOUS		396,701	
84.063	Federal Pell Grant Program	VARIOUS		14,927,876	
			Subtotal – Dixie State University	17,010,931	12,000
DIXIE TECHNICAL COLLEGE					
84.063	Federal Pell Grant Program	VARIOUS		639,739	
			Subtotal – Dixie Technical College	639,739	
MOUNTAINLAND TECHNICAL COLLEGE					
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		5,976	
84.063	Federal Pell Grant Program	VARIOUS		927,759	
			Subtotal – Mountainland Technical College	933,735	
OGDEN-WEBER TECHNICAL COLLEGE					
17.274	Youthbuild	VARIOUS		573,514	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		67,438	
84.033	Federal Work-Study Program	VARIOUS		49,809	
84.063	Federal Pell Grant Program	VARIOUS		1,198,777	
94.006	YOUTH BUILD AMERICORP	13NDHMA0010101 YOUTH BUILD USA		109,785	
			Subtotal – Ogden-weber Technical College	1,999,323	
SALT LAKE COMMUNITY COLLEGE					
17.282	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants	VARIOUS		168,245	
45.163	Promotion of the Humanities_Professional Development	VARIOUS		82,148	
47.050	Geosciences	VARIOUS	R&D	93,820	
47.076	NSF Nano Tech Professional Development	VARIOUS Pennsylvania State University	R&D	1,913	
47.076	Education and Human Resources	VARIOUS	R&D	315,774	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		585,662	
84.031	Higher Education_Institutional Aid	VARIOUS		432,713	
84.033	Federal Work-Study Program	VARIOUS		312,771	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
SALT LAKE COMMUNITY COLLEGE					
84.042	TRIO_Student Support Services	VARIOUS		577,300	
84.044	TRIO_Talent Search	VARIOUS		321,995	
84.063	Federal Pell Grant Program	VARIOUS		25,981,708	
84.335	Child Care Access Means Parents in School	VARIOUS		101,060	
94.007	Program Development and Innovation Grants	VARIOUS		194,264	
		Subtotal – Salt Lake Community College		29,169,373	
SNOW COLLEGE					
10.319	Farm Business Management Benchmarking Collaboration	25-6324-0163-005 University of Nebraska-Lincoln		46,610	
10.500	Risk Management Education (#8)	108815-G003708 Washington State University		3,632	
10.500	Risk Management Education (#9)	108815 G003868 Washington State University		31,198	
10.855	Distance Learning and Telemedicine Loans and Grants	VARIOUS		104,335	
47.076	Education and Human Resources	VARIOUS	R&D	21,874	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		147,277	
84.033	Federal Work-Study Program	VARIOUS		95,441	
84.042	TRIO_Student Support Services	VARIOUS		391,903	
84.047	TRIO_Upward Bound	VARIOUS		328,675	
84.063	Federal Pell Grant Program	VARIOUS		7,273,768	
		Subtotal – Snow College		8,444,713	
SOUTHERN UTAH UNIVERSITY					
10	Department of Agriculture	VARIOUS		594,837	
10.318	Women and Minorities in Science, Technology, Engineering, and Mathematics Fields	VARIOUS		8,584	
10.558	Child and Adult Care Food Program	VARIOUS		199,895	
10.652	Forestry Research	VARIOUS		95,488	
10.664	Cooperative Forestry Assistance	VARIOUS		53,839	
10.675	Urban and Community Forestry Program	VARIOUS		663,923	
11.999	Pride in our Seas, Pride in Ourselves	NA16NOS9990133 Univ of the Virgin Islands		905	
12.631	Science, Technology, Engineering and Mathematics (STEM) Educational Program: Science, Mathematics And Research for Transformation (SMART)	VARIOUS	R&D	162	
15	Department of the Interior	VARIOUS		4,514	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
SOUTHERN UTAH UNIVERSITY					
15.159	Cultural Resources Management	VARIOUS		21,056	
15.224	Cultural and Paleontological Resources Management	VARIOUS		68,685	
15.225	Recreation Resource Management	VARIOUS		75,607	
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS		75,279	
15.243	BLM Youth Conservation	VARIOUS		336,927	
15.810	National Cooperative Geologic Mapping	VARIOUS		6,115	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS		532,520	
43	National Aeronautics and Space Administration	VARIOUS		24,394	
45.024	Promotion of the Arts_Grants to Organizations and Individuals	VARIOUS		25,000	
47.076	NSF TUES Program	1323279 Univ of Wisconsin	R&D	114	
47.076	Education and Human Resources	VARIOUS	R&D	1,977	
47.076	IUSE: EHR: From Discovery to Market	R-18-0004 University of Houston	R&D	10,280	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		264,179	
84.033	Federal Work-Study Program	VARIOUS		235,269	
84.038	Perkins Loan Program Cancellation	VARIOUS		82,135	
84.042	TRIO_Student Support Services	VARIOUS		338,394	
84.044	TRIO_Talent Search	VARIOUS		303,555	
84.047	TRIO_Upward Bound	VARIOUS		492,694	
84.063	Federal Pell Grant Program	VARIOUS		14,476,531	
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	VARIOUS		6,095	
84.335	Child Care Access Means Parents in School	VARIOUS		117,698	
93.086	DHS: BYU Relationship Enrichment Program	A02435 Brigham Young University		-274	
93.211	Telehealth Programs	VARIOUS		115,505	
93.600	Head Start	VARIOUS		4,951,227	
		Subtotal – Southern Utah University		24,183,109	
SOUTHWEST TECHNICAL COLLEGE					
84.063	Federal Pell Grant Program	VARIOUS		364,025	
		Subtotal – Southwest Technical College		364,025	
TOOELE TECHNICAL COLLEGE					

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
TOOELE TECHNICAL COLLEGE					
84.063	Federal Pell Grant Program	VARIOUS		349,819	
		Subtotal – Tooele Technical College		349,819	
UINTAH BASIN TECHNOLOGY COLLEGE					
84.063	Federal Pell Grant Program	VARIOUS		112,884	
		Subtotal – Uintah Basin Technology College		112,884	
UNIVERSITY OF UTAH					
10	USFSCONFLICT RESOLUTION	VARIOUS ENVIROISSUES INC		591	
10	DEVELOPMENT OF BUCKLING RESTRA	VARIOUS US ENDOWMENT FOR FORESTRY & COMMUNITIES	R&D	5,222	
10	Department of Agriculture	VARIOUS	R&D	33,772	
10	Department of Agriculture	VARIOUS		48,785	
10.001	Agricultural Research_Basic and Applied Research	VARIOUS	R&D	5,676	
10.212	NITROGEN FIXATION	10043798 FULCRUM BIOSCIENCES	R&D	-1	
10.217	Higher Education - Institution Challenge Grants Program	VARIOUS	R&D	3,230	
10.223	FUTURE HISPANIC ENGINEERS	2015-38422-24059 (04) UNIVERSITY OF TEXAS- PAN AMERICAN		5,000	
10.309	SCRI: FRAME	133336-G003923 WASHINGTON STATE UNIVERSITY	R&D	19,455	
10.310	TECHNOLOGY FOR TRADE	1319858-G003955 WASHINGTON STATE UNIVERSITY	R&D	46,675	
10.310	Agriculture and Food Research Initiative (AFRI)	VARIOUS	R&D	231,670	
10.694	INVERSION WRF	663.7275.01 DESERT RESEARCH INSTITUTE	R&D	40,493	
11	Department of Commerce	VARIOUS		20,066	
11.303	ADVANCED COMPOSITES MANUFACTUR	ED17DEN3030013 UTAH ADVANCED MATERLS MANUFAC IINITIATV	R&D	16,263	
11.307	Economic Adjustment Assistance	VARIOUS	R&D	233,381	129,028
11.431	Climate and Atmospheric Research	VARIOUS	R&D	316,491	
11.438	YUKON OTOLITHS	AC-1705B BERING SEA FISHERMEN'S ASSOCIATION	R&D	412	
11.438	KUSKOKWIM BASELINE	AC-00106 BERING SEA FISHERMEN'S ASSOCIATION	R&D	4,230	
11.440	Environmental Sciences, Applications, Data, and Education	VARIOUS	R&D	27,400	
11.468	Applied Meteorological Research	VARIOUS	R&D	329,569	26,393
11.611	Manufacturing Extension Partnership	VARIOUS		589,071	
12	STRUCTURAL ENERGETICS	10041763 WASATCH MOLECULAR INC	R&D	10	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
12	ABRUPT	10045354 AMERICAN BURN ASSOCIATION		1,911	
12	PROGSTAR	NNSP03130070UTAHNER FOUNDATION FIGHTING BLINDNESS		7,816	
12	SIVENT	FY16.794.011 UNIVERSITY OF COLORADO AT DENVER		10,810	
12	WYLE	TXS015031 KBRWYLE	R&D	17,305	
12	ENZYMATIC FUEL CELL AS A SAFE,	20160162 CFD RESEARCH CORPORATION	R&D	23,113	
12	WIBR BIOCERAMICS	W81XWH-15-10682 WESTERN INSTITUTE FOR BIOMEDICAL RESH	R&D	25,826	
12	Department of Defense	VARIOUS		26,457	
12	PHASE 1 SBIR: COMPUTATIONALLY	FA9550-17-P-0013 LUMARRAY INC	R&D	33,266	
12	ENVIRONMENTAL SENTINELS (YR2)	10046910 NEVADA NANOTECH SYSTEMS INC	R&D	34,624	
12	EBS SUBCONTRACT: ICR	124-AY-1C-PO4435 ELECTRONIC BIOSCIENCE INC	R&D	35,833	
12	DUAL-TASK TURNING MEASURES	1013370 UUT OREGON HEALTH & SCIENCE UNIVERSITY	R&D	48,759	
12	TNA POLYMERS UCI	2016-3374 UNIVERSITY OF CALIFORNIA IRVINE	R&D	64,603	
12	CONCUSSION SUBTYPES	61947399-116140 (RQ4590692) STANFORD UNIVERSITY	R&D	68,100	
12	FHA DOD	VARIOUS WESTERN INSTITUTE FOR BIOMEDICAL RESH		76,045	
12	COMPOSITE DAMPING TESTING	9737-AM05 / 10039795 MATERIALS SCIENCES CORPORATION		78,149	
12	STRUCTURAL REACTIVE MATERIALS	10046058 WASATCH MOLECULAR INC	R&D	80,062	
12	SIM-BASED INTERACTIVE SYSTEMS	2017-1532-02 NORTH CAROLINA STATE UNIVERSITY	R&D	87,443	23,877
12	CAUSE	SC1519205(PSyCHIC) CHARLES RIVER ANALYTICS	R&D	92,742	
12	ESPIRA ARMY PHASE II SUBCON	W911QY-17-C-0032 ESPIRA	R&D	93,771	
12	GENETIC CIRCUIT DESIGN FOR EX	S4628 (PO 194184) MASSACHUSETTS INSTITUTE OF TECHNOLOGY	R&D	97,909	
12	REASSESSMENT OF PTE MODELS	1554466 UNIVERSITY OF COLORADO AT BOULDER	R&D	160,526	
12	DARPA STOIC LEIDOS PROPOSAL	P00171650 LEIDOS	R&D	162,057	
12	DARPA NESD: BISC INTERFACE	1(GG012664) COLUMBIA UNIVERSITY	R&D	419,357	224,873
12	Department of Defense	VARIOUS	R&D	934,853	22,347
12	Department of Defense	VARIOUS	R&D	2,097,323	84,244
12.300	RITN FY15	209163 NATIONAL MARROW DONOR PROGRAM		3,935	
12.300	AFFORDANCES FOR MEASURES	UNIV59880 VANDERBILT UNIVERSITY	R&D	85,706	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
12.300	C-FOG	203349UU UNIVERSITY OF NOTRE DAME	R&D	193,485	
12.300	METALLOID CLUSTER NETWORKS	2002694588 JOHNS HOPKINS UNIVERSITY	R&D	193,780	
12.300	SECURING SOFTWARE SYSTEMS	088513-16628 UNIVERSITY OF IL AT URBANA-CHAMPAIGN	R&D	242,665	
12.300	Basic and Applied Scientific Research	VARIOUS	R&D	2,005,733	318,638
12.351	RADIATION DAMAGE IN GAN	5711-UU-DTRA-0056 PENNSYLVANIA STATE UNIVERSITY	R&D	66,393	
12.351	SYNTHETIC ACHE FUNCTION	A11961 (A008823) EMORY UNIVERSITY	R&D	83,891	
12.351	Basic Scientific Research - Combating Weapons of Mass Destruction	VARIOUS	R&D	236,469	150,000
12.357	LANGUAGE TRAINING CENTER	PGO1801-UTAH-18 INSTITUTE OF INTERNATIONAL EDUCATION		4,799	
12.357	LANGUAGE TRAINING CENTER	PGO1801-UTAH-18-LTC-052-PO1 INSTITUTE OF INTERNATIONAL EDUCATION		165,531	
12.420	HDRA AA BREAST PROSTATE CANCER	WSU17069 WAYNE STATE UNIVERSITY	R&D	109	
12.420	VISKOCHIL UAB SUB APRIL 2017	000516840-003-T001 UNIVERSITY OF ALABAMA AT BIRMINGHAM	R&D	945	
12.420	STAAMP (FIXED PRICE)	9012699 (411975-2) UNIVERSITY OF PITTSBURGH	R&D	1,848	
12.420	VA STEPWATCH STUDY	VARIOUS MODUS HEALTH	R&D	2,812	
12.420	VANCO STUDY	SR00001694 JOHNS HOPKINS HOSPITAL		6,376	
12.420	UC DAVIS TBI BURN	A18-1929-S001 UNIVERSITY OF CALIFORNIA DAVIS	R&D	20,071	
12.420	TBI BIOLOGICAL DIAGNOSIS	0031471(408294-6) UNIVERSITY OF PITTSBURGH	R&D	22,808	
12.420	AGARWAL JOHN HOPKINS J14146	ARJUHP02002478754 JOHNS HOPKINS UNIVERSITY	R&D	28,416	
12.420	STAAMP	00358594093852 UNIVERSITY OF PITTSBURGH	R&D	60,896	
12.420	LAL BCH SUB OCT 2016	PO GENFD0001337840 CHILDRENS HOSPITAL BOSTON	R&D	63,848	
12.420	CLOTT	NTI-CLOTT17-17 NATIONAL TRAUMA INSTITUTE	R&D	79,900	
12.420	PROJECT SAFE GUARD	USM-GR05777.001 UNIVERSITY OF SOUTHERN MISSISSIPPI	R&D	108,116	
12.420	METALS II	JHUPO:2003945663 JOHNS HOPKINS UNIVERSITY	R&D	138,232	
12.420	COUPLES CRISIS PLANNING	MSRC-FY18-04 DENVER RESEARCH INSTITUTE	R&D	173,638	78,151
12.420	ANALGESIC GALANIN ANALOGS	UWSC10391 BPO30291 UNIVERSITY OF WASHINGTON	R&D	225,036	
12.420	MINIPIG BRAIN PROPERTIES	3828 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	R&D	237,675	
12.420	HO STUDY - DEPT ARMY	PO883714 / 3459 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	R&D	237,856	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
12.420	Military Medical Research and Development	VARIOUS	R&D	8,145,147	718,865
12.431	FRACTIONAL PDES	00001271 BROWN UNIVERSITY	R&D	136,790	
12.431	Basic Scientific Research	VARIOUS	R&D	2,573,885	1,117,666
12.550	FLAGSHIP PROFICIENCY GRANT	0054UTAH23PI280P01 INSTITUTE OF INTERNATIONAL EDUCATION		57,325	
12.579	LANGUAGE TRAINING CENTER	2603UTAH11LTC052P04 INSTITUTE OF INTERNATIONAL EDUCATION		86,431	
12.617	Economic Adjustment Assistance for State Governments	VARIOUS	R&D	2,313,597	849,330
12.630	Basic, Applied, and Advanced Research in Science and Engineering	VARIOUS	R&D	2,136,024	1,451,196
12.750	POLYAMINES AS UNIQUE TOPICAL WOUND THERAPIES	837895 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	R&D	-1,130	
12.750	HJF HO STUDY - CRSR	3338P0881181 HENRY M. JACKSON FNDT ADVNCMNT MIL MED	R&D	39,845	
12.750	BLUE LIGHT PROJECT	S-10507-01 THE GENEVA FOUNDATION	R&D	85,343	
12.750	Uniformed Services University Medical Research Projects	VARIOUS	R&D	327,517	28,414
12.800	MITOCHONDRIAL BIOHYBRID ELECTR	47261-A MEDGAR EVERS COLLEGE	R&D	85,220	
12.800	PT-symmetric materials	P0284835 UNIVERSITY OF CENTRAL FLORIDA	R&D	177,936	
12.800	Air Force Defense Research Sciences Program	VARIOUS		191,656	
12.800	Electrochemical Probes	SP0022325PROJ0007153 NORTHWESTERN UNIVERSITY	R&D	253,635	
12.800	Air Force Defense Research Sciences Program	VARIOUS	R&D	1,555,180	432,049
12.900	Language Grant Program	VARIOUS		96,317	
12.910	ADVANCED ELECTRODE MATERIALS	1401944 UNIVERSITY OF TEXAS AT DALLAS	R&D	10,936	
12.910	MAMMALIAN INNER EAR AS ANTENNA	503-02 NEW MEXICO CONSORTIUM	R&D	62,951	
12.910	Research and Technology Development	VARIOUS	R&D	2,683,122	702,578
14	Department of Housing and Urban Development	VARIOUS		-507	
15	Department of the Interior	VARIOUS		533	
15	ARCHAEOLOGY OF GRAND STAIRCASE	L/7AS00028 COLORADO PLATEAU ARCHAEOLOGICAL ALLNCE	R&D	3,627	
15	Department of the Interior	VARIOUS	R&D	32,149	
15.224	Cultural and Paleontological Resources Management	VARIOUS	R&D	40,666	
15.225	Recreation Resource Management	VARIOUS	R&D	4,075	
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS	R&D	16,740	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
15.232	AIRPACT-FIRE	125073 G003498 WASHINGTON STATE UNIVERSITY	R&D	15,293	
15.232	Wildland Fire Research and Studies	VARIOUS	R&D	127,133	6,533
15.511	CURATION OF BOR COLLECTIONS	R16AP00020		26,743	
15.678	Cooperative Ecosystem Studies Units	VARIOUS		5,114	
15.807	Earthquake Hazards Reduction Program	VARIOUS	R&D	5,803	
15.807	THERMAL MODEL	104714152 SOUTHERN CALIFORNIA EARTHQUAKE CENTER	R&D	12,635	
15.807	SAN JACINTO FAULT ZONE	91264274 SOUTHERN CALIFORNIA EARTHQUAKE CENTER	R&D	19,170	
15.807	Earthquake Hazards Reduction Program	VARIOUS		885,765	
15.808	U.S. Geological Survey_ Research and Data Collection	VARIOUS	R&D	-405	
15.818	Volcano Hazards Program Research and Monitoring	VARIOUS		312,767	
15.922	Native American Graves Protection and Repatriation Act	VARIOUS		13,654	
15.945	KSU THRO SUBCONTRACT	S17172 KANSAS STATE UNIVERSITY	R&D	35,018	28,989
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS		63,562	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS	R&D	71,820	
16	NYU SUBAWARD	F7011-01 NEW YORK UNIVERSITY	R&D	-11,476	
16	Department of Justice	VARIOUS	R&D	-4,688	
16	RIC-AAU TRAFFICKING	VARIOUS ASIAN ASSOCIATION OF UTAH		1,621	
16.320	AAU TIP	VARIOUS ASIAN ASSOCIATION OF UTAH		2,607	
16.556	UT LEGAL SERVICES EVALUATION	2017-VF-GX-K141 UTAH LEGAL SERVICES	R&D	33,001	
16.560	National Institute of Justice Research, Evaluation, and Development Project Grants	VARIOUS	R&D	678,373	
17	Department of Labor	VARIOUS		56,295	
19	FULBRIGHT STUDENT PROGRAM	3216UOU1.16.17 INSTITUTE OF INTERNATIONAL EDUCATION		553	
19	FULBRIGHT STUDENT PROGRAM	IIE0136 UTAH 1.1.18 INSTITUTE OF INTERNATIONAL EDUCATION		20,213	
19.009	UGRAD MARCH 2018	UGRAD PAKISTAN FY16-3062-01 INTL RESEARCH & EXCHANGES BOARD		77,060	
19.009	UGRAD SP19-FA19	UGRAD-PAKISTAN FY17 3073-01 INTL RESEARCH & EXCHANGES BOARD		114,574	
19.401	EGYPT FOOD-WATER FULBRIGHT	VARIOUS BINATIONAL FULBRIGHT COMM IN EGYPT	R&D	435	
20	Department of Transportation	VARIOUS	R&D	164	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
20	CASUAL CARPOOLING	10044592 APPLIED ENGINEERING MANAGEMENT CORP	R&D	37,208	
20	Department of Transportation	VARIOUS		1,396,191	10,400
20.109	Air Transportation Centers of Excellence	VARIOUS	R&D	188,646	
20.701	WZC NITC	NITCN-UU-20-1074 PORTLAND STATE UNIVERSITY	R&D	-30	
20.701	NITC EXEC COMMITTEE FY 2018	NITC2016-UU-01#1149 PORTLAND STATE UNIVERSITY	R&D	428	
20.701	NITC2016-UU03-1148	Various PORTLAND STATE UNIVERSITY	R&D	2,000	
20.701	UTC - MPC	FAR0023138 NORTH DAKOTA STATE UNIVERSITY	R&D	15,086	
20.701	UTAH TRAJECTORY DATA	NITC2016-UU-17/1264 PORTLAND STATE UNIVERSITY	R&D	15,250	
20.701	VSD BASED CAV TRAFFIC CONTROL	NITC2016-UU-09-1175 PORTLAND STATE UNIVERSITY	R&D	15,648	
20.701	LIFE-SPACE MOBILITY AND AGING	NITC2016-UU-08 PORTLAND STATE UNIVERSITY	R&D	17,809	
20.701	KEY ENHANCEMENTS	NITC2016-UU-05 PORTLAND STATE UNIVERSITY	R&D	32,449	12,000
20.701	POLYCENTRICITY	NITC2016-UU-15-1217 PORTLAND STATE UNIVERSITY	R&D	37,088	
20.701	CV SYSTEM DESIGN	NITC2016-UU-16 PORTLAND STATE UNIVERSITY	R&D	40,501	
20.701	NITC GATEWAY PLANNING	NITC 2016-UU-06-1118 PORTLAND STATE UNIVERSITY	R&D	50,435	
20.701	DISRUPTIVE TRAFFIC EVENTS	NITC2016-UU-07 PORTLAND STATE UNIVERSITY	R&D	62,072	3,387
20.701	SOCIAL-TRANSPORTATION ANALYTIC	NITC2016-UU-04 PORTLAND STATE UNIVERSITY	R&D	62,606	27,500
20.701	MPC TRANSPORTATION CENTER	FAR0028684 NORTH DAKOTA STATE UNIVERSITY	R&D	144,061	
21.008	Low Income Taxpayer Clinics	VARIOUS		74,277	
43	SEARCHING FOR A BLACK HOLE	HST-GO-14067.001-A SPACE TELESCOPE SCIENCE INSTITUTE	R&D	-250	
43	STRUCTURE OF NUCLEAR CLUSTERS	HSTAR1326801A SPACE TELESCOPE SCIENCE INSTITUTE	R&D	1,551	
43	IMPROVING TRUST	GRANT#S15-178-05 JAMES MADISON UNIVERSITY	R&D	2,448	
43	IMPROVING BH MASS MEASUREMENTS	HST-GO-14742.002-A SPACE TELESCOPE SCIENCE INSTITUTE	R&D	8,886	
43	ASTROBIOLOGY TO INCARCERATED	BMSSA-01 BLUE MARBLE SPACE INSTITUTE OF SCIENCE	R&D	10,128	
43	GALAXY BULGES	HST-GO-15133.002-A SPACE TELESCOPE SCIENCE INSTITUTE	R&D	13,902	
43	National Aeronautics and Space Administration	VARIOUS		15,560	
43	M33 SURVEY	HST-GO-14610.012-A SPACE TELESCOPE SCIENCE INSTITUTE	R&D	29,044	
43	MODULAR OPTIMIZED OPERATIONAL	VARIOUS VENCORE SERVICES AND SOLUTIONS INC	R&D	31,634	
43	NASA CPEX WITH DAWN	NNH17CV05C-UTAH SIMPSON WEATHER ASSOCIATES	R&D	33,201	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
43	ACTIVE SHIELDING	T804046 WYLE INTEGRATED SCIENCE AND ENG GRP	R&D	63,470	
43	National Aeronautics and Space Administration	VARIOUS	R&D	169,760	
43.001	MINERVA EXOPLANET OBSERVATORY	G11515W4575 MONTANA STATE UNIVERSITY	R&D	1,294	
43.001	PLUTO'S SATELLITES	SV8-88016 SMITHSONIAN ASTROPHYSICAL OBSERVATORY	R&D	4,934	
43.001	RENSSELAER/NASA SUBCONTRACT	A19-0117-S006 (P0259854) RENSSELAER POLYTECHNIC INSTITUTE	R&D	5,748	
43.001	WRF-FIRE FORECASTING WITH NOAA	G25492 COLORADO STATE UNIVERSITY	R&D	17,369	
43.001	U WISC (NASA) SUB	775K795 UNIVERSITY OF WISCONSIN-MADISON	R&D	23,648	
43.001	PLUTO'S LOW MASS SATELLITES	SV9-89021 SMITHSONIAN ASTROPHYSICAL OBSERVATORY	R&D	28,223	
43.001	A VIOLENT MERGER IN THE CLUSTE	G07-18117X SMITHSONIAN ASTROPHYSICAL OBSERVATORY	R&D	40,984	
43.001	NASA URBAN WATER-ENERGY-FOOD	RR175-280/S001041 UNIVERSITY OF GEORGIA	R&D	46,164	
43.001	ROCK-POWERED LIFE	1552611 UNIVERSITY OF COLORADO AT BOULDER	R&D	96,093	
43.001	VALIDATION GPM PRECIPITATION	16-08 TEXAS A&M UNIVERSITY	R&D	99,845	
43.001	ANTARCTIC SEARCH FOR METEORITE	RES512750 CASE WESTERN RESERVE UNIVERSITY	R&D	161,785	
43.001	OPENSPACE: DYNAMIC VISUALIZAT	SUB62720162 AMERICAN MUSEUM OF NATURAL HISTORY	R&D	280,254	
43.001	Science	VARIOUS	R&D	2,275,228	233,752
43.002	QUANTIFYING DARK SUBSTRUCTURE	HSTG014189001A SPACE TELESCOPE SCIENCE INSTITUTE	R&D	3,882	
43.008	Education	VARIOUS	R&D	55,164	54,806
43.008	Education	VARIOUS		657,116	519,045
43.012	Space Technology	VARIOUS		61,707	
43.012	US-COMP INSTITUTE	1607060Z10 MICHIGAN TECHNOLOGICAL UNIVERSITY	R&D	384,922	42,021
45.024	Promotion of the Arts_Grants to Organizations and Individuals	VARIOUS		66,635	
45.160	Promotion of the Humanities_Fellowships and Stipends	VARIOUS	R&D	3,702	
45.161	Promotion of the Humanities_Research	VARIOUS	R&D	37,014	
45.163	Promotion of the Humanities_Professional Development	VARIOUS		57,522	
45.163	Promotion of the Humanities_Professional Development	VARIOUS	R&D	73,242	
45.301	Museums for America	VARIOUS		26,892	
45.312	National Leadership Grants	VARIOUS		165,357	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
47	PARTICLE CHARACTERIZATION	116-NS-IC PO4375/1648790 ELECTRONIC BIOSCIENCE INC	R&D	-25	
47	SCALABLE DETECTOR FOR MIMO	10043366 FARHANG WIRELESS, INC	R&D	916	
47	CONDO OF CONDO	17192062009949 CLEMSON UNIVERSITY	R&D	1,561	
47	EVOLVABLE LIVING COMPUTING	86000020995 BOSTON UNIVERSITY	R&D	7,422	
47	CAICE SUBCONTRACT-CCI PHASE II	45363861 UNIVERSITY OF CALIFORNIA SAN DIEGO	R&D	30,391	
47	TESTING AND EVALUATION OF FUNCTIONALLY GRADED WC-CO - CO	10018547 HEAVYSTONE LABORATORY LLC	R&D	69,450	
47	POWDER	CNS-182688 US IGNITE	R&D	3,633,591	994,154
47.041	NSF STTR SPERM SEPARATIONS	VARIOUS NANONC INC	R&D	-11,078	
47.041	LENS RELIABILITY	10049815 SHARPEYES LLC	R&D	46,543	
47.041	ROBUST EVACUATION SYSTEM	SA0000584 SAN DIEGO STATE UNIVERSITY FOUNDATION	R&D	49,442	
47.041	ENERGY HARVESTING FOR WEARABLE	2012-106707 NORTH CAROLINA STATE UNIVERSITY	R&D	52,195	
47.041	Engineering Grants	VARIOUS	R&D	4,870,871	199,989
47.049	CCI CENTER IN SELECTIVE C-H FUNCTIONALIZATION	S880679 EMORY UNIVERSITY	R&D	-2,499	
47.049	MRI SCT UTAH SUBCONTRACT	UU-1828168 BARNARD UNIVERSITY	R&D	1,455	
47.049	HIGH-THROUGHPUT HEDM AT APS	1123266-388709 CARNEGIE MELLON UNIVERSITY	R&D	5,268	
47.049	SINGLET OXYGEN-RESPONSIVE FLUO	NS1609 TUFTS UNIVERSITY	R&D	20,579	
47.049	MRSEC-SOFT MATERIALS	1552269 UNIVERSITY OF COLORADO AT BOULDER	R&D	48,307	
47.049	PLASMONIC NANOCRESCENT ANTENNA	20143123 UNIVERSITY OF CALIFORNIA IRVINE	R&D	133,944	
47.049	SELECTIVE CH	CHE1700982 EMORY UNIVERSITY	R&D	135,311	
47.049	Mathematical and Physical Sciences	VARIOUS	R&D	8,542,341	110,884
47.050	BRAZELTON ON EXPEDITION 357	28(GG009393-01) COLUMBIA UNIVERSITY	R&D	-38	
47.050	DEEP BRINE LAYER & MERCURY	1637196-1 WESTMINSTER COLLEGE	R&D	-35	
47.050	SOUTHERN CALIFORNIA H/V RATIO	91264235 UNIVERSITY OF SOUTHERN CALIFORNIA	R&D	9,925	
47.050	SNOW, ENERGY & CARBON IN ZONE	VARIOUS UNIVERSITY OF ARIZONA	R&D	11,702	
47.050	CIG	A17-0253-S007 UNIVERSITY OF CALIFORNIA DAVIS	R&D	79,357	
47.050	Geosciences	VARIOUS	R&D	3,568,781	513,833
47.070	SDI-WORKSHOP	PO# 9500013020 RAYTHEON COMPANY	R&D	-293	
47.070	RACKET	502648-78051 NORTHEASTERN UNIVERSITY	R&D	1,927	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
47.070	NSF: DIBBS INTELLIGENCE	P0235476 UNIVERSITY OF ARIZONA	R&D	3,014	
47.070	INSTAGENI MAINTENANCE	3200000590-18.256 UNIVERSITY OF KENTUCKY	R&D	4,511	
47.070	CYBERINFRASTRUCTURE COE PILOT	110331201 UNIVERSITY OF SOUTHERN CALIFORNIA	R&D	5,921	
47.070	DIBBS - INDIANA SUB	BL4848800UTAH INDIANA UNIVERSITY	R&D	8,842	
47.070	BLUE WATER FELLOWSHIP	067846-1707 UNIVERSITY OF IL AT URBANA-CHAMPAIGN	R&D	43,938	
47.070	CC* CI WORKFLOW FACILITATOR	1554921 UNIVERSITY OF COLORADO AT BOULDER	R&D	168,098	
47.070	SLATE - MOBILITY OF CAPABILITY	FP066185-B UNIVERSITY OF CHICAGO	R&D	265,214	
47.070	Computer and Information Science and Engineering	VARIOUS	R&D	8,416,977	1,348,033
47.074	IWASA UC BOULDER SUBAWARD	1557433 UNIVERSITY OF COLORADO AT BOULDER	R&D	11,334	
47.074	MIMULUS EDUCATIONAL MATERIALS	147111 UNIVERSITY OF CONNECTICUT	R&D	12,329	
47.074	UC DAVIS SUB-RESUB	A19-0587-S001 UNIVERSITY OF CALIFORNIA DAVIS	R&D	19,840	
47.074	MAIZE ENDOSPERM	316602 UNIVERSITY OF ARIZONA	R&D	312,890	
47.074	Biological Sciences	VARIOUS	R&D	4,442,590	102,318
47.075	REGIONAL INEQUALITY	S-001006 UNIVERSITY OF CALIFORNIA RIVERSIDE	R&D	35,764	
47.075	Social, Behavioral, and Economic Sciences	VARIOUS	R&D	720,584	150,975
47.076	HOST GENETIC DIVERSITY	ECRA632-22-53/SUB ARIZONA STATE UNIVERSITY	R&D	191	
47.076	Education and Human Resources	VARIOUS	R&D	2,893,612	316,184
47.079	US-JAPAN GRANT: DRIED BLOOD	OISE-17-62930-1 CRDF GLOBAL	R&D	13,136	
47.079	Office of International Science and Engineering	VARIOUS	R&D	20,246	
47.079	ADVANCED ARTIFICIAL MUSCLES	7141560C /GR06613 UNIVERSITY OF NEVADA LAS VEGAS	R&D	112,146	
64	Department of Veterans Affairs	VARIOUS	R&D	20,157	
64	Department of Veterans Affairs	VARIOUS		9,861,885	
64.034	VA Assistance to United States Paralympic Integrated Adaptive Sports Program	VARIOUS	R&D	21,329	
64.034	VA Assistance to United States Paralympic Integrated Adaptive Sports Program	VARIOUS		75,777	
66.511	CLASIC	LCASW3SG16 WATER RESEARCH FOUNDATION	R&D	86,786	
66.511	Office of Research and Development Consolidated Research/Training/Fellowships	VARIOUS	R&D	270,265	
66.514	Science to Achieve Results (STAR) Fellowship Program	VARIOUS	R&D	8,365	
66.514	Science to Achieve Results (STAR) Fellowship Program	VARIOUS		20,100	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
66.806	MAGCORP	VARIOUS FRIENDS OF GREAT SALT LAKE	R&D	29,062	
77.008	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	VARIOUS		105,704	
77.008	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	VARIOUS	R&D	177,609	
81	BIOLOGICALLY INSPIRED AMMONIA	DE-SC0017845 FULCRUM BIOSCIENCES	R&D	1,522	
81	TIRE RECYCLING	SA-19-02 SUSTAINABLE MANUFACTURING INNOV ALLNCE	R&D	19,559	
81	FAST SCALABLE DATA MOVEMENT	10051010 VISUS LLC	R&D	35,426	
81	REMADE DEPUTY NODE LEADER	SA-17-07 SUSTAINABLE MANUFACTURING INNOV ALLNCE	R&D	36,488	
81	NANOSCALE LUBRICANT MECHANICS	FELL0WSHIPN0BLE KRELL INSTITUTE		48,595	
81	HONEYWELL FOAM PHASE 2	PO N000261740 HONEYWELL FED MANFCTR & TECHNLGES LLC	R&D	68,346	
81	BIOLOGICALLY INSPIRED AMMONIA	10049682-BIOLOGICALLY INSPIRED AMMO FULCRUM BIOSCIENCES	R&D	78,243	
81	OPENEDGE2	10040876 ENTRY POINT, LLC	R&D	87,774	
81	REI - FLARES PHASE II	REI-8262-1 REACTION ENGINEERING INTL	R&D	95,154	
81	DOE: WESTSMARTEV	VARIOUS PACIFICORP	R&D	99,328	
81	Department of Energy	VARIOUS		170,503	
81	A NOVEL FLASH IRONMAKING PROCESS	10029234 AISI AMERICAN IRON AND STEEL INSTITUTE	R&D	227,950	
81	RAPID SORTING OF SCRAP METALS	SA-18-01 SUSTAINABLE MANUFACTURING INNOV ALLNCE	R&D	475,623	
81	Department of Energy	VARIOUS	R&D	3,591,607	77,122
81.049	DOE - SUBCONTRACT TO UW	UWSC8610 UNIVERSITY OF WASHINGTON	R&D	-8,653	
81.049	MEMBRANES FOR SOLAR FUELS	10051529 WASATCH MOLECULAR INC	R&D	363	
81.049	HPC FLOWBACK & CLEANUP TOOL	REI82481 REACTION ENGINEERING INTL	R&D	4,781	
81.049	COLD PRECIPITATION DATA	695K656 UNIVERSITY OF WISCONSIN-MADISON	R&D	38,065	
81.049	ALTA ROCK	10049506 ALTAROCK ENERGY	R&D	42,584	
81.049	STOCHASTIC MICROPHYSICS PARAM	Z17-90030 UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	R&D	52,146	
81.049	BETCY EFRC	134124-G003970 WASHINGTON STATE UNIVERSITY	R&D	61,995	
81.049	ENERGY FRONTIERS	17284Z7181006 UNIVERSITY OF MARYLAND	R&D	153,466	
81.049	HOTPLATE SENSOR	10048835 PARTICLE FLUX ANALYTICS	R&D	244,802	
81.049	Office of Science Financial Assistance Program	VARIOUS	R&D	4,169,903	581,024

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
81.057	THORNOCK DOE UCR	UND10356 UNIVERSITY OF NORTH DAKOTA	R&D	34,555	
81.087	DISCOVERING ANTI-CANCER AGENTS	PO 1000850858 UNIVERSITY OF COLORADO AT DENVER	R&D	15,945	
81.087	ZONAL ISOLATION	10052331 HOTROCK ENERGY RESEARCH ORGANIZATION	R&D	20,705	
81.087	PV SOLAR ENERGY	205CAL628 PORTLAND STATE UNIVERSITY	R&D	77,684	
81.087	Renewable Energy Research and Development	VARIOUS	R&D	7,504,562	1,591,908
81.089	RARE EARTH ELEMENTS	VARIOUS REACTION ENGINEERING INTL	R&D	-104	
81.089	Tracer Testing Farnsworth, TX	P0012449 NEW MEXICO INSTITUTE OF MINING & TECH	R&D	6,712	
81.089	HIGH TEMP, PRESS OXYCOMBUSTION	82421 REACTION ENGINEERING INTL	R&D	8,927	
81.089	INTEGRATION OF GEOPHYSICAL SIM	PO 170624-401183-5801 COLORADO SCHOOL OF MINES	R&D	106,152	
81.089	REI DOE HP OXY-COAL 2016	8250-1 REACTION ENGINEERING INTL	R&D	187,458	
81.089	SWP CARBON SEQUESTRATION; PHASE III	GENDSWT20 NEW MEXICO INSTITUTE OF MINING & TECH	R&D	706,257	14,500
81.089	Fossil Energy Research and Development	VARIOUS	R&D	1,114,015	248,216
81.112	HIGH P-T DEFORMATION MECHANISM	18-S20 GEORGE WASHINGTON UNIVERSITY	R&D	19,872	
81.117	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	VARIOUS		397,239	
81.121	ALPHA SPECTROSCOPY OF SALTS	60049182 OHIO STATE UNIVERSITY RESEARCH FNDTN	R&D	27,352	
81.121	NEUP-CU BOULDER 2018	1557174 PO#1001094525 UNIVERSITY OF COLORADO AT BOULDER	R&D	39,108	
81.121	Nuclear Energy Research, Development and Demonstration	VARIOUS		53,585	
81.121	BISON CAPABILITIES	18-023 UNIVERSITY OF NEW HAMPSHIRE	R&D	75,345	
81.121	Nuclear Energy Research, Development and Demonstration	VARIOUS	R&D	885,607	40,918
81.122	Electricity Delivery and Energy Reliability, Research, Development and Analysis	VARIOUS	R&D	136,844	
81.124	Predictive Science Academic Alliance Program	VARIOUS	R&D	2,865,945	308,792
81.135	Advanced Research Projects Agency - Energy	VARIOUS	R&D	644,545	84,519
84	DLI & STUDENT ACHIEVEMENT	R305H170005 AMER COUNCILS FOR INTNL EDUCATION	R&D	71,513	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		857,695	
84.015	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	VARIOUS		1,446,559	669,634

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
84.033	Federal Work-Study Program	VARIOUS		1,766,305	
84.042	TRIO_Student Support Services	VARIOUS		348,221	
84.047	TRIO_Upward Bound	VARIOUS		490,971	
84.063	Federal Pell Grant Program	VARIOUS		30,132,565	
84.229	Language Resource Centers	VARIOUS		117,548	
84.283	WCC EVALUATION	S283B120006 WESTED	R&D	38,178	
84.283	WCC EVALUATION	s12-174 MOD 6 WESTED	R&D	99,160	
84.305	MORPHOLOGY INTERVENTION	5509-UU-IES-0401 PENNSYLVANIA STATE UNIVERSITY	R&D	2,400	
84.305	AAAS SUBCONTRACT	3155A AMER ASSOC FOR THE ADVANCMNT OF SCIENCE		12,202	
84.324	BEHAVIORAL OUTCOMES	FY2019-005 UNIVERSITY OF KANSAS	R&D	24,609	
84.325	NLCSD SCHOLARS - YR 3	UTAH 88403 17-18 SALUS UNIVERSITY		2,000	
84.325	NLCSD PROJECT YEAR 4	H325H140002 SALUS UNIVERSITY		26,198	
84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	VARIOUS		822,011	16,014
84.335	Child Care Access Means Parents in School	VARIOUS		298,232	
84.379	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)	VARIOUS		11,256	
85.802	Fellowship Program	VARIOUS		2,250	
93	PK OF UNDERSTUDIED DRUGS	193221 DUKE CLINICAL RESEARCH INSTITUTE	R&D	-56,948	
93	PIDTC-PBMTC SCIDS	VARIOUS CHILDRENS HOSPITAL PHILADELPHIA	R&D	-36,448	
93	HAPTOGLOBIN TREATMENT	VARIOUS NANOSHELL LLC	R&D	-25,152	
93	PBMTC PIDTC 6901 SCID	6901 CHILDREN'S HOSPITAL OF LOS ANGELES	R&D	-23,952	
93	A PHASE LL, RANDOMIZED, PLACEBO-CONTROLLED, BLINDED INVE	000406268003 UNIVERSITY OF ALABAMA	R&D	-14,037	
93	PIDTC SCID 6904	6904 CHILDREN'S HOSPITAL OF LOS ANGELES	R&D	-13,265	
93	PIDTC 6902 SCID	6902 CHILDREN'S HOSPITAL OF LOS ANGELES	R&D	-11,993	
93	PIDTC SCIDS 6903	6903 CHILDREN'S HOSPITAL OF LOS ANGELES	R&D	-10,372	
93	FLUORESCEIN FOR LYMPHATIC MAPPING AND SENTINEL LYMPH NOD	VARIOUS VESTAN INC	R&D	-6,074	
93	LONGTERM FOLLOW UP OF PATIENTS PARTICIPATING IN THE MULT	2003163059 JOHNS HOPKINS UNIVERSITY	R&D	-3,917	
93	EBOLA PHASE 2 SBIR	10035362 NAVIGEN	R&D	-1,725	
93	AMPOFO CDC FLU PANDEMIC STUDY	44360 ABT ASSOCIATES INC	R&D	-317	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93	UHIN - HEALTHIER COMMUNITIES	VARIOUS UTAH HEALTH INFORMATION NETWORK	R&D	-53	
93	EXONUCLEASE-NANOPORE PLATFORM	141-NH-1C-4485 ELECTRONIC BIOSCIENCE INC	R&D	-8	
93	PAVIA BFD GI PANEL SUB FEB '15	VARIOUS BIOFIRE DIAGNOSTICS INC	R&D	17	
93	IMPROVED PATIENT RECOVERY AFTER ANESTHESIA WITH HYPERCAP	10014935 AXON MEDICAL INC	R&D	368	
93	PERCEPTIONS STUDY	VARIOUS NEW ENGLAND RESEARCH INC	R&D	372	
93	CDC FLU PANDEMIC 2 TO49775	T.O. 49775 ABT ASSOCIATES INC	R&D	403	
93	REVIVE IT	3002875927 UNIVERSITY OF MICHIGAN	R&D	562	
93	BIQSFP(NCTN) - COGAALL0932	9500080216-S7XX CHILDRENS HOSPITAL PHILADELPHIA	R&D	736	
93	MIDAS	VARIOUS LAM FOUNDATION	R&D	877	
93	TERM REFERENCE	PRELIM-10050207-RTI RTI INTERNATIONAL	R&D	915	
93	PLCO	VARIOUS WESTAT	R&D	1,106	
93	BOYER BMT CTN 1102	BMTCTNPROTOCOL1102 NATIONAL MARROW DONOR PROGRAM	R&D	1,383	
93	ANHL1131	ROCH$ANHL1131 CHILDRENS HOSPITAL PHILADELPHIA	R&D	1,600	
93	Department of Health and Human Services	VARIOUS	R&D	2,066	
93	SCAMP TRIAL	UTA03 DUKE CLINICAL RESEARCH INSTITUTE	R&D	5,727	
93	LUMBAR SURGERY LOW BACK PAIN	19-84105-09 (17-074) UNIVERSITY OF TEXAS MEDICAL BRANCH	R&D	6,319	
93	TRANSFORM-HF	2938081 DUKE CLINICAL RESEARCH INSTITUTE	R&D	6,813	
93	FAP - ERLOTINIB - MAYO	PO 65497845 / MCR-0131-CPN MAYO CLINIC ROCHESTER	R&D	7,384	
93	FLAHERTY JHU CONTRACT MAY2018	JHU ID#90075167 JOHNS HOPKINS UNIVERSITY	R&D	10,000	
93	DRUG REPURPOSING PLATFROM	1503014 RECURSION PHARMACEUTICALS LLC	R&D	10,970	
93	BEST-CLI TRIAL	VARIOUS NEW ENGLAND RESEARCH INSTITUTES	R&D	12,570	
93	INDIAN HEALTH SERVICES PROJ	10052282 REGENSTRIEF INSTITUTE, INC	R&D	14,473	
93	NN 108	1U10NS077305-01 MASSACHUSETTS GENERAL HOSPITAL	R&D	14,617	
93	Department of Health and Human Services	VARIOUS	R&D	15,279	
93	PLCO/CDCC	6426-509 WESTAT	R&D	15,884	
93	CEGIR 7802	VARIOUS CINCINNATI CHILDRENS HOSPITAL MED CTR	R&D	15,941	
93	YODER RTI MAR 2017 MILRINONE	HD 036790 / 0212456 RTI INTERNATIONAL	R&D	16,429	
93	ROP1	VARIOUS JAEB CENTER FOR HEALTH RESEARCH	R&D	16,766	6,786

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93	FLU PANDEMIC TO 48494	TO-200-2013-F-57544 ABT ASSOCIATES INC	R&D	16,881	
93	ALLIANCE NCORP RESEARCH BASE	VARIOUS MAYO CLINIC ROCHESTER	R&D	17,181	
93	TREATMENT OF ASTHMA	HHSN268201700021C TECHNOLOGY HOLDINGS LLC	R&D	18,133	
93	FLU PANDEMIC - PHASE A	MA44306T044927 ABT ASSOCIATES INC	R&D	18,411	
93	PROSTATE 8	PO B00127743 UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	19,742	
93	HERSH CHOP CDC SUB JUNE 2017	7300260419 / PO 962906-RSUB CHILDRENS HOSPITAL PHILADELPHIA	R&D	24,604	
93	VIOLET-PETAL	10045509 INTERMOUNTAIN HEALTHCARE	R&D	24,865	
93	SWOG CONTRACT	VARIOUS OREGON HEALTH & SCIENCE UNIVERSITY	R&D	31,026	
93	NIH COG NCORP (UG1CA189955)	UGICA189955 CHILDRENS HOSPITAL PHILADELPHIA	R&D	33,854	
93	BOTTO TFGH CDC SUB 2018-2019	VARIOUS THE TASK FORCE FOR GLOBAL HEALTH	R&D	35,162	
93	ECOG-ACRIN LAPS PURCHASE AGREE	VARIOUS ECOG-ACRIN CANCER RESEARCH GROUP	R&D	46,444	
93	CTSU PHASE II SUPPLEMENTAL	VARIOUS CHILDRENS HOSPITAL PHILADELPHIA	R&D	49,045	
93	MSU SUBCONTRACT	RC103694UT MICHIGAN STATE UNIVERSITY	R&D	50,078	
93	CVDC POSTDOC SUPPORT	1U01HL131003-3 CINCINNATI CHILDRENS HOSPITAL MED CTR	R&D	53,142	
93	CCN-DENVER	FY18.903.001 UNIVERSITY OF COLORADO AT DENVER	R&D	102,507	18,758
93	QUANTIFIABLE THERMAL THERAPY	10051908 NEOTHERMA ONCOLOGY	R&D	108,702	
93	YODER RTI MAY 2017 DARBE	0212456 RTI INTERNATIONAL	R&D	108,736	
93	BREAST CANCER TESTING PANELS	UOU-195385 MAYO CLINIC ROCHESTER	R&D	132,187	
93	DVAS	A003630302 UNIVERSITY OF MINNESOTA	R&D	157,245	
93	TRIALNET MAJOR AFFILIATE	6119114400E UNIVERSITY OF SOUTH FLORIDA	R&D	247,941	
93	NIH NCTN GRANT (U10CA180886)	SUB#950008021512C CHILDRENS HOSPITAL PHILADELPHIA	R&D	319,182	
93	INTEGRATING NOVEL MECHANISMS	000513373-SP004-001 UNIVERSITY OF ALABAMA AT BIRMINGHAM	R&D	747,906	
93	Department of Health and Human Services	VARIOUS	R&D	1,424,861	
93	Department of Health and Human Services	VARIOUS	R&D	10,331,455	835,700
93.048	Special Programs for the Aging_Title IV_and Title II_Discretionary Projects	VARIOUS	R&D	144,330	
93.059	Training in General, Pediatric, and Public Health Dentistry	VARIOUS	R&D	335,870	
93.073	FELDKAMP UOFI SUB FEB 2018	S00427-01 UNIVERSITY OF IOWA	R&D	4,549	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.073	Birth Defects and Developmental Disabilities - Prevention and Surveillance	VARIOUS	R&D	437,798	
93.077	NICOTINE CONTENT	00005077 MD ANDERSON CANCER CENTER	R&D	18,510	
93.084	GLOBAL TRAVEPINET PROGRAM	231295 YEAR 1 MASSACHUSETTS GENERAL HOSPITAL	R&D	15,068	
93.084	JHMI SUBCONTRACT	2004040591 JOHNS HOPKINS HOSPITAL	R&D	20,197	
93.084	Prevention of Disease, Disability, and Death by Infectious Diseases	VARIOUS	R&D	1,060,234	326,957
93.085	Research on Research Integrity	VARIOUS	R&D	9,990	
93.103	ARIMOCLOMOL IN IBM	ZAD00000 UNIVERSITY OF KANSAS	R&D	76	
93.103	DCA IN PDC DEFICIENCY	UFOCR00012081 (UFDSP0011718) UNIVERSITY OF FLORIDA	R&D	2,990	
93.103	PHASE 3 IVFAT PNAC FDA SUB	3003792592 UNIVERSITY OF MICHIGAN	R&D	28,772	
93.103	Food and Drug Administration_Research	VARIOUS	R&D	151,446	
93.107	Area Health Education Centers Point of Service Maintenance and Enhancement Awards	VARIOUS	R&D	351,675	255,341
93.110	Maternal and Child Health Federal Consolidated Programs	VARIOUS	R&D	806,620	620,368
93.113	TAYLOR R01	WFUHS 552908 WAKE FOREST UNIVERSITY	R&D	11,265	
93.113	QUINLAN UF RESUBMIT 2016	UFDSP00011534 UNIVERSITY OF FLORIDA	R&D	48,359	
93.113	Environmental Health	VARIOUS	R&D	801,302	
93.117	Preventive Medicine and Public Health Residency Training Program, Integrative Medicine Program, and National Coordinating Center for Integrative Medicine	VARIOUS	R&D	96,986	
93.121	PEPTIDE NANOFIBER HYDROGELS	R22722 RICE UNIVERSITY	R&D	-10,729	
93.121	Oral Diseases and Disorders Research	VARIOUS	R&D	3,206,206	350,859
93.127	EMERGENCY MEDICAL SERVICE FOR CHILDREN NETWORK DEVELOPME	5/SUB0800089/201503204-01 UNIVERSITY OF CALIFORNIA DAVIS	R&D	-18,882	
93.127	MANN MCW SUB JAN 2016	PO MEDICAL COLLEGE OF WISCONSIN	R&D	30,301	
93.127	NELSON UCD PECARN SUB REN 2015	201503204-1 UNIVERSITY OF CALIFORNIA DAVIS	R&D	138,758	
93.127	Emergency Medical Services for Children	VARIOUS	R&D	3,177,989	
93.135	LYNCH NAPROXEN PER PATIENT	00004109 MD ANDERSON CANCER CENTER	R&D	36,957	
93.136	UMB CDC SUBCONTRACT	1600184A 2026 UNIVERSITY OF MARYLAND BALTIMORE	R&D	17,367	
93.136	Injury Prevention and Control Research and State and Community Based Programs	VARIOUS	R&D	808,711	317,112
93.142	HAZARDOUS MATERIALS TRAINING	0011233A and 0011234A UNIVERSITY OF TEXAS AT HOUSTON	R&D	290,769	
93.143	A SYSTEMS BIOLOGY APPROACH	400763-5802 COLORADO SCHOOL OF MINES	R&D	103,682	
93.145	NATIONAL AIDS EDU & TRAIN CTR.	UWSC8703 UNIVERSITY OF WASHINGTON	R&D	171,379	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.153	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	VARIOUS	R&D	388,135	
93.172	CLINGEN RESOURCE	5108832 UNIV OF NORTH CAROLINA AT CHAPEL HILL	R&D	8,124	
93.172	VALIDATION OF CSER	OOS030229-UTAH-84068 KAISER FOUNDATION RESEARCH INSTITUTE	R&D	45,553	
93.172	SOUTH SEQ	20000.044.02-06 HUDSONALPHA INSTITUTE OF BIOTECHNOLOGY	R&D	63,081	
93.172	MARTH/FRAMESHIFT-NOVEL IBIO	1R43HG009868-01 FRAMESHIFT LABS LLC	R&D	63,395	
93.172	MARTH/FRAMESHIFT SBIR II 2017	2R44HG009096-02 FRAMESHIFT LABS LLC	R&D	91,948	
93.172	THE CLINICAL GENOME RESOURCE	5111267 UNIV OF NORTH CAROLINA AT CHAPEL HILL	R&D	92,160	
93.172	FRAMESHIFT STTR SUB 2016	1R41HG009629-01 FRAMESHIFT LABS LLC	R&D	120,042	
93.172	QUINLAN BROAD RESUBMIT 2016	5001020-5500001047 BROAD INSTITUTE	R&D	456,171	
93.172	Human Genome Research	VARIOUS	R&D	4,355,458	19,554
93.173	SIMULATING VOICE DISORDERS	UMS-1163 UNIVERSITY OF MAINE AT FORT KENT	R&D	41,015	
93.173	OLFACTORY DYSFUNCTION CRS	1008367 UUT OREGON HEALTH & SCIENCE UNIVERSITY	R&D	69,187	
93.173	R01 RENEW RESUB BYU JULY2017	17-0492 BRIGHAM YOUNG UNIVERSITY	R&D	93,627	
93.173	NIH R01 THOMSON NIDCD	18-0526 BRIGHAM YOUNG UNIVERSITY	R&D	126,353	
93.173	UMD SUBCONTRACT	110445A 2058 SR00005457 UNIVERSITY OF MARYLAND	R&D	170,237	
93.173	R01 RESUB TANNER BYU JULY2017	18-0523 BRIGHAM YOUNG UNIVERSITY	R&D	245,056	
93.173	SIMULATOR FOR PHONOSURGERY	GMO 17510 UNIV OF TEXAS SOUTHWESTERN MEDICAL CTR	R&D	350,676	
93.173	Research Related to Deafness and Communication Disorders	VARIOUS	R&D	4,117,249	299,132
93.178	Nursing Workforce Diversity	VARIOUS	R&D	384,880	
93.186	National Research Service Award in Primary Care Medicine	VARIOUS	R&D	259,621	
93.211	Telehealth Programs	VARIOUS	R&D	219,513	
93.213	PAIN MANAGEMENT PROGRAM	1`163428/162264 UNIVERSITY OF TEXAS AT SAN ANTONIO	R&D	2,117	
93.213	MADSEN UG3-UH3 SUB NYU JUN2017	17-A0-00-008501 PROJ109452 NYU LANGONE MEDICAL CENTER	R&D	11,043	
93.213	REDUCTION OF ALCOHOL	11-19630-99-01-G2 MOFFITT CANCER CENTER	R&D	14,280	
93.213	COOPERMAN R21/R33 SUBCONTRACT	0752 PO#954421 RUTGERS UNIVERSITY	R&D	20,232	
93.213	PRAGMATIC HEMODIALYSIS TRIALS	570169 UNIVERSITY OF PENNSYLVANIA	R&D	28,179	
93.213	Research and Training in Complementary and Alternative Medicine	VARIOUS	R&D	1,462,163	434,169

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.226	CEASAR - AHRQ	VUMC 57335 VANDERBILT UNIVERSITY MEDICAL CENTER	R&D	5,035	
93.226	SAFE PERFORMANCE OF EHR	111456 BRIGHAM & WOMENS HOSPITAL	R&D	5,937	
93.226	ENACT	0039806 (124759-2) UNIVERSITY OF PITTSBURGH	R&D	6,191	
93.226	MEDICATION ASSIGNED TREATMENT	CNVA00053096(41481-1)-9014203(413778-1) UNIVERSITY OF PITTSBURGH	R&D	7,955	
93.226	CAROLINAS-ACUTE PE	3000301409 (A18-0236-S004) CAROLINAS HEALTHCARE SYSTEM	R&D	18,773	
93.226	PATIENT-CENTERED OUTCOMES	2312021528152594L RTI INTERNATIONAL	R&D	30,357	
93.226	OPIOID USE DISORDER	CNVA00053096 UNIVERSITY OF PITTSBURGH	R&D	42,218	
93.226	MAINTAIN	002608(127137-1) UNIVERSITY OF PITTSBURGH	R&D	56,996	
93.226	GEORGETOWN SUBCONTRACT	5001451461 MEDSTAR HEALTH	R&D	60,412	
93.226	MRSA IN LONG TERM CARE	568241 UNIVERSITY OF PENNSYLVANIA	R&D	239,130	
93.226	Research on Healthcare Costs, Quality and Outcomes	VARIOUS	R&D	1,889,226	427,106
93.233	National Center on Sleep Disorders Research	VARIOUS	R&D	101,533	10,356
93.236	Grants to States to Support Oral Health Workforce Activities	VARIOUS	R&D	209,454	
93.242	KELLER MICH SUB JUNE 2014	3003322495 UNIVERSITY OF MICHIGAN	R&D	-62,929	
93.242	NORLIN AAP JUNE 2016	755161UU AMERICAN ACADEMY OF PEDIATRICS	R&D	-1,572	
93.242	RELATIONSHIP DOMAINS	5111756 UNIV OF NORTH CAROLINA AT CHAPEL HILL	R&D	9,601	
93.242	ONLINE INTERVENTION DEVELOPMNT	18-M23 GEORGE WASHINGTON UNIVERSITY	R&D	10,400	
93.242	KELLER MICH SUB AUG 2017	3004544101 UNIVERSITY OF MICHIGAN	R&D	18,607	
93.242	COOK OHSU R21 SUB 2018-2019	1008660 UUTAA OREGON HEALTH & SCIENCE UNIVERSITY	R&D	30,552	
93.242	PATHS	18-M32 GEORGE WASHINGTON UNIVERSITY	R&D	31,268	
93.242	CBIT-TRAINER	2017-0154 PSYCTECH LTD	R&D	41,119	
93.242	UC RIVERSIDE-NIH SUBCONTRACT	S-001029 UNIVERSITY OF CALIFORNIA RIVERSIDE	R&D	56,658	
93.242	LEPPERT SUBCONTRACT	496K952 UNIVERSITY OF WISCONSIN-MADISON	R&D	63,513	
93.242	CASPER MICH ED-STARS SEPT 2016	3004653606 UNIVERSITY OF MICHIGAN	R&D	88,063	
93.242	CASPER ED-STARS	3003298612 UNIVERSITY OF MICHIGAN	R&D	139,619	
93.242	STABILIZING BEHAVIORAL RHYTHMS	UU442018 HEALTH RHYTHMS	R&D	172,041	
93.242	SUBCONTRACT TO WISCONSIN/LAINH	690K922 UNIVERSITY OF WISCONSIN-MADISON	R&D	532,007	
93.242	Mental Health Research Grants	VARIOUS	R&D	3,280,933	105,862

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.243	FAST	VARIOUS THE ROAD HOME	R&D	18,774	
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS	R&D	1,039,723	80,230
93.253	Poison Center Support and Enhancement Grant Program	VARIOUS	R&D	153,469	
93.262	DRONES FOR SAFETY INSPECTION	SUB00001631 UNIVERSITY OF FLORIDA	R&D	5,003	
93.262	RAMSAY COLORADO	G-61105-03 COLORADO STATE UNIVERSITY	R&D	11,040	
93.262	EXPOSURE RESPONSE FOR LBP	183405351 UNIVERSITY OF WISCONSIN-MILWAUKEE	R&D	14,544	
93.262	Occupational Safety and Health Program	VARIOUS	R&D	1,813,356	5,232
93.264	Nurse Faculty Loan Program (NFLP)	VARIOUS	R&D	111,219	
93.273	TEEN ALCOHOL SCREENING IN THE PEDIATRIC EMERGENCY CARE A	70154751UT RHODE ISLAND HOSPITAL	R&D	3,607	
93.273	ALCOHOL DISORDER PREVENTION	S-001070 UNIVERSITY OF CALIFORNIA RIVERSIDE	R&D	9,593	
93.273	PRUITT RIH SUB SEPT 2016	7017137290-1 RHODE ISLAND HOSPITAL	R&D	20,423	
93.273	HIV INFECTED VETERANS	0037731 (124672-4) UNIVERSITY OF PITTSBURGH	R&D	45,358	
93.273	TECHNOLOGY-BASED EVALUATION	UWSC9335 UNIVERSITY OF WASHINGTON	R&D	129,509	
93.273	Alcohol Research Programs	VARIOUS	R&D	1,127,555	12,454
93.279	FACILITATING HCV TREATMENT	8020 MAGEE-WOMENS RESH INST & FDTN	R&D	-94	
93.279	MINDFULNESS	FORD0027 FORDHAM UNIVERSITY	R&D	-6	
93.279	UTERO CANNABIS NEONATAL BRAIN	FY19.778.003 UNIVERSITY OF COLORADO AT DENVER	R&D	2,989	
93.279	CANNABIS DURING PREGNANCY	SC37730-1 COLORADO SEMINARY	R&D	3,758	
93.279	PITTSBURGH GELLAD SUBCONTRACT	0057127(130219-3) UNIVERSITY OF PITTSBURGH	R&D	4,781	
93.279	OAT IN MEDICAID IMPACT	9920180084 RAND CORPORATION	R&D	14,841	
93.279	Nicotine and Alcohol Co-Depend	140401 BRIGHAM YOUNG UNIVERSITY	R&D	25,742	
93.279	PRESCRIPTION DRUG MONITORING	009942-025 UNIVERSITY OF CINCINNATI	R&D	61,347	
93.279	MII	32661 UTAH BARROW NEUROLOGICAL INSTITUTE	R&D	103,664	
93.279	CTN BUPRENORPHINE	15116-1 HENNEPIN HEALTHCARE RESEARCH INSTITUTE	R&D	192,512	
93.279	Drug Abuse and Addiction Research Programs	VARIOUS	R&D	4,673,464	44,517
93.283	Centers for Disease Control and Prevention_Investigations and Technical Assistance	VARIOUS	R&D	946,839	368,714
93.286	CORNELL SUB R01 RESUBMISSION	1304055702 WEILL CORNELL MEDICAL COLLEGE	R&D	-105	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.286	NIH SUB WITH FAU	URK87 FLORIDA ATLANTIC UNIVERSITY	R&D	21,798	
93.286	MD2K	5-40513 UNIVERSITY OF MEMPHIS	R&D	23,407	
93.286	MRI GUIDED THERMAL THERAPY	11171SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	79,368	
93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	VARIOUS	R&D	2,909,819	8,184
93.307	VINCI R00	11-19002-99-01-G2 MOFFITT CANCER CENTER	R&D	13,731	
93.307	UOFTX LATINO SMOKERS	UTA17-0001145 UNIVERSITY OF TEXAS AT AUSTIN	R&D	18,857	
93.307	COOK CNMC SUB OCT 2016	30004222-03 CHILDREN'S NATIONAL MEDICAL CENTER	R&D	33,809	
93.307	NYU SUBCONTRACT	18-A1-00-007896 PROJ#110387 NEW YORK UNIVERSITY	R&D	45,370	
93.307	Minority Health and Health Disparities Research	VARIOUS	R&D	1,415,959	857,114
93.310	DP2 SUB UCSF	8935SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	-26,024	
93.310	OXANDROLONE - ROWER	10052860 NEW ENGLAND RESEARCH INSTITUTES	R&D	1,132	
93.310	YODER SIRB UOFR JUNE 2017	417194 G/UR FAO GR510713 UNIVERSITY OF ROCHESTER	R&D	7,102	
93.310	WRISTBAND SUPPLEMENT PROJECT	203-7778 DUKE UNIVERSITY	R&D	7,515	
93.310	LA DREAMERS	94745352 UNIVERSITY OF SOUTHERN CALIFORNIA	R&D	13,444	
93.310	CTSA - SINGLE IRB	MUSC17-111-8C997 MEDICAL UNIVERSTIY OF SOUTH CAROLINA	R&D	36,040	
93.310	SOUTHERN ALL OF US NETWORK	000519041-007 UNIVERSITY OF ALABAMA AT BIRMINGHAM	R&D	80,733	
93.310	NRMN	5101964-1 BOSTON COLLEGE	R&D	764,773	453,952
93.310	Trans-NIH Research Support	VARIOUS	R&D	3,816,544	251,967
93.312	GEOCACHING EVENT	VARIOUS TOURETTE ASSOCIATION OF AMERICA	R&D	4,528	
93.315	SPINA BIFIDA COMPONENT C	VARIOUS INTERMOUNTAIN HEALTHCARE	R&D	5,547	
93.315	Rare Disorders: Research, Surveillance, Health Promotion, and Education	VARIOUS	R&D	455,460	18,000
93.350	STRESS	203-7853 DUKE CLINICAL RESEARCH INSTITUTE	R&D	2,058	
93.350	VCRC PROTOCOL 5511	571955 UNIVERSITY OF PENNSYLVANIA	R&D	2,879	
93.350	ACT WAVE 3 - UOP	0055353 UNIVERSITY OF PITTSBURGH	R&D	37,096	
93.350	LASALLE VANDERBILT U24 RIC SUB	VUMC 59240 VANDERBILT UNIVERSITY	R&D	64,289	
93.350	PROMIS	60044737UU NORTHWESTERN UNIVERSITY	R&D	117,382	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.350	LASALLE CTSA NETWORK SUPP UL1	MUSC19-013-8D533 (MUSC17-020-8C706) MEDICAL UNIVERSTIY OF SOUTH CAROLINA	R&D	121,305	
93.350	National Center for Advancing Translational Sciences	VARIOUS	R&D	8,878,604	195,347
93.351	NIH ZEBRAFISH GENOTYPING	10043113 NANONC INC	R&D	-1,941	
93.351	Research Infrastructure Programs	VARIOUS	R&D	1,045,692	
93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	VARIOUS	R&D	3,827,554	1,337,146
93.354	MELANOMA	00003179 MD ANDERSON CANCER CENTER	R&D	242,626	
93.359	Nurse Education, Practice Quality and Retention Grants	VARIOUS	R&D	554,541	75,570
93.361	U MICHIGAN (ZAHURANEC) SUB	3004717570 UNIVERSITY OF MICHIGAN	R&D	2,069	
93.361	STRONG	2017-3499 UNIVERSITY OF CALIFORNIA IRVINE	R&D	5,220	
93.361	LINDER VCU SUBCONTRACT	EP2952370 PR8503090-V2 VIRGINIA COMMONWEALTH UNIVERSITY	R&D	11,020	
93.361	UCDENVER SUBCONTRACT FALL 18	FY19.961.001 UNIVERSITY OF COLORADO AT DENVER	R&D	31,226	
93.361	QUADRUPEDAL HUMAN-ASSISTIVE RO	UA15-060 UNIVERSITY OF ALABAMA	R&D	73,303	
93.361	PRESSURE ULCERS	2035600 DUKE UNIVERSITY	R&D	83,566	
93.361	Nursing Research	VARIOUS	R&D	1,770,775	352,851
93.393	EBS SUBCONTRACT: TOOLS RNA NIH	141-NH-1C-4484 ELECTRONIC BIOSCIENCE INC	R&D	-46	
93.393	BIDMC SUBCONTRACT	01027406 BETH ISRAEL DEACONESS MEDICAL CENTER	R&D	-11	
93.393	BREAST CANCER FAMILY COHORT	1UM1CA16492001A1UT CANCER PREVENTION INST OF CALIFORNIA	R&D	-1	
93.393	SUB TO MAYO U01 (ICPCG)	UOU181797 / PO64852898 MAYO CLINIC ROCHESTER	R&D	1,189	
93.393	ICPCG	63291580 MAYO CLINIC ROCHESTER	R&D	1,639	
93.393	P GIN AND PANC CANCER (R03)	102466-00001 / NIH034 TUFTS UNIVERSITY	R&D	2,167	
93.393	BRCA2 MISSENSE MUTATIONS	UNI-18129402 MAYO CLINIC ROCHESTER	R&D	7,244	
93.393	SOCIAL NETWORK ASSESSMENT PROG	10183789901G1 MOFFITT CANCER CENTER	R&D	10,423	
93.393	MD ANDERSON SUB - COLORECTAL	SUB2158 MD ANDERSON CANCER CENTER	R&D	15,755	
93.393	PURDUE NCI SUBCONTRACT	11000720-012 (4102-81790) PURDUE UNIVERSITY	R&D	17,213	
93.393	GENOMIC AND TRANSCRIPTOMIC	GB10524 UNIVERSITY OF VIRGINIA	R&D	22,039	
93.393	CERVICAL CANCER	RS20152192-06 UNIVERSITY OF OKLAHOMA	R&D	23,643	
93.393	FINANCIAL INCENTIVES	RS20160790-05 UNIVERSITY OF OKLAHOMA	R&D	24,686	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.393	GERMLINE MULTIPLE MYELOMA	BD523231 MEMORIAL SLOAN-KETTERING CANCER CTR	R&D	32,754	
93.393	CONTROLLING ESOPHAGEAL CANCER	S(GG012814-01) COLUMBIA UNIVERSITY	R&D	35,096	
93.393	PATHOLOGICAL EPIDEMIOLOGY	0000813360 FRED HUTCHINSON CANCER RESEARCH CENTER	R&D	44,402	
93.393	COMPREHENSIVE EVALUATION	N006612801 UNIVERSITY OF MINNESOTA	R&D	53,487	
93.393	RAPID-PC	1557 G 2A332 PTE-441356 RJ 29590 UNIVERSITY OF CALIFORNIA LOS ANGELES	R&D	53,692	
93.393	R01-CA189184	SUB#835528 FRED HUTCHINSON CANCER RESEARCH CENTER	R&D	100,694	
93.393	BREAST CANCER COHORT	3(GG013725-01) / SAPO: G12765 COLUMBIA UNIVERSITY	R&D	142,259	
93.393	4DN TPA INITIATIVE	92275293 S9001779 UNIVERSITY OF CALIFORNIA SAN DIEGO	R&D	510,418	302,370
93.393	Cancer Cause and Prevention Research	VARIOUS	R&D	8,384,330	2,812,933
93.394	BIOMARKERS OF HORMONE THERAPY	71183210 UNIVERSITY OF SOUTHERN CALIFORNIA	R&D	6,266	
93.394	ULCERATIVE COLITIS	7/31/18UWSC9880 UNIVERSITY OF WASHINGTON	R&D	6,852	
93.394	SUBCON_FAJARDO-OKLAHOMA_2015	2016-45 UNIVERSITY OF OKLAHOMA	R&D	89,762	
93.394	EARLY DETECTION CANCER U01 SUB	00004322 MD ANDERSON CANCER CENTER	R&D	108,937	
93.394	Cancer Detection and Diagnosis Research	VARIOUS	R&D	2,687,262	340,990
93.395	13854- LAST	VARIOUS MEDICAL COLLEGE OF WISCONSIN	R&D	-2,427	
93.395	BIQSFP (NCTN) COG AALL1131	9500080216-S7 CHILDRENS HOSPITAL PHILADELPHIA	R&D	-233	
93.395	4D LUNG STEREOTAC RADIOTHERAPY	1600557/14431 UNIVERSITY OF MARYLAND BALTIMORE	R&D	273	
93.395	Meyers COG NCTN Supp (Surgery)	VARIOUS CHILDRENS HOSPITAL PHILADELPHIA	R&D	5,325	
93.395	A PHASE III MULTICENTER RANDOMIZED TRIAL OF SENTINAL LYM	CA29605 JOHN WYNE CNCR INST@ST JHN'S HLTH CR CTR	R&D	9,502	
93.395	13854-LAST - Y4	PO# MEDICAL COLLEGE OF WISCONSIN	R&D	11,748	
93.395	SCHIFFMAN_PEEL THERAPEUTICS	10052250 PEEL THERAPEUTICS	R&D	12,299	
93.395	13854-LAST - Y5	5R01CA184798-05 MEDICAL COLLEGE OF WISCONSIN	R&D	12,736	
93.395	POST-POLYPECTOMY SURVEILLANCE	09560001-320349 VETERANS MEDICAL RESEARCH FOUNDATION	R&D	23,226	
93.395	ECOG-ACRIN FOUNDATION SUB	U10CA18082002UTAH1 ECOG-ACRIN MEDICAL RESEARCH FDTN	R&D	26,171	
93.395	SCI. LEADERSHIP U10CA180886	9500080217-06C CHILDRENS HOSPITAL PHILADELPHIA	R&D	27,622	
93.395	SWOG NCORP - PI SUPPORT	1005019 UUT OREGON HEALTH & SCIENCE UNIVERSITY	R&D	28,652	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.395	BMX-HGG-001	00062660 BIOMIMETIX JV LLC	R&D	35,375	
93.395	COG RARE TUMOR 2016-2017	10045310 CHILDRENS HOSPITAL PHILADELPHIA	R&D	35,563	
93.395	MATSEN CCDR PILOT JUNE2018	UTT-194321 PO#66186213 MAYO CLINIC ROCHESTER	R&D	70,780	
93.395	WHITE MATTER TOXICITY IN PEDS	R01 CA221197 BAYLOR COLLEGE OF MEDICINE	R&D	70,813	
93.395	MHEALTH DATA	SUBK00008225 UNIVERSITY OF MICHIGAN	R&D	121,249	
93.395	THERA TARGET STTR SUBAWARD	10044354 THERA TARGET INC	R&D	162,902	22,888
93.395	11.15.17_WUSTL_SUBCONTRACT	WU-19-77 WASHINGTON UNIVERSITY IN ST LOUIS	R&D	200,770	
93.395	MECHANISTIC STUDY OF ANTITUMOR	745001 PROTEOGENOMICS RESH INST FOR SYS MED	R&D	207,241	
93.395	Cancer Treatment Research	VARIOUS	R&D	4,264,011	461,224
93.396	PROTEOME SAMPLE PREPARATION	VARIOUS SONATA BIOSCIENCES INCE	R&D	-900	
93.396	VIS ANALYSIS LRG PAT COHORTS	152454.5097127.0103 HARVARD UNIVERSITY	R&D	40,859	
93.396	U01 SCREEN DETECTED LESIONS	PO#3001052861 SUB00003640 MD ANDERSON CANCER CENTER	R&D	55,320	
93.396	Cancer Biology Research	VARIOUS	R&D	4,039,138	173,278
93.397	ASU (ACE)-SUBCONTRACT	ASUB00000013 ARIZONA STATE UNIVERSITY	R&D	348,143	
93.397	COHEN_SUB_CITY OF HOPE_U54	60600.2004495-4500.669301 CITY OF HOPE NATIONAL MEDICAL CENTER	R&D	563,345	
93.397	Cancer Centers Support Grants	VARIOUS	R&D	3,679,304	58,616
93.398	Cancer Research Manpower	VARIOUS	R&D	1,791,418	
93.516	PUBLIC HEALTH TRAINING	FY15155004 UNIVERSITY OF COLORADO AT DENVER	R&D	20,601	
93.516	RM-PHTC	FY19.641.003/PTE.PRO.2-5-A6986 UNIVERSITY OF COLORADO AT DENVER	R&D	96,203	
93.732	Mental and Behavioral Health Education and Training Grants	VARIOUS	R&D	239,281	
93.823	Ebola Support: Transmission and Prevention Control, Public Health Preparedness, Vaccine Development	VARIOUS	R&D	475,450	127,773
93.837	ELECTROPHYS EFFECTS OF NEURAL	1553GQD960 UNIVERSITY OF CALIFORNIA LOS ANGELES	R&D	-5,380	
93.837	READMISSION	KEY1795-02 NORTHERN CALIFORNIA INST RESH & EDUC	R&D	-3,820	
93.837	CASPER EMORY R34 SUB 2014	T397320 EMORY UNIVERSITY	R&D	-707	
93.837	CVDC POSTDOC SUPPORT	CVDC PROJECT 138275 FELLOW CINCINNATI CHILDRENS HOSPITAL MED CTR	R&D	-295	
93.837	MEDFOCUS	W000709492 UNIVERSITY OF IOWA	R&D	-35	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.837	GENOPHENO CARDIOMYOPATHY	WSU15061 WAYNE STATE UNIVERSITY	R&D	-31	
93.837	CHANGE IN ANESTHETIC/POSTOP	T688275 EMORY UNIVERSITY	R&D	-6	
93.837	HITCHCOCK SACHSE R56	GENFD0001170195 CHILDRENS HOSPITAL BOSTON	R&D	4	
93.837	PRECISION MED FOR CHEMO-RELAT	60064759 OHIO STATE UNIVERSITY RESEARCH FNDTN	R&D	18	
93.837	ALDOSTERONE DMD OHIO STATE SUB	60060457-60041988 OHIO STATE UNIVERSITY RESEARCH FNDTN	R&D	46	
93.837	HEART HEALTH CAPITATION	0214047 RTI INTERNATIONAL	R&D	58	58
93.837	MULTISCALE MODELING	5111704 UNIV OF NORTH CAROLINA AT CHAPEL HILL	R&D	943	
93.837	WRAP-IPF	9118SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	1,653	
93.837	FALD	U10HL068270 NEW ENGLAND RESEARCH INSTITUTES	R&D	3,805	
93.837	FRANKLIN R01SUB MOON/GEISINGER	696038UOU01 GEISINGER HEALTH SYSTEM	R&D	3,979	
93.837	BP AND KIDNEY FUNCTION	N006187431 (N006187407) UNIVERSITY OF MINNESOTA	R&D	4,387	
93.837	LIFE STUDY_HF	SITE #LF700 DUKE UNIVERSITY	R&D	5,331	
93.837	CIRT (CARDIO INFLAMMATION)	CIRT BRIGHAM & WOMENS HOSPITAL	R&D	5,417	
93.837	TRANSFORM-YALE (TRANSFER)	GR104852 (CON-80001540) YALE UNIVERSITY SCHOOL OF MEDICINE	R&D	5,980	
93.837	FUEL STUDY	10042330 NEW ENGLAND RESEARCH INSTITUTES	R&D	6,224	
93.837	NOVEL METHODS	569082 (559908) UNIVERSITY OF PENNSYLVANIA	R&D	6,709	
93.837	OXANDROLONE-PI	10052093 NEW ENGLAND RESEARCH INSTITUTES	R&D	10,543	
93.837	MCS-A-QOL	60043010 UTAH NORTHWESTERN UNIVERSITY	R&D	11,534	
93.837	MINICH PHN ASC CHAIR 2018	U2HL135691 NEW ENGLAND RESEARCH INC	R&D	15,746	
93.837	TRUONG PHN SCHOLAR FEB 2018	NIH U24HL135691 NEW ENGLAND RESEARCH INC	R&D	16,879	3,339
93.837	DEAN THAPCA CONT AUG 2016	3004153447 UNIVERSITY OF MICHIGAN	R&D	17,391	
93.837	EXTRACELLULAR SPACE	431976-19122 VIRGINIA POLYTECHNIC INSTITUTE & ST UNIV	R&D	18,686	
93.837	METABOLIC PATHWAYS	100035 JOSLIN DIABETES CENTER	R&D	19,983	
93.837	REDUCING SEDENTARY BEHAVIOR	0056306 (130264-1) UNIVERSITY OF PITTSBURGH	R&D	20,138	
93.837	MILLER PHN FEB 2018	U24HL135691 NEW ENGLAND RESEARCH INC	R&D	22,479	6,118
93.837	PCGC FIXED PRICE	SPR116595/138281 CINCINNATI CHILDRENS HOSPITAL MED CTR	R&D	22,802	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.837	LAMBERT T4G CHAIR FEB 2018	TEAM 4 GROWTH NEW ENGLAND RESEARCH INSTITUTES	R&D	22,814	
93.837	INVESTED SUBCONTRACT- BWH	U01HL130204 BRIGHAM & WOMENS HOSPITAL	R&D	28,375	
93.837	E-CHEM CATHETER PROJECT 2	3004342614 UNIVERSITY OF MICHIGAN	R&D	31,573	
93.837	RTI HEART HEALTH CR	13-312-0214047-52919 L RTI INTERNATIONAL	R&D	33,452	
93.837	NAVAJO NATION - ASTHMA	20112501A NATIONAL JEWISH HEALTH	R&D	36,403	
93.837	CHD BRAIN AND GENES	0138281 PCGC-PROTOCOL CINCINNATI CHILDRENS HOSPITAL MED CTR	R&D	41,235	
93.837	CHRONIC HYPERTENSION PREGNANCY	000503570009 UNIVERSITY OF ALABAMA	R&D	41,760	36,393
93.837	TAILORED MHEALTH	CNVA00056243 (130146-1) UNIVERSITY OF PITTSBURGH	R&D	59,995	
93.837	VASCULAR COUPLING DEVICE	10051191 MICROSURGICAL INNOVATIONS	R&D	62,662	
93.837	DO IT TRIAL, PHN	10045841 NEW ENGLAND RESEARCH INSTITUTES	R&D	65,821	
93.837	PETERSON - SUB - LONG QT	228707 MASSACHUSETTS GENERAL HOSPITAL	R&D	72,572	
93.837	FUEL EXTENSION TRIAL	10044713 NEW ENGLAND RESEARCH INSTITUTES	R&D	101,038	
93.837	CASPER UCD SUB FEB 2016	20162680-03 UNIVERSITY OF CALIFORNIA DAVIS	R&D	107,835	
93.837	R01 COLUMBIA SUB	1(GG011659) COLUMBIA UNIVERSITY	R&D	107,918	
93.837	HEMODYNAMIC ADAPTATION	000515877-001 UNIVERSITY OF ALABAMA	R&D	126,144	
93.837	CVDC UTAH GENOMIC DATA SHARING	138275 CVDC-DATA HUB CINCINNATI CHILDRENS HOSPITAL MED CTR	R&D	168,608	
93.837	REEDER CHOP CPCCRN SUB 2015	3200170321P0962194RSUB CHILDRENS HOSPITAL PHILADELPHIA	R&D	171,668	
93.837	INFORMATION EXTRACTION	R912 DARTMOUTH COLLEGE	R&D	178,015	
93.837	FCM FOR SURGARY BCH R01 SUB	GENFD0001319815 CHILDRENS HOSPITAL BOSTON	R&D	185,309	
93.837	PEDIATRIC TB	1079SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	203,250	
93.837	Cardiovascular Diseases Research	VARIOUS	R&D	12,229,614	560,864
93.838	TB MONITORING	10041714 NANOSYNTH MATERIALS AND SENSORS INC	R&D	-9,746	
93.838	NKOY UW SUB FEB 2017	UWSC917-BPO22453 UNIVERSITY OF WASHINGTON	R&D	-344	
93.838	OPTIMIZE-IP-12	11317SUB SEATTLE CHILDREN'S RESEARCH INSTITUTE	R&D	598	
93.838	WILLER CHOP SUB DEC 2018	3201160619 CHILDRENS HOSPITAL PHILADELPHIA	R&D	1,998	
93.838	HUFF CHOP SUB MAR 2019	ROUTE KEY 3201160619 CHILDRENS HOSPITAL PHILADELPHIA	R&D	1,998	
93.838	ALPS FOLLOW UP	2-AR-20 (1-AF-20) GEORGE WASHINGTON UNIVERSITY	R&D	9,597	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.838	SPIROMICS GIC SUPPORT	5111456 UNIV OF NORTH CAROLINA AT CHAPEL HILL	R&D	20,970	
93.838	FUNG NORTHWESTERN SUB NOV 2015	60044396 UU NORTHWESTERN UNIVERSITY	R&D	22,810	
93.838	PTC NEMO CLEANUP IPF	9012549(128373-10) UNIVERSITY OF PITTSBURGH	R&D	27,131	
93.838	PETAL	SUB10033029 INTERMOUNTAIN HEALTHCARE	R&D	43,500	
93.838	CASPER UOFA SUB JUNE 2017	474337 UNIVERSITY OF ARIZONA	R&D	52,808	
93.838	ROSE PETAL STUDY	VARIOUS INTERMOUNTAIN HEALTHCARE	R&D	55,873	
93.838	VIRGINIA SUB	FP00003678-SA004 VIRGINIA COMMONWEALTH UNIVERSITY	R&D	70,019	
93.838	STONE UOFW R01 SUB SEPT 2017	UWSC10605 BPO33124 UNIVERSITY OF WASHINGTON	R&D	125,617	
93.838	ALPS FOLLOW-UP STUDY	MFMU-ALPS FOLLOWUP GEORGE WASHINGTON UNIVERSITY	R&D	184,034	
93.838	SPIROMICS II	10461SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	406,933	
93.838	Lung Diseases Research	VARIOUS	R&D	1,627,916	94,968
93.839	THE CHEMISTRY AND BIOLOGY OF HEPARAN SULFATE	PT105889-SC102422 VIRGINIA COMMONWEALTH UNIVERSITY	R&D	126	
93.839	NMDP BMT-CTN 1202	U10HL069294 CHILDRENS HOSPITAL PHILADELPHIA	R&D	363	
93.839	COOK MCW U01 SUB 2018-2020	1U01HL143477-01 MEDICAL COLLEGE OF WISCONSIN	R&D	14,049	
93.839	ESTROGEN-MEDIATED MODULATOR	S00006 UNIVERSITY OF IOWA	R&D	367,834	
93.839	Blood Diseases and Resources Research	VARIOUS	R&D	2,200,344	145,560
93.846	VCRC 5563 CUTIS	572644 CUTIS UNIVERSITY OF PENNSYLVANIA	R&D	-11,980	
93.846	VCRC 5562 ARAMIS	572644-ARAMIS UNIVERSITY OF PENNSYLVANIA	R&D	-4,917	
93.846	INMAN DUKE SUB FEB 2018	A030247 DUKE UNIVERSITY	R&D	1,678	
93.846	VASCULAR GROWTH	RG760-G1 GEORGIA INSTITUTE OF TECHNOLOGY	R&D	12,122	
93.846	PROMIS	560224 UNIVERSITY OF PENNSYLVANIA	R&D	15,339	
93.846	HIGH-RISK PATIENTS WITH APS	001 HOSPITAL FOR SPECIAL SURGERY	R&D	45,998	
93.846	PSA- U PENN	572080 UNIVERSITY OF PENNSYLVANIA	R&D	48,071	
93.846	VCRC	572644 UNIVERSITY OF PENNSYLVANIA	R&D	69,428	
93.846	VASCULAR GROWTH	217180C UNIVERSITY OF OREGON	R&D	73,139	
93.846	Arthritis, Musculoskeletal and Skin Diseases Research	VARIOUS	R&D	1,804,400	77,079
93.847	POHL UOFI INSPPIRE 2 JUL 2017	S00546-01 (W000937002) UNIVERSITY OF IOWA	R&D	1,895	
93.847	PROJECT STUDY U01 SUBAWARD	1217929627 CONNECTICUT CHILDRENS MEDICAL CTR	R&D	6,557	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.847	PHOSPHATE AND FGF23 REDUCTION	60037997UU NORTHWESTERN UNIVERSITY	R&D	7,316	
93.847	GUTHERY FORCE STUDY 2017	VARIOUS ARBOR RESEARCH COLLABORATIVE FOR HEALTH	R&D	7,489	
93.847	ED-EMERGE FUNDED	UWSC9604-BPO20743 UNIVERSITY OF WASHINGTON	R&D	9,048	
93.847	CU NIH R21 SUBCONTRACT	FY19.344.001/PRO-25-A7271 UNIVERSITY OF COLORADO AT DENVER	R&D	11,033	
93.847	MYERS R21 SUB IOWA FEB2017	S00567-01 UNIVERSITY OF IOWA	R&D	12,137	
93.847	BOTKIN TIC CHICAGO SUB AWARD	FP068366-01 J UNIVERSITY OF CHICAGO	R&D	13,392	
93.847	ITCH AND IMAGINE WITH UOFM	SUBK00003799 UNIVERSITY OF MICHIGAN	R&D	16,175	
93.847	HILO	203-7932 DUKE CLINICAL RESEARCH INSTITUTE	R&D	17,655	
93.847	NOVEL KIDNEY INJURY TOOLS	2004017126 JOHNS HOPKINS HOSPITAL	R&D	18,524	
93.847	NAVIGEN SUB - SBIR PHASE 1	10047199 NAVIGEN	R&D	26,194	
93.847	METABOLOMICS AND GENOMICS	2003108669 JOHNS HOPKINS UNIVERSITY	R&D	27,231	
93.847	U MICH SUBCONTRACT (WRIGHT)	3004918540 UNIVERSITY OF MICHIGAN	R&D	36,861	
93.847	SURVIVAL SELECTION AND CARE	GB10510.157899 UNIVERSITY OF VIRGINIA	R&D	41,750	
93.847	GENE DISCOVERY IN DIABETIC CKD	32307-1 AUGUSTA UNIVERSITY	R&D	53,520	
93.847	FIRST STUDY	701K816 UNIVERSITY OF WISCONSIN-MADISON	R&D	54,330	4,000
93.847	STTR -DIABETES METAB. DISEASE	10043577 POTRERO HILL THERAPEUTICS	R&D	55,686	
93.847	GENETIC MODIFIERS OF IRON	20143114 UNIVERSITY OF CALIFORNIA IRVINE	R&D	58,344	
93.847	CASPER RIH SUB RESUB DEC 2016	701-7137304-1 RHODE ISLAND HOSPITAL	R&D	73,127	
93.847	PILOT & FEASIBILITY PROGRAM	WU13237PO2917459W WASHINGTON UNIVERSITY IN ST LOUIS	R&D	110,200	
93.847	HOTALING STREAMDX SEPT2016	10043586 STREAMDX INC	R&D	139,950	
93.847	EXOCRINE REGULATORS	150801 UNIV OF TEXAS SOUTHWESTERN MEDICAL CTR	R&D	149,086	
93.847	SUBSTTRPOTRERO-PHASE II	10051344 POTRERO HILL THERAPEUTICS	R&D	190,848	
93.847	RDCRC	025538374609 ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R&D	238,993	
93.847	PETERSON SUB - BLOCH	224717 MASSACHUSETTS GENERAL HOSPITAL	R&D	270,056	
93.847	Diabetes, Digestive, and Kidney Diseases Extramural Research	VARIOUS	R&D	12,013,059	1,043,808
93.853	NN105 - STAIR	NN105 MASSACHUSETTS GENERAL HOSPITAL	R&D	-6,903	
93.853	NEUROIMAGING BIOMARKER FOR ALS	3004281184 UNIVERSITY OF MICHIGAN	R&D	-224	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.853	SLEEP SMART	011337-135733 UNIVERSITY OF CINCINNATI	R&D	63	
93.853	ZIELINSKI UW MADISON SUB 2015	679K615 - 137943 - 17-8525 UNIVERSITY OF WISCONSIN-MADISON	R&D	596	
93.853	NN106 - CYTO-C	NN106 - CYTO-C MASSACHUSETTS GENERAL HOSPITAL	R&D	710	
93.853	SHINE	GC12107146770 UNIVERSITY OF VIRGINIA	R&D	2,625	
93.853	CREST-H	UTA-232483 MAYO CLINIC JACKSONVILLE	R&D	2,931	
93.853	FP066261	FP066261-E UNIVERSITY OF CHICAGO	R&D	3,386	
93.853	HOLSTI ESETT PK-PD MAR 2018	G012275.157195 UNIVERSITY OF VIRGINIA	R&D	3,549	
93.853	NN104-RHAPSODY	VARIOUS MASSACHUSETTS GENERAL HOSPITAL	R&D	6,844	
93.853	R22 MOST	011266-135733 UNIVERSITY OF CINCINNATI	R&D	8,288	
93.853	TRACK-TBI	9957SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	8,348	
93.853	STEADY-PD3	60036745UU NORTHWESTERN UNIVERSITY	R&D	8,571	
93.853	SALVO	REF #228383 MASSACHUSETTS GENERAL HOSPITAL	R&D	11,210	
93.853	PRETERM EPO NEUROPROTECTION	752218 UNIVERSITY OF WASHINGTON	R&D	12,799	
93.853	CREST-II	UOU-224063-01 MAYO CLINIC JACKSONVILLE	R&D	14,891	
93.853	HOUSTON METHODIST	AGMT00000658 HOUSTON METHODIST CANCER CENTER	R&D	15,955	
93.853	BRAIN VASCULAR MALFORMATION	8444SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	17,027	
93.853	FOR-DMD	527979 UNIVERSITY OF ROCHESTER	R&D	17,646	
93.853	CORE B U54 MGH114930	114930 BRIGHAM & WOMENS HOSPITAL	R&D	20,473	
93.853	BUTTERFIELD ROCHESTER SUB2018	417333/URFAO:GR 510789 UNIVERSITY OF ROCHESTER	R&D	28,867	
93.853	FOR DMD	417096/URFAO:GR510660 UNIVERSITY OF ROCHESTER	R&D	30,555	
93.853	ARCADIA	010785-135733 UNIVERSITY OF CINCINNATI	R&D	44,040	
93.853	SHUTTLEWORTH GRANT	3RDR7 UNIVERSITY OF NEW MEXICO	R&D	47,488	
93.853	NN103-RITUXIMAB IN MG	NN103 MASSACHUSETTS GENERAL HOSPITAL	R&D	49,492	
93.853	ACCELERATED ACHE REACTIVATORS	51953335 UNIVERSITY OF CALIFORNIA SAN DIEGO	R&D	50,024	
93.853	ESETT UOFVIRGNIA SUB AUG 2016	GB10094 157959 UNIVERSITY OF VIRGINIA	R&D	59,105	
93.853	SELP FOR EMOLIZATION OF ANEURY	R41NS100184 THERA TARGET INC	R&D	65,040	4,628
93.853	BASERGA HEAL RESUB SEPT 2015	9748SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	67,094	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.853	THORELL SCH SUB RESUB JUN 2017	11829SUB SEATTLE CHILDREN'S HOSPITAL	R&D	77,413	
93.853	EVAL OF LEAD ASDS	2R44NS097047-02 NEUROENE THERAPEUTICS	R&D	77,863	
93.853	WEISS SUB TO NATIONWIDE	970614 RESH INST AT NATIONWIDE CHLDRNS HOSP	R&D	84,577	
93.853	Project 2 U54 MGH114928	114928 BRIGHAM & WOMENS HOSPITAL	R&D	84,616	
93.853	ANTICONVULSANT SCREENING	230537 MASSACHUSETTS GENERAL HOSPITAL	R&D	107,823	
93.853	HARVARD SUB - DOUGLASS	138078-5105159 HARVARD UNIVERSITY	R&D	113,010	
93.853	AUDITORY NERVE IMPLANT	A006795101 UNIVERSITY OF MINNESOTA	R&D	153,354	
93.853	BIOMARKERS FOR EPILEPTOGENESIS	223171 MASSACHUSETTS GENERAL HOSPITAL	R&D	174,676	
93.853	CENTRAL THALAMIC TRACT	184028-04 170541-04 [15101628-04] WEILL CORNELL MEDICAL COLLEGE	R&D	237,284	
93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	VARIOUS	R&D	11,504,797	957,652
93.855	SHIGA TOXINS	VARIOUS NAVIGEN	R&D	-75	
93.855	SBIR CRS	VARIOUS GLYCOMIRA LLC	R&D	1,394	
93.855	RADICAL IIA	6863RADICALS IIA DUKE CLINICAL RESEARCH INSTITUTE	R&D	4,183	
93.855	IMMUNE TOLERANCE NETWORK	FY14ITN018 BENAROYA RESEARCH INSTITUTE	R&D	6,436	
93.855	SHYR/CHEN UCSF SUB PITDC 2017	9858SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	9,600	
93.855	RITUXIMAB FOR TREATMENT OF SSC	9295SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	15,941	
93.855	RTB-004	10050996 BRIGHAM & WOMENS HOSPITAL	R&D	17,702	
93.855	D-PEPTIDE RSV	10043348 NAVIGEN	R&D	29,940	
93.855	ARLG SUBCOMMITTEE	2038233 PTE UM1AI104681 DUKE UNIVERSITY	R&D	31,443	
93.855	FAMILY OF COMPOUNDS	17-M32 GEORGE WASHINGTON UNIVERSITY	R&D	35,159	
93.855	ANTI IL5 AND CHURG STRAUSS SYN	20083701 NATIONAL JEWISH HEALTH	R&D	56,906	
93.855	COFACTORS FOR TAT FUNCTION	GM0150311 UNIV OF TEXAS SOUTHWESTERN MEDICAL CTR	R&D	61,861	
93.855	ICPR SUBCONTRACT	16-A0-00-007002-01 NEW YORK UNIVERSITY	R&D	85,295	
93.855	B-CELL IMMUNE RESPONSE	2301GVE795 UNIVERSITY OF CALIFORNIA LOS ANGELES	R&D	115,978	
93.855	AMPOFO VANDERBILT SUB RESUB	VUMC61446 VANDERBILT UNIVERSITY	R&D	138,603	
93.855	BLASCHKE BIOFIRE SUB JUNE 2014	10035912 BIOFIRE DIAGNOSTICS INC	R&D	139,188	
93.855	UM1 WITH U PENN- PLANELLES	25281-08-324 THE WISTAR INSTITUTE	R&D	140,546	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.855	EMORY U19 SUB - ANTIA	T813799 EMORY UNIVERSITY	R&D	144,053	
93.855	NOTRE DAME SUBCONTRACT (BAKER	202980UU UNIVERSITY OF NOTRE DAME	R&D	145,192	
93.855	GLYCOMIRA SUB	10049369 GLYCOMIRA LLC	R&D	216,019	
93.855	SMAC MIMETICS	5956012798UTAH SANFORD-BURNHAM MEDICAL RESEARCH INST	R&D	230,941	
93.855	Allergy and Infectious Diseases Research	VARIOUS	R&D	9,021,130	659,175
93.859	ELDE SUB TO CORNELL	84934-11054 CORNELL UNIVERSITY	R&D	-2,332	
93.859	OPEN KNEES	400SUB CLEVELAND CLINIC FOUNDATION	R&D	-598	
93.859	UVA SUB - VIRAL ASSEMBLY	GB10602.160386 UNIVERSITY OF VIRGINIA	R&D	28,410	
93.859	HOLUBKOV SEPSIS R01 WASHU SUB	WU1685P02928460A WASHINGTON UNIVERSITY IN ST LOUIS	R&D	41,480	
93.859	FOX CHASE SUBCONTRACT	FCCC 15107-01 FOX CHASE CANCER CENTER	R&D	83,063	
93.859	Biomedical Research and Research Training	VARIOUS	R&D	26,887,985	4,933,268
93.865	HYDROCORTISONE SURVIAL W/O BD	10041403 RTI INTERNATIONAL	R&D	-15,018	
93.865	MOMPOD CAP	5107013 UNIV OF NORTH CAROLINA AT CHAPEL HILL	R&D	-10,564	
93.865	NECROTIZING ENTEROCOLITIS NEST	VARIOUS RTI INTERNATIONAL	R&D	-4,919	
93.865	EARLY-ONSET NEONATAL SEPSIS	VARIOUS RTI INTERNATIONAL	R&D	-4,079	
93.865	INDOMETHACIN PK	UOSPC 1396 SUB 16-037 UNIVERSITY OF TEXAS MEDICAL BRANCH	R&D	-3,801	
93.865	BIOPIC	FWA00003745 DUKE UNIVERSITY	R&D	491	
93.865	TRANSFUSION OF PREMATURES-TOP	VARIOUS RTI INTERNATIONAL	R&D	773	
93.865	RMN PROTOCOLS	M16A12517 (A10541) YALE UNIVERSITY	R&D	1,639	
93.865	NBS IN SMA - SUBSITE	226192 MASSACHUSETTS GENERAL HOSPITAL	R&D	2,456	
93.865	HIP TRIAL 2016-2017	VUMC 53375 VANDERBILT UNIVERSITY MEDICAL CENTER	R&D	5,025	
93.865	CASPER-PROBIOTICS SUBCONTRACT	WU14260 WASHINGTON UNIVERSITY IN ST LOUIS	R&D	5,279	
93.865	PREMOD2	R012017UTAH SHARP HEALTHCARE FOUNDATION	R&D	5,843	
93.865	HYPOTHERMIA FOR ENCEPHALOPATHY	10041405 RTI INTERNATIONAL	R&D	7,866	
93.865	TRUONG UCSD SUB DEC 2017	97711559(PO#S9001887) UNIVERSITY OF CALIFORNIA SAN DIEGO	R&D	8,059	
93.865	MOMPOD CR	5106230 UNIV OF NORTH CAROLINA AT CHAPEL HILL	R&D	10,619	
93.865	GENERIC DATA BASE STUDY (GDB)	VARIOUS RTI INTERNATIONAL	R&D	12,511	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.865	REACT PILOT GRANT	000509380-SP004-007 UNIVERSITY OF ALABAMA AT BIRMINGHAM	R&D	12,635	
93.865	THERAPEUTICS FOR BONE LOSS	VARIOUS NANOMEDIC INC	R&D	13,674	
93.865	HERMAN PENN STATE SUB NOV 2015	Various PENNSYLVANIA STATE UNIVERSITY	R&D	15,866	
93.865	YODER NRN FOLLOW-UP JUNE 2016	10042856 RTI INTERNATIONAL	R&D	16,665	
93.865	COOK CHOP SEPT 2016	3200720719 CHILDRENS HOSPITAL PHILADELPHIA	R&D	17,869	
93.865	FELDKAMP MSSM SUB AUG 2017	0254-3544-4609 ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R&D	19,556	
93.865	PHACS SUBCONTRACT	TULHSC4671314 TULANE UNIVERSITY	R&D	20,555	
93.865	RELATIONSHIPS, AGE, AND HEALTH	GB 10584.159359 UNIVERSITY OF VIRGINIA	R&D	24,729	
93.865	MINVI	M-R012018 UTAH SHARP HEALTHCARE FOUNDATION	R&D	36,529	
93.865	REPRODUCTIVE MEDICINES NETWORK	9038SC UNIVERSITY OF CALIFORNIA SAN FRANCISCO	R&D	39,130	
93.865	MEG IN PEDIATRIC TBI	100508302 MP-INV-59001897 UNIVERSITY OF CALIFORNIA SAN DIEGO	R&D	51,414	
93.865	CASPER CNMC SUB OCT 2017	30004942-11 CHILDREN'S NATIONAL MEDICAL CENTER	R&D	61,063	
93.865	SPERM SAMPLE PREPARATION	1R44HD095355-01 NANONC INC	R&D	67,034	
93.865	MFMU STUDY PROTOCOLS	21050 GEORGE WASHINGTON UNIVERSITY	R&D	81,679	123,751
93.865	MIOS	700017-1118-00 RESH INST AT NATIONWIDE CHLDRNS HOSP	R&D	87,418	
93.865	CASPER MCW SUB RESUB JAN 2017	1R01HD091302 MEDICAL COLLEGE OF WISCONSIN	R&D	115,145	
93.865	GRUBB VU SUB JULY 2017	VUMC63064 VANDERBILT UNIVERSITY MEDICAL CENTER	R&D	115,510	
93.865	U01 ON DEMAND CONTRACEPTION	789K740 UNIVERSITY OF WISCONSIN-MILWAUKEE	R&D	139,982	59,675
93.865	Holubkov LAPSE DCC	11449SUB SEATTLE CHILDREN'S HOSPITAL	R&D	151,532	
93.865	NOVEL THERAPEUTICS	OSP2018139 UNIVERSITY OF MASSACHUSETTS	R&D	163,477	
93.865	GLISSMEYER BIOSIG II JAN 2017	3004685885 UNIVERSITY OF MICHIGAN	R&D	164,137	
93.865	MANN OHSU SUB JAN 2017	1009131 UUT OREGON HEALTH & SCIENCE UNIVERSITY	R&D	170,172	
93.865	COOK NWU SUB FEB 2016	60046347 UTAH NORTHWESTERN UNIVERSITY	R&D	202,540	
93.865	COOK/SZADKOWSKI RINCH SUB 2/17	700171-0719-00 RESH INST AT NATIONWIDE CHLDRNS HOSP	R&D	273,207	
93.865	HUMAN PLACENTAL STRUCTURE	1007823 UTAH OREGON HEALTH & SCIENCE UNIVERSITY	R&D	354,625	
93.865	Child Health and Human Development Extramural Research	VARIOUS	R&D	10,464,861	1,488,248

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.866	GUTHERY GROWTH STUDY SEPT 2016	16091646 WEILL CORNELL MEDICAL COLLEGE	R&D	4,396	
93.866	N-TA3CT	3653602141001/3653602141109 UNIVERSITY OF NEBRASKA MEDICAL CENTER	R&D	7,878	
93.866	U01AG012546_SWAN V (SUB K)	0040409 (127555-1) UNIVERSITY OF PITTSBURGH	R&D	9,557	
93.866	FRAILTY	16-M121 GEORGE WASHINGTON UNIVERSITY	R&D	13,762	
93.866	WEISENBACH NICOTINE STUDY	93026191 UNIVERSITY OF SOUTHERN CALIFORNIA	R&D	16,391	
93.866	CLEVELAND CLINIC SUB - R21	907-SUB CLEVELAND CLINIC FOUNDATION	R&D	17,431	
93.866	SEX DIFFERENCES IN HEALTH	203-5780 DUKE UNIVERSITY	R&D	28,828	
93.866	SPECTORX	OSP2018107/PO#WA00740129 UNIVERSITY OF MASSACHUSETTS	R&D	33,160	
93.866	IDENTIFICATION OF SENOLYTICS	10052173 RECURSION PHARMACEUTICALS LLC	R&D	41,203	
93.866	R43 MELIORIX SUBCONTRACT	SUB AWARD 38 ELIMU THERPEUTICS INC	R&D	60,320	
93.866	MEMORY CARE PARTNER PHASE 2	10043637 PAMS INC	R&D	67,099	
93.866	SPRINT ASK	WFUHS 115478 WAKE FOREST UNIVERSITY	R&D	94,256	56,680
93.866	KEEPS CONTINUATION (MAYO SUB)	UNI-234899 MAYO CLINIC ROCHESTER	R&D	101,828	
93.866	DEMENTIA SYSTEM MANAGEMENT	F0452-02 NEW YORK UNIVERSITY	R&D	130,373	
93.866	ALZHEIMER'S DISEASE BYU	16-0484 BRIGHAM YOUNG UNIVERSITY	R&D	320,178	
93.866	Aging Research	VARIOUS	R&D	4,916,403	414,060
93.867	G-ROP	3209850813 CHILDRENS HOSPITAL PHILADELPHIA	R&D	-6,468	
93.867	ZOSTER EYE DISEASE STUDY	1U1OEY026869-1 NYU LANGONE MEDICAL CENTER	R&D	1,692	
93.867	META-MUST	025577114609 ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R&D	6,156	
93.867	PHASE 1 ROP	U10EY011751 JAEB CENTER FOR HEALTH RESEARCH	R&D	22,420	
93.867	AREDS2-10YR FOLLOW-ON	AREDS 2 EMMES CORP	R&D	27,450	
93.867	META-MUST POINT/MERIT TRIALS	2002459427 JOHNS HOPKINS UNIVERSITY	R&D	31,455	
93.867	POSTERIOR CAPSULE OPACIFIC.	1011464-UUT OREGON HEALTH & SCIENCE UNIVERSITY	R&D	31,461	
93.867	MAB21L IN EYE DEVELOPMENT	01R01EY025718 MEDICAL COLLEGE OF WISCONSIN	R&D	36,544	
93.867	OCT IN HIE INFANTS	A030429 DUKE UNIVERSITY	R&D	46,696	
93.867	DIETARY FACTORS-RETINAL AGING	1013001-UUT OREGON HEALTH & SCIENCE UNIVERSITY	R&D	65,848	
93.867	CONNECTOMES & COMP MODELS	100595816 UNIVERSITY OF SOUTHERN CALIFORNIA	R&D	118,656	
93.867	Vision Research	VARIOUS	R&D	8,831,678	43,265

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UNIVERSITY OF UTAH					
93.879	RIGHT PLACE, RIGHT TIME	VARIOUS SAINT ALPHONSUS RMC BOISE	R&D	-2,127	
93.879	QUANTIFYING SYSTEM	2035841 DUKE UNIVERSITY	R&D	25,217	
93.879	NEIGHBORHOOD LOOKING GLASS	65585-Z0149202 UNIVERSITY OF MARYLAND	R&D	85,419	
93.879	Medical Library Assistance	VARIOUS	R&D	2,848,687	583,921
93.882	High Impact Pilot Awards	VARIOUS	R&D	-4,647	
93.898	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations	VARIOUS	R&D	318,800	
93.918	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease	VARIOUS	R&D	825,666	
93.969	PPHF Geriatric Education Centers	VARIOUS	R&D	786,742	214,958
93.989	International Research and Research Training	VARIOUS	R&D	1,187,042	340,350
94	PAY FOR SUCCESS	VARIOUS PLANNED PARENTHOOD ASSOCIATION OF UTAH	R&D	-11,137	
94.024	SOCIAL FINANCE COST SHARE	10049772 SOCIAL FINANCE	R&D	50,540	50,540
94.024	Social Innovation Fund Pay for Success	VARIOUS		514,151	36,239
97	Department of Homeland Security	VARIOUS	R&D	682,781	
97.077	Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies Related to Nuclear Threat Detection	VARIOUS	R&D	383,369	
98	U.S. Agency for International Development	VARIOUS	R&D	2,182	
98	U.S. Agency for International Development	VARIOUS		2,369,809	592,338
98.001	DRINKING WATER IN PAKISTAN	2000008307 NATIONAL ACADEMY OF SCIENCES	R&D	69,895	
		Subtotal – University Of Utah		390,348,956	39,585,444
UTAH COMMUNICATION AUTHORITY					
11.549	State and Local Implementation Grant Program	VARIOUS		230,190	
		Subtotal – Utah Communication Authority		230,190	
UTAH STATE UNIVERSITY					
10	Department of Agriculture	VARIOUS	R&D	16,584	
10	TCN Manti-LaSal RAP 2017	17-PA-11041000-020 The Corps Network		22,788	
10	THE CORPS NETWORK - USFS RAP 2	17-PA-11046000-008 The Corps Network		55,345	
10	Department of Agriculture	VARIOUS		194,628	
10	Department of Agriculture	VARIOUS	R&D	499,052	
10.001	Agricultural Research_Basic and Applied Research	VARIOUS		22,289	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
10.001	WF-2315 Impacts of organosilic	58-6404-3-010 American Honey Producers Association	R&D	25,049	
10.001	Agricultural Research_Basic and Applied Research	VARIOUS	R&D	337,460	
10.025	Plant and Animal Disease, Pest Control, and Animal Care	VARIOUS		137,000	
10.025	Plant and Animal Disease, Pest Control, and Animal Care	VARIOUS	R&D	296,905	
10.028	Wildlife Services	VARIOUS	R&D	66,719	
10.168	Farmers' Market and Local Food Promotion Program	VARIOUS		48,570	179
10.202	Cooperative Forestry Research	VARIOUS	R&D	178,752	
10.203	Payments to Agricultural Experiment Stations Under the Hatch Act	VARIOUS	R&D	2,286,342	
10.207	Animal Health and Disease Research	VARIOUS	R&D	14,513	
10.212	A Novel Thermo-Time Domain Ref	2018-33610-28543 Acclima	R&D	11,587	
10.215	Promoting crop diversification	G223-19-W7502 Montana State University	R&D	287	
10.215	Management strategies for Toma	G219-19-W7502 Montana State University	R&D	1,065	
10.215	Utah Western SARE PDP State Pr	G158-19-W7506 Montana State University		1,975	
10.215	Sustainable Agriculture Research and Education	VARIOUS		242,296	329,748
10.215	Sustainable Agriculture Research and Education	VARIOUS	R&D	5,146,686	4,191,809
10.303	Reestablishing IPM recommendat	2015-70005-24060 University of Arizona	R&D	10,990	
10.303	Integrated Programs	VARIOUS	R&D	410,439	10,873
10.304	Utah Plant Pest Diagnostic Lab	201603796-06 Regents of the University of California		19,154	
10.307	Breeding and Agonomy of Quinoa	128314 G003756 Washington State University	R&D	44,659	
10.307	Organic Agriculture Research and Extension Initiative	VARIOUS	R&D	564,550	140,450
10.309	Optimizing the cost-effectiven	SUB00001765 UGA Research Foundation, Inc.	R&D	18,455	
10.309	Accelerating the development,	79611-10751 Cornell University	R&D	39,777	
10.309	Management of Brown Marmorated	2017-0398-04 North Carolina State University	R&D	54,240	
10.309	Design and Delivery of Therape	S-000963 University of Riverside	R&D	88,456	
10.310	Sustainable Rural Development	UNR-17-54 University of Nevada at Reno	R&D	10,711	
10.310	Ipipe Commodity Program	2012-0097-07 Integrated Pest Management (IPM)	R&D	34,038	
10.310	Weaving Waters Through Dry Lan	2015-69007-23190 SUB:UNR-15-68 University of Nevada at Reno	R&D	62,780	
10.310	RANCHING, RANGELANDS, AND RESI	1556406 University of Colorado at Boulder	R&D	97,926	
10.310	Agriculture and Food Research Initiative (AFRI)	VARIOUS		187,177	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
10.310	Agriculture and Food Research Initiative (AFRI)	VARIOUS	R&D	1,926,493	328,245
10.311	Beginning Farmer and Rancher Development Program	VARIOUS		260,079	219,743
10.319	NORTHERN PLAINS REGIONAL FARM	25-6324-0163-006 University of Nebraska	R&D	50,290	
10.329	Integrated pest management str	SA18-4060-08 University of California at ANR	R&D	188	
10.329	An integrated weed management	SA14-2309-43 University of California at ANR	R&D	27,362	
10.329	Developing innovative IPM tact	C00059074-1 University of Missouri at Columbia	R&D	30,471	
10.329	Crop Protection and Pest Management Competitive Grants Program	VARIOUS		107,137	
10.330	Developing an attractant for L	203224USU University of Notre Dame	R&D	3,028	
10.330	Overhauling alfalva weevil man	376429 University of Arizona	R&D	23,199	
10.330	Alfalfa and Forage Research Program	VARIOUS	R&D	105,112	65,037
10.336	Veterinary Services Grant Program	VARIOUS	R&D	32,481	
10.443	Western Region American Indian	UNR 17-27 University of Nevada at Reno		5,108	
10.458	Managing Risk on Utah's Farms	Various Custom Ag Solutions, Inc. (CAS, Inc.)	R&D	9,547	9,547
10.458	Managing Risk on Utah's Farms	Various Custom Ag Solutions, Inc. (CAS, Inc.)	R&D	17,663	
10.458	Crop Insurance Education in Targeted States	VARIOUS	R&D	41,053	8,548
10.460	Risk Management Education Partnerships	VARIOUS		192,353	
10.500	Risk and Profitability in Beef	134194 G004016 Washington State University	R&D	1,240	
10.500	Risk Management Education for	134194-G004010 Washington State University		1,909	
10.500	Davis County 4-H Take Flight D	S19158 Kansas State University		2,099	
10.500	4-H Air Force Dependent Summer	S18141 Kansas State University		4,566	
10.500	USDA UV-B Monitoring	Various Colorado State University	R&D	6,380	
10.500	USU Extension 4-H Military Par	S19070 Kansas State University		7,559	
10.500	4-H Military Partnership 2017	S17125.01 Kansas State University		11,502	
10.500	Enhancing Direct Market Fresh	108815-G003712 Washington State University		28,068	
10.500	Cooperative Extension Service	VARIOUS	R&D	95,156	-48,000
10.500	Cooperative Extension Service	VARIOUS		3,084,556	40,166
10.652	Forestry Research	VARIOUS		11,804	
10.652	Forestry Research	VARIOUS	R&D	46,010	
10.674	Wood Utilization Assistance	VARIOUS		6,655	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
10.680	Forest Health Protection	VARIOUS	R&D	28,536	
10.683	NFWF Temple Fork 2018	2100.17.055122 National Fish and Wildlife Foundation		26,039	
10.693	Watershed Restoration and Enhancement Agreement Authority	VARIOUS	R&D	7,705	
10.699	Partnership Agreements	VARIOUS		29,612	
10.699	Partnership Agreements	VARIOUS	R&D	196,284	
10.855	Distance Learning and Telemedicine Loans and Grants	VARIOUS		515,148	
10.902	Beaver-Assisted Restoration &	Various Pheasants Forever, Inc.	R&D	8,614	
10.902	Sagebrush Ecosystem Alliance	68-3A75-16-736 Pheasants Forever, Inc.	R&D	83,408	
10.902	Beaver-Assisted Restoration &	Various Pheasants Forever, Inc.		168,793	
10.912	Environmental Quality Incentives Program	VARIOUS	R&D	1,558	
11	Department of Commerce	VARIOUS	R&D	35,713	
11	National Mesonet Program	S2017-0132 Synoptic Data Corp.		59,247	
12	Volume Charge Distribution Mea	Various Box Elder Innovations, LLC	R&D	-13,632	
12	SSUSI Contaminat Measures	PO 126246/N00024-13-D-6400 The Johns Hopkins University Applied Phys Lab	R&D	-898	
12	GNSU Board	21056.1 / N6893616D0016 Jacobs Technology, Inc.	R&D	-723	
12	Topside Sounder Phase II	120-02/FA9453-13-C-0106 Atmospheric & Space Technolgy Research Assocociates, LLC	R&D	43	
12	SRC Agile HPC Flight Test	Letter Sub SCRS00601 / FA8650-13-C-1536 SRC, Inc.	R&D	46	
12	SPIRITT FOC	PO S12CNH216 / SPO700-99-D-0301 Sierra Nevada Corporation	R&D	72	
12	SYERS Maritime PM	Letter Subcontract RCD-012-040 UTC Aerospace Systems	R&D	281	
12	Trident Spectre RASAR Dat	391767/N00173-12-D-2023 Exelis, Inc.	R&D	285	
12	AIRWASP	PO SCD040502/FA8750-12-C-0124 SRC, Inc.	R&D	390	
12	HESM	4200951830/N00014-14-C-0083 Raytheon Corp General	R&D	733	
12	Holographic Phase II	Subcontract TSC-1041-41055 / D13PC00044 Technology Service Corporation	R&D	855	
12	Automatic Target Recognition	PO S12CNH171 / FA8750-11-C-0252 Sierra Nevada Corporation	R&D	941	
12	L3 CSW DARPA Guantlet	4500167482 L-3 Communications - Communication Systems West Division	R&D	1,524	
12	GOODRICH Sky Lynx	10171473/FA8527-08-D-0008-0028 UTC Aerospace Systems	R&D	1,619	
12	SCHEMA TO1-H434	BOA001-3017-04, SDL-D001 Metatech Corporation	R&D	1,995	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
12	SRC Agile HPC Flight Test	SCRS01001/FA8750-15-C-0008 SRC, Inc.	R&D	2,061	
12	ATAA Engineering	SDL11-100 / FA9453-12-D-0285 TO 11 ATA Aerospace	R&D	2,411	
12	NCPC	45732-Z9085201 University of Maryland	R&D	3,029	
12	DCGS-N Block 2 CANES	PO 41-1018184 / 10-D-7210-DO23 BAE Systems	R&D	4,409	
12	Wind Turbine Phase II	TSC-1100-33006/N68335-15-C-0176 Technology Service Corporation	R&D	5,605	5,605
12	MicroMAS2 On-Orbit Op Sup	7000416856 MIT-Massachusetts Institute of Technology	R&D	6,855	
12	SATCOM	PO-0003348 / W15P7T-13-D-0026 Aberdeen Proving Ground	R&D	7,470	
12	Gryphon Security Support	SDL10-100 / FA9453-12-D-0285 TO 10 ATA Aerospace	R&D	8,019	
12	WH-480 - Revision and Review o	MSA 19S23530AU22 - PO 111302 AECOM Technical Services, Inc.	R&D	8,614	
12	Damage Prediction of Composite	FFP-USU-GEM-081517 Global Engineering and Materials, Inc.	R&D	9,185	
12	Peregrine	PO 4201443453 and PO 4201455979 / FA945 Raytheon Corp General	R&D	10,162	
12	TSC HPRF Phase II	Subcontract TSC-1169-60077 / FA8650-18-C- Technology Service Corporation	R&D	12,261	
12	SEOPS Support	01-20190328 SEOPS, LLC	R&D	12,374	
12	Benchmark Simulations of Impro	18-7900-0003-02-C9 TO# 0003 Universal Technology Corporation (UTC)	R&D	13,391	
12	NAVFAC Manual Update--Chapter-	418357-19138 Virigina Tech Polytechnic Institute and State University		14,443	
12	GH MS-177A Sensor Integration	PO 2962894 /FA8620-15-D-3009/TO FA8620- Northrop Grumman	R&D	15,267	
12	2019 AFRL University Design Ch	TSC-1191-60000 Technology Services Corporation		20,183	
12	P5 ADIU	1038-05-13-01 / N68936-16-D-0016 Jacobs Technology, Inc.	R&D	25,000	25,000
12	Elecrton-Emitting graphene bas	SC-2174-6777 Faraday Technology, Inc.	R&D	25,954	
12	Yellow Jacket	D8537-S1 / HQ0147-16-D-0001/HQ014718F0 Georgia Institute of Technology	R&D	29,582	
12	PXI TO1 Blue Marlin	PO SC20190009 / Prime N00173-16-F-6402 Praxis, Inc.	R&D	30,200	
12	DCGS-N Help Desk	Subcontract 1018440 / Prime 16-D-7322 BAE Systems	R&D	34,482	
12	Laboratory Testing Services fo	Various Gannett Fleming, Inc.	R&D	35,052	
12	MEI REBEL Phase 2	PO 2016-0015 RLS 5 / NNA10DF16B Millennium Engineering and Integration Company	R&D	49,571	
12	Wind Turbine Phase II	TSC-1100-33006/N68335-15-C-0176 Technology Service Corporation	R&D	58,880	
12	Volume Charge Distribution Mea	Various Box Elder Innovations, LLC	R&D	64,601	
12	SETAS Order 0016	19S-0155 / Prime W9113M-19-F-0016 Radiance Technologies, Inc.	R&D	84,877	
12	Distributed Signal Processing	H98230-18-C-0172 Maryland Procurement Office	R&D	88,739	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
12	NadirSAR Phase II	TSC NadirSAR Phase II Letter Sub / W56KGU Technology Service Corporation	R&D	98,929	
12	BBAC - Praxis	PO PO20190001 / N00173-16-F-6402 Praxis, Inc.	R&D	110,000	
12	GNSU Rebuild	SIS180377 Jacobs Technology, Inc.	R&D	110,349	
12	AFRL-Subject Matter Expert: Mo	18-S8401-12-C1 Universal Technology Corporation (UTC)	R&D	144,841	
12	Raytheon GSMP	4201567976 / FA8620-15-D-3009 Raytheon Corp General	R&D	182,632	
12	HX5 INL Support	USU-17-D-0005 / FA8622-15-F-8111 HX5 LLC	R&D	350,397	
12	DI2E E21A	S901059BAH / FA8750-17-F-0105 Booz Allen Hamilton, Inc.	R&D	355,100	
12	C-UUV Silkworm Yarn Developmen	SUB1138235 TO001 Serco, Inc.	R&D	780,356	
12	P5 ADIU	1038-05-13-01 / N68936-16-D-0016 Jacobs Technology, Inc.	R&D	1,228,524	
12	Department of Defense	VARIOUS	R&D	138,634,310	28,474,304
12.300	Basic and Applied Scientific Research	VARIOUS	R&D	863,693	182,673
12.431	Basic Scientific Research	VARIOUS	R&D	93,459	
12.630	Basic, Applied, and Advanced Research in Science and Engineering	VARIOUS	R&D	2,822	
12.800	Air Force Defense Research Sciences Program	VARIOUS	R&D	165,785	
14.169	Housing Counseling Assistance Program	VARIOUS		27,392	
15	Tuba City Boarding School Prof	Various Tuba City Unified School District		6,726	
15	Trainings for Chemawa Indian S	140A1218C0007 Chimawa Indian School		20,812	
15	Department of the Interior	VARIOUS		32,447	
15	Department of the Interior	VARIOUS	R&D	446,676	
15.041	Environmental Management_Indian	VARIOUS	R&D	57,196	
15.224	Cultural and Paleontological Resources Management	VARIOUS	R&D	12,029	
15.225	Recreation Resource Management	VARIOUS		261	
15.231	The Sagebrush Ecosystem Allian	2503.16.055535 National Fish and Wildlife Foundation	R&D	924	
15.231	Cave Valley-Hamlin Valley Sage	NPCD-005 Department of Wildlife	R&D	15,665	
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS	R&D	987,341	144,752
15.232	GREAT BASIN FIRE SCIENCE EXCHA	UNR-17-28/117GC000024 University of Nevada at Reno	R&D	5,131	
15.232	Fire Science Exchange Network	G-09352-1 Colorado State University	R&D	7,595	
15.232	Co-managing risk or 'parallel	L0196B-B Oregon State University	R&D	9,259	
15.232	Wildland Fire Research and Studies	VARIOUS	R&D	96,989	32,525

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
15.236	Environmental Quality and Protection Resource Management	VARIOUS	R&D	273,399	
15.237	Rangeland Resource Management	VARIOUS	R&D	15,777	
15.237	Rangeland Resource Management	VARIOUS		23,203	
15.238	Challenge Cost Share	VARIOUS	R&D	11,314	
15.243	BLM Youth Conservation	VARIOUS		32,950	
15.243	BLM Youth Conservation	VARIOUS	R&D	129,966	
15.244	Fisheries and Aquatic Resources Management	VARIOUS	R&D	25,539	
15.508	Beaver Restoration Assessment	01292018-5060 The Nature Conservancy	R&D	99,409	
15.529	INSTALLATION AND DEVELOPMENT O	R15AC00021	R&D	306,330	
15.557	Synthesizing drought character	R18AC00018	R&D	5,480	5,480
15.557	Synthesizing drought character	R18AC00018	R&D	30,389	
15.560	Utah Weather Stations Operatio	R17AP00234	R&D	7,559	
15.560	Eddy Covariance Towers	R16AP00162	R&D	93,314	
15.608	Fish and Wildlife Management Assistance	VARIOUS	R&D	41,171	
15.611	Geophagy and Winter Habitat Se	002873 Wyoming Game and Fish Department	R&D	18,845	
15.611	Beaver Restoration Assessment	IDFG-FY18-243 State of Idaho Department of Fish and Game	R&D	37,078	
15.611	Bighorn Disease Ecology and He	SG19-04 Department of Wildlife	R&D	57,748	
15.611	Pronghorn Productivity and Mon	Various State of Idaho Department of Fish and Game	R&D	71,699	
15.611	North Dakota Greater Sage-grou	F16AF00613 State of North Dakota	R&D	75,000	75,000
15.611	Assessment of factors associat	170000108 State of Alaska Department of Fish and Game	R&D	115,331	
15.611	Dusky Grouse Ecology and Manag	USU-001 Department of Wildlife	R&D	123,749	
15.611	North Dakota Greater Sage-grou	F16AF00613 State of North Dakota	R&D	162,170	
15.628	Assessing harvest management i	002811 Wyoming Game and Fish Department	R&D	25,063	
15.631	Partners for Fish and Wildlife	VARIOUS	R&D	-401	
15.635	Neotropical Migratory Bird Conservation	VARIOUS	R&D	19,686	
15.678	Demographic and physiological	G-50042-01 / F17AC00326 Colorado State University	R&D	19,533	
15.805	Assistance to State Water Resources Research Institutes	VARIOUS	R&D	116,411	
15.807	Earthquake Hazards Reduction Program	VARIOUS	R&D	101,714	
15.808	U.S. Geological Survey_ Research and Data Collection	VARIOUS	R&D	155,595	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
15.812	Cooperative Research Units	VARIOUS	R&D	136,332	
15.815	StateView Program Development	AV18-UT-01 America View	R&D	6,543	
15.815	AmericaView Executive Director	AV18-UT-02 America View	R&D	65,879	
15.820	A43607 Huntley Southwest Clima	476116/G18AC00320 University of Arizona	R&D	7,941	
15.931	Conservation Activities by Youth Service Organizations	VARIOUS		172,123	
15.945	Forecasting eco-evolutionary d	1003-666-USU University of Wyoming	R&D	3,954	
15.945	LEAH AND STRING LAKES VISITOR	PK131A-A/P17AC00106 Oregon State University	R&D	34,633	
15.945	Cooperative Research and Training Programs – Resources of the National Park System	VARIOUS	R&D	492,858	10,790
15.954	National Park Service Conservation, Protection, Outreach, and Education	VARIOUS	R&D	-3,361	
16.525	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus	VARIOUS		60,642	
16.726	4-H Mentoring NMP Lead Advisor	2018-JU-FX-0005 National 4-H Council		37	
16.726	National Mentoring Program VII	2016-JU-FX-0022 National 4-H Council		7,995	
16.726	4-H Health Rocks! Mentoring Pi	2018-JU-FX-0005 (SUB) National 4-H Council		11,860	
16.726	National Mentoring Program 9	2018-JU-FX-0005 (SUB) National 4-H Council		20,942	
16.726	National Mentoring Program VII	2017-JU-FX-0016 National 4-H Council		34,302	
16.726	4-H Mentoring - NMP Lead Advis	FFY16 2017-FX-00162 National 4-H Council		42,959	
16.726	Juvenile Mentoring Program	VARIOUS		292,561	
17.600	Mine Health and Safety Grants	VARIOUS		225,270	
20.514	Electric Bus Corridor Model	4918-001/490-220-001S1 CALSTART	R&D	37,797	
20.701	UTC Regional Transporation Cen	FAR0023140 North Dakota State University	R&D	37,925	
20.701	Tier I University Transportati	8823-USU-1 Western Michigan University	R&D	45,574	
20.701	UTC National Center	S1988078; 5233; 451718; 681190 Rutgers The State University of New Jersey	R&D	98,197	
20.701	Prestress Losses and Developme	FAR0028869 North Dakota State University	R&D	191,830	
43	Emb-Rid Sounding Rckt Cmp	192423 Embry-Riddle Aero University	R&D	64	
43	ATAA Invar Compensators	170725 / Prime NNG15CR64C ATA Aerospace - Civil	R&D	122	
43	PCB Asmbly SPP Field Proj	PO BB00607939 University of California at Berkeley	R&D	129	
43	MEI/ORS EDU Support	PO 2016-0155 / NNA10DF16B Millennium Engineering and Integration Company	R&D	1,137	
43	STTR: Design, Development, and	Various Parabilis Space Technologies, Inc.	R&D	1,220	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
43	Virginia Tech Collaboration	P2172940 Virginia Polytechnic Institute and State University	R&D	1,331	
43	GeoCARB	4103762939 / Prime 80LARC17C0001 Lockheed Martin Space Systems	R&D	4,336	
43	SOFIE	GATS SC 180002 / Hampton 03-11/ Prime N GATS	R&D	4,913	
43	WFIRST	18RKB00947 Ball Aerospace and Tech	R&D	6,700	6,700
43	ThermStrap W-Band	4502254099 / NNG11XA04C Northrop Grumman	R&D	6,717	
43	Mission Ops for CIRiS	17BCL00001 / NNX16AC18G Ball Aerospace and Tech	R&D	7,070	7,070
43	Thermal Links-Ball WFIRST	18JKK00053 / 80GSFC18C0083 Ball Aerospace and Tech	R&D	7,084	
43	MiRaTA	5710003593/NNX14AC75G MIT Lincoln Laboratory	R&D	7,440	
43	SCORPIO Optics Peer Rev	L42829ZJ / Prime AST1637494 Southwest Research Institute	R&D	9,707	
43	SCORPIO Pre-order Review	M52056ZJ / Prime AST1637494 Southwest Research Institute	R&D	9,998	
43	MUSE	4103422594 / 80GSFC18C0012 Lockheed Martin Space Systems	R&D	11,928	
43	WF-2365 Nevada Air Tasking Ord	Various Nevada Institute for Autonomous Systems	R&D	15,860	
43	BioSentinal	2016-0010 TO 2/NNA11AA15T Millennium Engineering and Integration Company	R&D	16,644	
43	DIEHARD CSM	466008 / 1605285 / NNN12AA01C The University of Arizona	R&D	29,395	
43	TIRS-2 Stray Light Analys	21410-15-032/NNG15HQ01C Science Systems and Applications, Inc.	R&D	31,334	
43	The Filter Incidence Narrow-ba	08600-019 Universities Space Research Association	R&D	33,156	
43	SABER II Stray Light	2160618060 / NNL16AA05C Science Systems and Applications, Inc.	R&D	34,495	
43	Flight Cadet U Blue Canyon	PO-00496 Blue Canyon Technologies, LLC	R&D	36,502	
43	RBI	880361/NNL14AQ00C Exelis, Inc.	R&D	38,150	
43	C-LIFE	Subgrant PO 394122 The University of Arizona	R&D	40,429	
43	STTR: Short Wave Infrared Foca	Various Wavefront, LLC	R&D	49,188	
43	FUV	Subcontract 418UC-SSL/NNG12FA45C University of California at Berkeley	R&D	53,883	
43	Mission Ops for CIRiS	17BCL00001 / NNX16AC18G Ball Aerospace and Tech	R&D	54,250	
43	Subcontract for Participation	43602 Hampton University	R&D	69,629	
43	ThermLinks-L3Europa	MF180130 L-3 Technologies - SSG	R&D	70,841	
43	CAESAR Phase A	82506-11022 / 80MSFC18C0034 Cornell Univeristy	R&D	80,116	
43	Rapid Response Space	2016-0010 RLS 6 / NNA10DF16B Millennium Engineering and Integration Company	R&D	213,975	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
43	HARP (InVEST)	0000013264/NNX13AN11G University of Maryland Baltimore County	R&D	214,502	
43	IRIS for ASU	ASUB00000160 / NNX15AV71G Arizona State University	R&D	351,325	
43	WFIRST	18RKB00947 Ball Aerospace and Tech	R&D	1,776,784	
43	National Aeronautics and Space Administration	VARIOUS	R&D	13,045,147	2,993,634
43.001	Developing decision-support to	7380-B Boise State University	R&D	9,306	
43.001	Nonlinear Interactions and com	1554135 University of Colorado	R&D	30,063	
43.001	Science	VARIOUS		54,529	
43.001	Super Soaker	171-03 Atmospheric & Space Technology Research Associates, LLC	R&D	58,523	
43.001	Ionospheric Storm-Time Electro	R53782 William Marsh Rice University	R&D	73,448	
43.001	WF-2247: Improving Water Suppl	2-312-0215650 RTI International	R&D	128,709	
43.001	Science	VARIOUS	R&D	585,143	22,467
43.002	Aeronautics	VARIOUS	R&D	38,577	
43.002	Adaptive Aerostructures for Re	M1703311 Texas AandM University	R&D	82,981	
43.003	Creative 3D Plant Optimization	XHAB 2018-11 National Space Grant Foundation		11,168	
43.007	Space Operations	VARIOUS	R&D	14,376	
43.008	Education	VARIOUS	R&D	7,671	
43.009	Cross Agency Support	VARIOUS		-6,000	
43.009	Cross Agency Support	VARIOUS	R&D	102	
43.012	Space Technology	VARIOUS	R&D	147,151	
43.012	Center for the Utilization of	00009566 University of California at Berkeley	R&D	152,198	152,198
43.012	Center for the Utilization of	00009566 University of California at Berkeley	R&D	277,085	
45.024	Promotion of the Arts_Grants to Organizations and Individuals	VARIOUS		7,785	
45.169	Promotion of the Humanities_Office of Digital Humanities	VARIOUS	R&D	35,931	
45.313	Laura Bush 21st Century Librarian Program	VARIOUS	R&D	126,582	
47	National Science Foundation	VARIOUS	R&D	59,202	
47.041	Quantifying Differences Betwee	20150133-01-USU University of North Carolina at Chapel Hill	R&D	5,048	
47.041	Engineering Grants	VARIOUS	R&D	1,118,669	10,113
47.049	Photoactivator Chemistry in At	2(GG012343) The Trustees of Columbia University in the City of New York	R&D	288	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
47.049	Photoactivator Chemistry in At	2(GG012343) The Trustees of Columbia University in the City of New York	R&D	32,267	32,267
47.049	Mathematical and Physical Sciences	VARIOUS	R&D	807,393	
47.050	Salary Support for John Sherva	47(GG009393) PO# G11677 The Trustees of Columbia University in the City of New York	R&D	4,221	
47.050	Detecting asperity flash heati	91264401 University of Southern California	R&D	20,740	
47.050	INFEWS/T1: J.Givens Increasing	128413-G03666 Washington State University	R&D	49,796	
47.050	Geosciences	VARIOUS	R&D	1,597,901	57,657
47.070	MESOSCALE DATA FUSION TO MAP A	1003107-06 Northern Arizona University	R&D	11,316	11,316
47.070	Connection of Earth and Sky wi	093054-17401 University of Illinois	R&D	14,794	
47.070	MESOSCALE DATA FUSION TO MAP A	1003107-06 Northern Arizona University	R&D	97,951	
47.070	Computer and Information Science and Engineering	VARIOUS	R&D	1,385,847	596,803
47.074	A43792 Baker, Service Contract	US001-0000731765 Battelle	R&D	9,096	
47.074	Arctic LTER: Climate Change an	52820/ 1637459 Marine Biological laboratory-Wood Hold, Mass	R&D	19,715	
47.074	SOCIAL BRAINS AND SOLITARY BEE	18-S07 George Washington University	R&D	20,039	
47.074	Dynamical Interactions between	S1776A-D Oregon State University	R&D	26,598	
47.074	Phylogeny and diversification	75822-10654 Cornell University	R&D	39,963	
47.074	Service Contract for Reaeratio	USU001-0000597686 Battelle	R&D	45,839	
47.074	SCALE-DEPENDENT FEEDBACKS AMON	1003088-02 Northern Arizona University	R&D	79,356	
47.074	Biological Sciences	VARIOUS	R&D	966,078	51,973
47.075	Rethinking payments for ecosys	SUBAWARD NO. 4101-81928 Purdue University	R&D	37,441	
47.075	Social, Behavioral, and Economic Sciences	VARIOUS	R&D	189,555	62,363
47.076	Literacy for Engineering Acces	TERC PROJECT # 12745 TERC	R&D	5,998	
47.076	Spatial Ability and Blind Engi	Various National Federation of the Blind	R&D	77,825	
47.076	Education and Human Resources	VARIOUS	R&D	2,602,686	52,815
47.078	Polar Programs	VARIOUS	R&D	-2,910	
47.080	Office of Cyberinfrastructure	VARIOUS	R&D	167,052	57,695
59.037	Small Business Development Centers	VARIOUS		950,077	677,869
60	Smithsonian Institution	VARIOUS	R&D	11,771	
64	Department of Veterans Affairs	VARIOUS	R&D	5,946	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
64	Department of Veterans Affairs	VARIOUS		45,501	
66	Scientific and regulatory supp	63-USU-000 Great Lakes Environmental Center, Inc.	R&D	32,930	
66.034	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act	VARIOUS	R&D	2,726	
66.461	Regional Wetland Program Development Grants	VARIOUS	R&D	45,297	
66.509	Science to Achieve Results (STAR) Research Program	VARIOUS	R&D	144,827	
66.516	P3 Award: National Student Design Competition for Sustainability	VARIOUS	R&D	4,028	
66.716	Pesticide Safety Education Man	SA-2019-11 eXtension Foundation		6,655	
66.716	2018 PSEP Funding	SA-2017-28 eXtension Foundation		11,592	
77.008	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	VARIOUS	R&D	131,036	
81	AFT2 Pgm MIC3 Enhancement	927890 Sandia Laboratories	R&D	-14,929	
81	In situ Catalytic Fas Pyrolysi	347647 Battelle Energy Alliance, LLC	R&D	-5,211	
81	Department of Energy	VARIOUS		449	
81	SNL AFT2	1044650 Sandia Laboratories	R&D	496	
81	Support for USU Physics Day at	Various Battelle Energy Alliance, LLC	R&D	500	
81	WPT Technical Support for Cybe	213985 Battelle Energy Alliance, LLC	R&D	611	
81	QCL-Compact Calib Sources	12059102 / DE-NA0001740 Sandia Laboratories	R&D	1,042	
81	Sandia AFT TVAC Optical Focu	696037 Sandia Laboratories	R&D	4,051	
81	LOTUS Code Framework Developme	177963 Battelle Energy Alliance, LLC	R&D	8,621	
81	Full-Field Measurements of Het	217672 Battelle Energy Alliance, LLC	R&D	14,255	
81	LLNL Thermal Straps	B634503 / Prime DE-AC52-07NA27344 Lawrence Livermore National Laboratory	R&D	14,881	
81	Monitoring Benthic Macroinvert	8F-30118 Argonne Laboratory	R&D	28,880	
81	Sandia Thermal Straps	2028446 Sandia Laboratories	R&D	30,495	
81	Pressure PIV Uncertainty Study	131568 Fluor Marine Propulsion, LLC	R&D	47,534	
81	Joint Appointment work with Pa	232060 Battelle		53,232	
81	Enzymatic Energy Conversion: N	274628 Battelle	R&D	70,644	
81	High Power Wireless Charging D	Various Wireless Advanced Vehicle Electrification Inc	R&D	73,092	
81	Department of Energy	VARIOUS	R&D	680,504	112,160
81.049	Biological Electron Transfer a	134124-G003972 Washington State University	R&D	60	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
81.049	Tech-X	7082-005 Tech-X Corporation	R&D	1,284	
81.049	The Plasma Science and Innovat	UWSC9285 (BPO17507) University of Washington	R&D	58,551	
81.049	Biological Electron Transfer a	G142-15-W5072 Montana State University	R&D	80,529	
81.049	An Integrated Evaluation of th	201603457-06 Regents of the University of California	R&D	190,720	
81.049	Office of Science Financial Assistance Program	VARIOUS	R&D	447,093	
81.086	Enabling Secure and Resilient	429399-19138 Virigina Tech Polytechnic Institute and State University	R&D	33,380	
81.086	WestSmartEV: Western Smart Plu	3300001466 Pacificorp	R&D	217,034	
81.087	WM-403: build Test Stand and T	Various Percheron Power, LLC	R&D	40,408	
81.087	Renewable Energy Research and Development	VARIOUS	R&D	228,585	74,001
81.089	Long-term methane emissions ra	SC4502-002 GSI Environmental	R&D	52,884	
81.113	Defense Nuclear Nonproliferation Research	VARIOUS	R&D	4,981	
81.117	Center for Innovative Drivetra	1553797 PO1000607856 University of Colorado	R&D	37,060	
81.121	Nuclear Energy Research, Development and Demonstration	VARIOUS		56,664	
81.121	Nuclear Energy Research, Development and Demonstration	VARIOUS	R&D	1,367,462	960,688
81.135	Low-cost, Easy-to-integrate, a	118115448 University of California at San Diego	R&D	22,770	
81.135	Advanced Research Projects Agency - Energy	VARIOUS	R&D	147,706	41,062
84	Kansas Technical Assistance	652-15-1870 Kansas Department of Education		183,841	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		771,590	
84.027	Idaho Training and Assessment	18-5000 State of Idaho Department of Education		-2	
84.027	Washington DR FY18	20180215 Office of Superintendent of Public Instruction		75	
84.027	Idaho Indicator Survey Work	19-5042 State of Idaho Department of Education		1,301	
84.027	Washington Dispute Resolution	20190007 Office of Superintendent of Public Instruction		2,277	
84.027	Washington Jobs Alike Workgrou	20190008 Office of Superintendent of Public Instruction		2,445	
84.027	Washington Special Education A	20180381; Office of Superintendent of Public Instruction		3,485	
84.027	Oregon Interagency Coordinatin	11461 Oregon Department of Education		4,230	
84.027	Kentucky Special Education Tra	PON2 540 1900000755 State of Kentucky		5,657	
84.027	Kentucky IDEA	PON2 540 1900000752 State of Kentucky		7,592	
84.027	Kentucky Dispute Resolution Co	PON2 540 1900000749 State of Kentucky		9,019	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
84.027	Idaho TASK12 FY19	19-5011 State of Idaho Department of Education		9,998	
84.027	Nebraska Technical Assistance	94-9410-248-1B03-18 Nebraska Department of Education		14,708	
84.027	Kentucky Complaint Investigato	PON2 540 180000 State of Kentucky		19,609	
84.027	Training and Assessment System	Various New Hampshire Department of Education		28,061	
84.027	Idaho Indicator 8, 14, and Dat	18-5015; State of Idaho Department of Education		33,325	
84.027	Oregon Technical Assistance	10797 Oregon Department of Education		45,918	
84.027	Arizona Technical Assistance F	IGA #16-19-ED PART 2 State of Arizona Department of Education		64,305	
84.027	Kentucky Complaint Investigati	PON2 540 1900000748 State of Kentucky		104,154	
84.027	Arizona Recruitment/Retention	IGA #16-19-ED PART 1 State of Arizona Department of Education		248,189	
84.027	KANSAS TASN PROJECT	652-15-1862 Kansas Department of Education		309,190	
84.031	Higher Education_Institutional Aid	VARIOUS		491,310	
84.033	Federal Work-Study Program	VARIOUS		857,594	
84.037	Perkins Loan Cancellations	VARIOUS		102,420	
84.042	TRIO_Student Support Services	VARIOUS		889,831	
84.044	TRIO_Talent Search	VARIOUS		388,918	
84.047	TRIO_Upward Bound	VARIOUS		744,394	
84.063	Federal Pell Grant Program	VARIOUS		40,793,615	
84.129	Rehabilitation Long-Term Training	VARIOUS		627,064	
84.181	Wyoming Early Intervention Cou	KE-2018-020 Wyoming Department of Health		945	
84.305	Education Research, Development and Dissemination	VARIOUS	R&D	812,771	409,670
84.323	Arizona Web Project	16-02-EDSG State of Arizona Department of Education		20,170	
84.323	Arizona State Personnel Develo	16-01-EDSG State of Arizona Department of Education		76,768	
84.325	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	VARIOUS		989,897	
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	VARIOUS		7,233,045	3,900,002
84.335	Child Care Access Means Parents in School	VARIOUS		382,505	
84.358	Rural Education	VARIOUS		1,271	
84.373	Center for the Integration of	100041.Y4.001-TAES01 Applied Engineering Management Corp. (AEM)		12,385	
84.373	Center for IDEA Fiscal Reporti	S-00015246 WestEd		244,740	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
84.379	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)	VARIOUS		131,272	
84.407	Transition Programs for Students with Intellectual Disabilities into Higher Education	VARIOUS		211,593	
84.424	New Mexico Multi-Layered Syste	19-924-00180 State of New Mexico Department of Education		35,119	
93	Visterra Inc. (BARDA) Antivira	PRIME HHS0100201500018C Visterra, Inc.	R&D	11,759	
93	Effect of time of treatment in	Various Emory University	R&D	12,051	
93	Department of Health and Human Services	VARIOUS	R&D	3,225,142	619,856
93.086	Healthy Marriage Promotion and Responsible Fatherhood Grants	VARIOUS		1,620,958	99,905
93.110	Maternal and Child Health Federal Consolidated Programs	VARIOUS		1,655,697	110,000
93.172	Preparing Association Analysis	114517-5094757 Harvard University	R&D	44,124	
93.173	Research Related to Deafness and Communication Disorders	VARIOUS	R&D	148,973	74,080
93.233	National Center on Sleep Disorders Research	VARIOUS	R&D	465,332	393,037
93.234	Traumatic Brain Injury State Demonstration Grant Program	VARIOUS		32,797	
93.237	USU FCS Family Wellness Progra	Various Ute Indian Tribe		12,470	
93.243	Reducing Trauma Through a Fami	330 SAMHSA PROJECT; 200668 The Family Place	R&D	74,941	
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS		83,138	
93.262	Agricultural Safety Education	5866-USU-CSU-1107 Penn State University		33,469	
93.273	Alcohol Research Programs	VARIOUS	R&D	440,205	138,589
93.279	Pilot Implementation of the Fa	10158SC University of California at San Francisco	R&D	5,841	
93.279	Drug Abuse and Addiction Research Programs	VARIOUS	R&D	111,449	
93.369	SILC: Training and Technical A	19-1825 TIRR Memorial Herman		106,557	
93.369	CIL: Training and Technical As	18-1812 TIRR Memorial Herman		488,111	
93.421	Act Early Ambassadors	Various Association of University Centers on Disabilities		1,824	
93.432	CIL: Training and Technical As	19-1590 TIRR Memorial Herman		1,347	
93.433	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	VARIOUS	R&D	196,074	31,565
93.464	ACL Assistive Technology	VARIOUS		447,427	
93.524	Utah Act Early Ambassador	Various Association of University Centers on Disabilities		5,449	
93.575	SLCO 4-H Entheos Kearns/Magna	BJ17164 Salt Lake County		31,593	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
93.600	Head Start	VARIOUS	R&D	5,457	
93.631	Developmental Disabilities Projects of National Significance	VARIOUS		13,958	
93.632	Serious Mental Illness Nationa	PO 7800004501 University of Kentucky Research Foundation		103,665	
93.632	University Centers for Excellence in Developmental Disabilities Education, Research, and Service	VARIOUS		577,693	
93.788	Opioid STR	VARIOUS	R&D	267,357	7,328
93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	VARIOUS	R&D	3,049	
93.853	Generation of genetically engi	17-009595 A00 University of Massachusetts	R&D	62,248	
93.855	Advanced development of a vira	SUBAGREEMENT NO. 100 Kineta, Inc.	R&D	13,269	
93.855	Production and Characterizatio	STTR18042019 Sab Capra, LLC	R&D	26,773	
93.855	Production and Characterizatio	STTR15012018 Sab Capra, LLC	R&D	64,592	
93.855	Dissecting the receptor mediat	31116A Albert Einstein College of Medicine	R&D	84,687	
93.855	Engineering an intranasal univ	21F139-01 Texas Tech University	R&D	90,323	
93.855	Allergy and Infectious Diseases Research	VARIOUS	R&D	117,672	
93.855	Engineered hamsters as a small	5109738 University of North Carolina at Chapel Hill	R&D	139,114	
93.859	Mechanism of Catalytic Regulat	C15A12080 Yale University	R&D	82,629	
93.859	Biomedical Research and Research Training	VARIOUS	R&D	477,121	
93.865	Child Health and Human Development Extramural Research	VARIOUS	R&D	607,020	247,304
93.866	Aging Research	VARIOUS	R&D	117,747	
93.866	Epidemiology of Alzheimer's Di	16-0483 Brigham Young University	R&D	216,364	
93.867	Vision Research	VARIOUS	R&D	21,173	
93.884	HRSA Primary Care Training and	15-218A-RPA003 Idaho State University	R&D	21,012	
93.959	Partnership and Community Coll	018000.340888.02 Mississippi State University		184,874	
94.006	TCN AmeriCorps TIP 2019	18NDHDC002 The Corps Network		75,295	
94.013	Volunteers in Service to America	VARIOUS		287,138	
94.020	CNCS Disaster Response Cooperative Agreement	VARIOUS		469,393	
97	Department of Homeland Security	VARIOUS	R&D	2,674,452	120,000
98.001	WONDERS OF THE MEKONG: A FOUND	UNR-17-41 University of Nevada at Reno	R&D	16,675	
98.001	WF-2351 Provide Pedagogical an	USAID 72026319CA00001 The American Universtity in Cairo	R&D	50,123	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH STATE UNIVERSITY					
99	L-3 Contam Sample Testing	JL160171/H94003-04-D-00060180 L-3 Communications	R&D	2,226	
99	Jyn-Requirements	Letter Contract P18-222206 Lockheed Martin Space Systems	R&D	4,087	
99	ASTM	JL190326 L-3 Technologies - SSG	R&D	6,218	
99	Links-BAE NEXT 5	P103387 BAE Systems Information Solutions, Inc.	R&D	9,377	
99	Calif Engineering Spt	Subcontract 17478 / B16-2016238G007 SRI International	R&D	10,223	
99	Thermal Links-NG-Kes Strp	2982804 / Prime 16-C-4127 Northrop Grumman	R&D	15,521	
99	JHU/APL Renegade	146136 / 15-C-3186 Johns Hopkins University	R&D	27,657	
99	Jyn	Letter Contract P18-222207 Lockheed Martin Space Systems	R&D	89,589	89,589
99	Links-Raytheon Draco	4201577870 Raytheon Corp General	R&D	116,759	
99	Jyn	Letter Contract P18-222207 Lockheed Martin Space Systems	R&D	123,389	123,389
99	Jyn	Letter Contract P18-222207 Lockheed Martin Space Systems	R&D	133,125	133,125
99	Voyager BO Units	Letter Subcontract A000427555 Harris Corporation	R&D	156,265	
99	AOS Radiometer Cal&Char	6835 / Prime Z7EGAAAM Arizona Optical Systems, LLC	R&D	256,879	
99	Wakeboard	18-C-0106 Misc Other	R&D	296,083	
99	Badger	25922 Lockheed Martin Space Systems	R&D	302,643	
99	Jyn	Letter Contract P18-222207 Lockheed Martin Space Systems	R&D	439,917	439,917
99	AOS BB Units	10DS-0004-UT Misc Other	R&D	445,990	
99	Jyn	Letter Contract P18-222207 Lockheed Martin Space Systems	R&D	1,160,841	
99	Voyager	Letter Subcontract A000411652 Harris Corporation	R&D	1,283,905	
99	AOS	Subcontract 10DS-0002-UT Misc Other	R&D	3,366,242	
99	Miscellaneous	VARIOUS	R&D	6,743,152	193,845
		Subtotal – Utah State University		289,376,211	47,364,526
UTAH VALLEY UNIVERSITY					
10	Department of Agriculture	VARIOUS	R&D	67,569	
15.231	Fish, Wildlife and Plant Conservation Resource Management	VARIOUS	R&D	16,459	
43	Constraining Dust Hazes at the L/T Trans via Var	HST-GO-14051.008-A Space Telescope Science Institute	R&D	2,285	
43	A Second Ladder: Testing for Bias	HST-GO-14654.003-A Space Telescope Science Institute	R&D	2,323	
43	Vertical Cloud Structure	HST-GO-14241.015-A Space Telescope Science Institute	R&D	4,524	
43	Dash Mapping of IC348	HST-GO-14626.002-A Space Telescope Science Institute	R&D	22,355	

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
UTAH VALLEY UNIVERSITY					
47.049	Mathematical and Physical Sciences	VARIOUS	R&D	107,930	13,493
47.074	Biological Sciences	VARIOUS	R&D	31,184	
47.075	Social, Behavioral, and Economic Sciences	VARIOUS	R&D	52,921	
47.076	Education and Human Resources	VARIOUS	R&D	675,725	
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		893,658	
84.031	Higher Education_Institutional Aid	VARIOUS		382,726	
84.033	Federal Work-Study Program	VARIOUS		937,401	
84.037	Perkins Loan Cancellations	VARIOUS		173,515	
84.042	TRIO_Student Support Services	VARIOUS		272,886	
84.047	TRIO_Upward Bound	VARIOUS		381,042	
84.063	Federal Pell Grant Program	VARIOUS		54,743,266	
84.066	TRIO_Educational Opportunity Centers	VARIOUS		234,636	47,209
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	VARIOUS		4,033,456	435,472
84.335	Child Care Access Means Parents in School	VARIOUS		86,497	
84.408	Postsecondary Education Scholarships for Veteran's Dependents	VARIOUS		5,692	
97.043	State Fire Training Systems Grants	VARIOUS		20,000	
97.044	Assistance to Firefighters Grant	VARIOUS		536,250	
		Subtotal – Utah Valley University		63,684,300	496,174
WEBER STATE UNIVERSITY					
10	Department of Agriculture	VARIOUS		26,815	
10.001	Agricultural Research_Basic and Applied Research	VARIOUS		3,703	
10.665	Schools and Roads - Grants to States	VARIOUS		1,567	
15.615	Cooperative Endangered Species Conservation Fund	VARIOUS		532	
43.001	Science	VARIOUS		13,538	
47.050	Geosciences	VARIOUS	R&D	61,647	
47.075	Social, Behavioral, and Economic Sciences	28214-04124 SO1 Syracuse University	R&D	5,731	5,731
47.076	Education and Human Resources	VARIOUS	R&D	8,492	
58	Securities and Exchange Commission	VARIOUS		229,562	

State of Utah
Schedule of Expenditures of Federal Awards By State Agency
For the Year Ended June 30, 2019

CFDA	Name	Award/Contract Name of Pass-through Entity	R&D	Expenditures	Provided to Subrecipients
COMPONENT UNITS					
WEBER STATE UNIVERSITY					
66.034	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act	VARIOUS		76,217	
81.049	Office of Science Financial Assistance Program	831K530 The Board of Regents of the University of Wisconsin System	R&D	12,495	12,495
84.007	Federal Supplemental Educational Opportunity Grants	VARIOUS		465,840	
84.016	Undergraduate International Studies and Foreign Language Programs	VARIOUS		9,215	
84.031	Higher Education_Institutional Aid	VARIOUS		72,324	
84.033	Federal Work-Study Program	VARIOUS		933,050	
84.042	TRIO_Student Support Services	VARIOUS		427,196	
84.044	TRIO_Talent Search	VARIOUS		238,005	
84.047	TRIO_Upward Bound	VARIOUS		759,728	
84.063	Federal Pell Grant Program	VARIOUS		29,909,595	
84.324	Research in Special Education	VARIOUS	R&D	80,414	
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	MOU Ogden City School District		43,629	43,629
84.334	Gaining Early Awareness and Readiness for Undergraduate Programs	MOU-PO180408 Ogden City School District		44,083	44,083
84.367	Improving Teacher Quality State Grants	07-UT02-SEED2017-ILI National Writing Project Corporation		183	183
93.243	Substance Abuse and Mental Health Services_Projects of Regional and National Significance	VARIOUS		39,860	
93.286	Discovery and Applied Research for Technological Innovations to Improve Human Health	VARIOUS	R&D	76,536	
			Subtotal – Weber State University	33,539,957	106,121
			Subtotal – Component Units	1,246,036,248	87,564,265
			TOTAL FEDERAL EXPENDITURES	6,176,484,279	696,962,103

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

NOTE 1. SIGNIFICANT ACCOUNTING POLICIES

The foregoing Schedule of Expenditures of Federal Awards (Schedule) is a supplementary schedule to the State's basic financial statements and is presented for purposes of additional analysis. The Schedule is required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

A. Basis of Presentation – The information in the Schedule is presented in accordance with Uniform Guidance.

- Federal Financial Assistance – Pursuant to the Single Audit Act of 1984 (Public Law 98-502), the Single Audit Act Amendments of 1996 (Public Law 104-156), and Uniform Guidance, federal financial assistance is defined as assistance provided by a federal agency, either directly or indirectly, in the form of grants, contracts, cooperative agreements, loans, loan guarantees, property, interest subsidies, insurance, endowments, or direct appropriations. Accordingly, nonmonetary federal assistance, including food stamps, food commodities, vaccines, food vouchers, and surplus property, is included in federal financial assistance and, therefore, is reported on the Schedule. Federal financial assistance does not include direct federal cash assistance to individuals. Solicited contracts between the State and Federal Government for which the Federal Government procures tangible goods or services are not considered to be federal financial assistance.

- Catalog of Federal Domestic Assistance – Uniform Guidance requires the Schedule to show the total expenditures for each of the State's federal financial assistance programs as identified in the Catalog of Federal Domestic Assistance (CFDA). The CFDA is a government-wide compendium of individual federal programs. Each program included in the CFDA is assigned a five-digit program identification number (CFDA number) which is reflected in the Schedule. Federal financial assistance programs and contracts which have not been assigned a CFDA number or, where management has been unable to determine the CFDA number, are identified with the federal agency two-digit prefix in the Schedule.

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

- Cluster of Programs – Closely related programs with different CFDA numbers which share common compliance requirements are considered a cluster of programs. The following list identifies those programs that are considered to be clusters of Federal programs as defined by the 2019 OMB Compliance Supplement.

  Aging Cluster
  CCDF Cluster
  Child Nutrition Cluster
  Clean Water State Revolving Fund Cluster
  Disability Insurance/SSI Cluster
  Drinking Water State Revolving Fund Cluster
  Economic Development Cluster
  Employment Service Cluster
  Federal Transit Cluster
  Fish and Wildlife Cluster
  Food Distribution Cluster
  Forest Service Schools and Roads Cluster
  Highway Planning and Construction Cluster
  Highway Safety Cluster
  Medicaid Cluster
  Research and Development Programs
  SNAP Cluster
  Special Education Cluster (IDEA)
  Student Financial Assistance Programs
  TANF Cluster
  Transit Services Programs Cluster
  TRIO Cluster
  WIOA Cluster

- Type A and Type B Programs – The Single Audit Act of 1984 (as amended in 1996) and Uniform Guidance establish the levels to be used in defining Type A and Type B federal programs. Type A programs for the State of Utah are those programs which exceeded $18,529,000 in federal awards expended for the fiscal year ended June 30, 2019. All other programs are classified as Type B by the State. For the year ended June 30, 2019, certain low-risk Type A programs were not audited and certain Type B programs were audited as required by Uniform Guidance. All Type A and Type B programs that were audited as major programs are listed in the "Schedule of Findings and Questioned Costs, Part I. Summary of Auditor's Results," item No. 7 (page 189).

B. Reporting Entity – The State of Utah's reporting entity includes the primary government and its component units as described in Footnote 1.A. of the State's basic financial statements for the year ended June 30, 2019. For purposes of presenting the Schedule, the Utah Transit Authority (UTA), a major discrete component unit, has been excluded from the reporting entity for the fiscal year 2019.

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

C. Basis of Accounting – Federal financial assistance programs included in the Schedule are primarily reported in the State's basic financial statements as grants and contributions in the entity-wide Statement of Activities and as federal grants and contracts or federal reinsurance in the fund financial statements. Except for items F through H presented in Note 8, the Schedule is presented using the same basis of accounting as that used in reporting the expenditures of the related funds in the State's basic financial statements. The basis of accounting used for each fund is described in Footnote 1.C. of the State's basic financial statements.

- Matching Costs – Except as addressed in Note 3 for certain loan programs, the Schedule does not include matching expenditures.
- Nonmonetary Assistance – The Schedule contains values for several nonmonetary assistance programs. The Food Stamp program is presented at the dollar value of food stamp electronic benefit transfers authorized and used by recipients. The programs with commodities and vaccines are presented at the federally assigned value of commodities disbursed by the State. The surplus property program is presented at the estimated fair value of the property distributed. The fair value was estimated to be 23.3% of the property's original federal acquisition value.
- Endowment and Commodities – Information on federal endowment and commodities inventory is included in the footnotes instead of on the Schedule (see Notes 5 and 6).
- Loan and Loan Guarantee Programs – The value of new loans and loan guarantees made during the year plus, as applicable, the beginning of the year loan balances and loan guarantees are included in the Schedule. The outstanding federal loan balances and loan guarantees at the end of the year are included in the footnotes instead of on the Schedule (see Note 3).
- Direct and Indirect (Pass-Through) Federal Financial Assistance – The majority of the State's federal financial assistance is received directly from the granting federal agency (i.e., the State is the primary recipient). However, some federal financial assistance, as identified on the Schedule, is passed through a separate entity prior to receipt by the State (i.e., the State is a subrecipient). Although this type of assistance is included on the Schedule noting the "Name of Pass-Through Entity," it is not reported as federal revenue on the State's basic financial statements because it was not awarded directly from the Federal Government to the State.
- Pass-Through Expenditures – The Schedule includes a column for "Provided to Subrecipients" to identify the amount provided to subrecipients. The State makes subgrants to other entities to carry out some federal programs.

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

- Federal Transactions Between State Entities – Some state entities transfer (expend) federal assistance to other state entities (i.e., a pass-through of funds by the primary recipient state entity to a subrecipient state entity). In this case, the federal revenue and expenditures are only reported once within the same fund on the State's basic financial statements in accordance with generally accepted accounting principles (GAAP) and reported once on the Schedule in the primary recipient state entity. This method avoids duplication and the overstatement of the aggregate level of federal financial assistance expended by the State. However, purchases of services between state entities using federal monies are reported in the basic financial statements as expenditures or expenses by the purchasing entity and as revenues for services rendered by the providing entity.

NOTE 2. DE MINIMUS COST RATE

The Schedule includes a portion of costs associated with general activities which are allocated to federal financial assistance programs under negotiated formulas commonly referred to as indirect cost rates. Three State agencies (the Department of Commerce; the Department of Natural Resources' Division of Forestry, Fire and State Lands; and the Utah State Tax Commission) and one component unit (Bridgerland Technical College) use the 10 percent de minimis cost rate.

NOTE 3. FEDERAL LOAN PROGRAMS AND LOAN GUARANTEES

Outstanding federal loan balances and loan guarantees:

	CFDA #	Ending Amount at June 30, 2019
Rural Housing Preservation Loans	10.433	$ 1,934,378
Rural Development Loans	10.447	3,566,936
Rental Housing Rehabilitation Loans	14.230	214,787
HOME Investment Partnerships Program Loans	14.239	75,651,329
Housing Trust Fund Loans	14.275	2,350,000
State Energy Program Loans	81.041	1,379,443
Federal Family Education Loans Reinsurance	84.032	684,578,679
Perkins Loan Program	84.038	30,873,403
Nurse Faculty Loan Program (NFLP)	93.264	632,627
Health Professions Student Loans	93.342	3,466,293
Nursing Student Loans	93.364	522,766
		$ 805,170,641

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Any administrative allowances expended under these programs during the year are included in the Schedule. Also included in the Schedule as required by Uniform Guidance, is the value of new loans and loan guarantees made during the year plus, as applicable, the beginning of the year loan balances and loan guarantees.

Some of the above loan programs require matching funds from the State. The HOME Loan Program requires a 25 percent match; the loans made with the match money are separate loans, accounted for separately, and are not included in the above numbers. Other loan programs above require a 0 to 25 percent match. The above numbers for these loan programs include the State match.

NOTE 4. FEDERAL REINSURANCE ON DEFAULTED LOANS

The Utah Higher Education Assistance Authority has entered into agreements with the U.S. Department of Education which provide for federal reinsurance against defaulted acquired student loans.

On December 18, 2015, the Consolidated Appropriations Act (2016, Pub. L. 114-113) was signed, which changed the federal reinsurance rates to 100% (formerly 98% and 95%) effective December 1, 2015.

Effective December 1, 2015, the federal reinsurance on defaulted loans is paid to the Program according to the following schedule:

Annual Default Rate	Federal Reinsurance
0% to less than 5%	100%
5% to less than 9%	100% of claims up to 5% and 90% of claims greater than 5% but less than 9%
9% or greater	100% of claims up to 5%, 90% of claims greater than 5% but less than 9%, and 80% of claims 9% or greater

As of June 30, 2019, the Utah Higher Education Assistance Authority had guaranteed student loans outstanding with a current principal and interest balance of approximately $684,578,679. Annual default rates for purposes of application of federal reinsurance are calculated on a federal fiscal year-end basis by dividing default claims filed for the year by the original guarantee amount of loans in repayment at the end of the preceding year. The Utah Higher Education Assistance Authority's annual default rate was less than 5% for the federal fiscal year ended September 30, 2018.

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

NOTE 5. FEDERAL ENDOWMENT

The Utah Arts Council of the Utah Department of Heritage and Arts maintains an endowment from the U.S. National Endowment for the Arts. The endowment is a permanent fund used to provide support for the Utah Arts Endowment Fund and was created with $600,000 of federal funds on September 26, 1991. Only the interest from the endowment is used to make grants to individual artists and ethnic art groups. The Utah Arts Endowment Fund also accepts donations that are used to make grants. During the year ended June 30, 2019, interest earnings and contributions were $21,766 and no grants were issued. The Utah Arts Endowment Fund balance at June 30, 2019, which comprises the federal endowment and donations, was $857,892.

Weber State University maintains an endowment from the U.S. Department of Education (CFDA #84.031). The endowment addresses the needs of students that have been placed in developmental mathematics and developmental English. It was created June 30, 2019, for 20 years with federal funds of $80,000 and $80,000 matching funds. Additional contributions of $80,000 will be made by the U.S. Department of Education and Weber State University in 2020, 2021, 2022 and 2023. The endowment fund balance of both federal and match funds at June 30, 2019, was $160,000.

NOTE 6. NONMONETARY ASSISTANCE INVENTORY

As described previously in Note 1, nonmonetary assistance is reported in the Schedule based on the amount disbursed. As of June 30, 2019, the following inventories of nonmonetary assistance existed:

Assistance	Inventory Balance June 30, 2019
Food Commodities	$1,630,057
Surplus Property	3,342

NOTE 7. WOMEN, INFANT, AND CHILDREN PROGRAM FOOD REBATES

During the fiscal year ended June 30, 2019, the Utah Department of Health received $8,462,581 of cash rebates from infant formula manufacturers on the sale of formula to participants in the Women, Infants and Children (WIC) Program (CFDA #10.557). Rebate contracts with infant formula manufacturers are authorized by federal regulation 7 CFR 246.16a as a cost containment measure.

Rebates are reported as a reduction of expenditures previously incurred for WIC food benefit costs.

The cash rebates received in the fiscal year ended June 30, 2019, correspond to an annual average food benefit for 13,378 persons.

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

NOTE 8. RECONCILIATION OF EXPENDITURES TO FEDERAL REVENUES

Expenditures reported in the Schedule agree with the federal revenues reported in the State's basic financial statements with the following reconciling items:

	Total Federal Expenditures from the Schedule	$ 6,176,484,279
	Reconciling items:	
A.	Federal Capital Contribution for loan programs reported as federal revenue in the State's Proprietary Fund and Component Unit Financial Statements but not reported on the Schedule:	
	HOME Investment Partnership Loans (14.239)	3,417,205
	Housing Trust Fund (14.275)	2,238,336
	Higher Education Institutional Aid (84.031)	80,000
B.	The federal expenditures reported on the Schedule for the Board of Regents' Student Loan Purchase Program and the Student Loan Guarantee Program – Utah Higher Education Assistance Authority difference between the federal reinsurance and allowances/reimbursements reported in the Proprietary Fund Financial Statements.	22,213,782
C.	Federal flow-through funds for colleges and universities which are not reported in the Component Unit Financial Statements as federal revenue.	(42,868,028)
D.	State-funded unemployment insurance expenditures reported on the Schedule which are not reported as federal revenue in the Proprietary Fund Financial Statements.	(152,196,569)
E.	Build America Bonds subsidy is not covered by single audit requirements.	16,746,038
F.	Fund Financial Statements accrual of federal pass-through revenues to local school districts.	67,204,312
G.	Fund Financial Statements accrual of Medicaid pharmacy rebates.	(9,569,604)
H.	Program Income for HOME Investment Partnership Loans (14.239)	(5,221,566)
I.	Reed Act money spent that was received in prior years.	(2,746,960)
J.	Loans and loan guarantees made are reported on the Schedule.	(1,246,523,811)
K.	Other miscellaneous reconciling items, net.	(2,582,872)
	Total federal revenue per the Fund Financial Statements	$ 4,826,674,542

FEDERAL REVENUE PER THE FUND FINANCIAL STATEMENTS:	
Governmental Funds – Federal Grants and Contracts	$ 3,973,026,000
Proprietary Funds – Federal Reinsurance and Allowances / Reimbursements	17,417,000
Proprietary Funds – Federal Grants	16,158,000
Component Units – Operating Grants and Contributions	1,570,438,000
Component Units – Capital Grants and Contributions for Utah Transit Authority	63,879,000
Total	5,640,918,000
Less amounts included in the Component Unit revenues for:	
State, local, and other grants and contributions	(663,019,944)
Utah Transit Authority Single Audit filed separate	(93,409,713)
College and university federal flow-through funds from State agencies	(57,813,801)
Total federal revenue per the Fund Financial Statements	$ 4,826,674,542

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SCHEDULE OF FINDINGS AND QUESTIONED COSTS

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

PART I. SUMMARY OF AUDITOR'S RESULTS

FINANCIAL STATEMENTS:

1. Type of auditor's report issued: ***Unmodified***

2. Internal control over financial reporting:
   - Material weaknesses identified? *(#2019-001)* — __x__ yes _____ no
   - Significant deficiencies identified? *(#2019-002)* — __x__ yes _____ none reported

3. Noncompliance material to financial statements noted? — _____ yes __x__ no

FEDERAL AWARDS

4. Internal control over major programs
   - Material weaknesses identified? — __x__ yes _____ no

     The material weaknesses relate to the following programs:

     CFDA 16.576 Crime Victim Compensation (#2019-014 and #2019-015)
     CFDA 16.575 Crime Victim Assistance (#2019-017 through #2019-019)

   - Significant deficiencies identified? — __x__ yes _____ none reported

5. Type of auditor's report issued on compliance for major programs: ***Unmodified*** *for all major programs except for the following programs which were* ***qualified****:*

   CFDA 16.576 Crime Victim Compensation (#2019-015)
   CFDA 16.575 Crime Victim Assistance (#2019-017 and #2019-018)

6. Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a) of the Uniform Guidance. — __x__ yes _____ no

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

PART I. SUMMARY OF AUDITOR'S RESULTS

7. Identification of major programs:

CFDA #	GRANT NAME
12.400	Military Construction
15.231 *	Fish, Wildlife and Plant Conservation Resource Management
15.509 *	BOR/Colorado River Basin Salinity
16.575	Crime Victim Assistance
16.576 *	Crime Victim Compensation
17.225	Unemployment Insurance
64.015	Veterans State Nursing Home Care
84.032	Federal Family Education Loans
84.126	Vocational Rehabilitation (VOCR)
93.575, 93.596	CCDF Cluster (Child Care)
93.658	IV-E AFDC Foster Care
93.659 *	IV-E Adoption Assistance
93.775, 93.777, 93.778	Medicaid Cluster (MED)
93.788 *	Opioid STR
Various	Student Financial Assistance (SFA) Cluster

* Type B Program

8. Dollar threshold used to distinguish between Type A and Type B programs: ***$18,529,000***

9. Auditee qualified as low-risk auditee? ____ yes __x__ no

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART II. FINDINGS RELATED TO THE FINANCIAL STATEMENTS

2019-001. **SECURITIES LENDING TRANSACTIONS NOT REPORTED**
(School and Institutional Trust Funds Office)

School and Institutional Trust Funds Office (SITFO) did not include an asset and liability of $77.7 million for cash collateral held for securities lending transactions prior to recommendations during its annual audit. GASB 28 requires that cash collateral held for securities lending transactions be recorded as an asset and an offsetting liability. Securities lending transactions were new to SITFO for the year and management was unfamiliar with all the accounting standards relating to the transactions. Omission of these balances leads to understated assets and liabilities.

Recommendation:

We recommend that SITFO include these transactions in the financial statements now that it is aware of the accounting requirements under GASB 28.

SITFO's Response:

Management agrees with this finding.

2019-002. **LACK OF SEPARATION OF DUTIES WITHIN HRIS**
(Utah Department of Human Resource Management)

Within the Department of Human Resource Management's (DHRM's) Human Resource Information System (HRIS), 64 employees have the ability to both enter and approve an employee or salary action transaction. System users who enter transactions should be prevented from approving those same transactions. Because DHRM has not implemented proper separation of duties controls in HRIS, the risk of improper employee or salary actions being entered into HRIS is increased.

Recommendation:

We recommend DHRM properly separate the transaction entry and approval functions in HRIS.

DHRM's Response:

The Department of Human Resource Management (DHRM) agrees with the finding. DHRM's Human Resource Information System (HRIS) does allow system users to both enter and approve transactions. However, for Executive Branch employees, all transactions are reviewed by Employee Resource Information Center (ERIC) before the transaction

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART II. FINDINGS RELATED TO THE FINANCIAL STATEMENTS

workflow is closed, as written in transaction Standard Operating Procedures (SOPs) found at cfe.utah.gov/hr-innovation/portfolio/. Non-executive branch agencies utilizing the HRIS are not required to follow DHRM SOPs. Therefore, there may be internal control deficiencies within these agencies.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

2019-003. **UNTIMELY ENROLLMENT REPORTING**
(Dixie State University)

CFDA Numbers and Titles: **84.063 Federal Pell Grant Program**
84.268 Federal Direct Student Loans
84.038 Federal Perkins Loan Program
Federal Award Number: **Various**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

Dixie State University (University) did not ensure that enrollment status changes were reported to the National Student Loan Data System (NSLDS), via a third party servicer, in a timely manner for 4 of the 25 students sampled. The delays ranged from 21–28 days late. According to the NSLDS Enrollment Reporting Guide, the University must report attendance changes within 30 days of determination unless a roster will be submitted within 60 days.

The University's current process does not fully capture the enrollment information for students who have withdrawn or graduated. Untimely reporting of enrollment status could cause inappropriate delays in converting student loans to repayment status, could affect the protection of a student's interest subsidy, and may result in the distribution of incorrect student data.

Recommendation:

We recommend the University correct its current process to fully capture student enrollment information and properly report this information to NSLDS in a timely manner.

University's Response:

We agree.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

2019-004. **UNTIMELY LOAN DISBURSEMENT NOTIFICATION**
(Dixie State University)

CFDA Number and Title: **84.268 Federal Direct Student Loans**
Federal Award Number: **Various**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

The University's Financial Aid Office failed to send disbursement notices within the required timeframe for all Spring 2019 semester direct student loan disbursements. Federal regulations (34 CFR 668.165) require disbursement notices to be sent to the student no earlier than 30 days before and no later than 30 days after crediting the student's account at the institution. The Financial Aid Office was not notified when the Information Technology Department made updates to the systems involved in generating the notices. Consequently, the Financial Aid Office did not perform testing after the update to ensure the systems would properly generate the required notifications. Not sending the appropriate disbursement notifications resulted in the University being noncompliant with federal regulations for all Federal Direct Student Loans disbursed in Spring 2019.

Recommendation:

We recommend the University perform testing to ensure the systems used to generate loan disbursement notices properly generate and send notices within the required timeframe.

University's Response:

We agree.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

2019-005. **ERRORS IN PROCESSING RETURN OF TITLE IV FUNDS**
(Salt Lake Community College)

CFDA Numbers and Titles: **84.007 Federal Supplemental Educational Opportunity Grants**
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

Federal Award Numbers: **Various**
Questioned Costs: **$309**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

Salt Lake Community College (College) has not established a consistent or formal method to verify the processing of return of Title IV funds. As a result, the College did not correctly process the return of Title IV funds for 2 of 25 student records examined, as follows:

- The College incorrectly excluded a student's subsidized direct loan amounts from the calculation of return of Title IV funds. This error resulted in the College returning $309 fewer Title IV funds than should have been returned. We have questioned these costs.
- The College did not return the amount earned by a student within the required 45-day timeframe.

2 CFR 200.303(a) requires an entity using federal money to have formal and effective internal controls over compliance requirements. In addition, 34 CFR 668.22(a) and (j) state that the institution is responsible to ensure the timely and accurate calculation and return of Title IV funds. Inadequate controls over processing return of Title IV funds could result in noncompliance with federal requirements.

Recommendation:

We recommend the College establish a consistent or formal method to verify the timely and accurate processing of return of Title IV funds.

College's Response:

SLCC agrees with the finding.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

2019-006. **INACCURATE LINE ITEMS IN THE FISAP REPORT**
(Southern Utah University)

CFDA Numbers and Titles: **84.007 Federal Supplemental Educational Opportunity Grants**
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

Federal Award Numbers: **Various**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2016-011**

The 2017-2018 Fiscal Operations Report and Application to Participate (FISAP report) submitted by Southern Utah University included information that either did not agree to supporting documentation or did not have supporting documentation:

Line	Reported Amount	Supporting Documentation
Part II, Section E, Line 22.a	$64,956,052	No supporting documentation
Part II, Section E, Line 22.b	$6,936,732	No supporting documentation
Part III, Section B, Line 8.b	$9,370	$5,908
Part III, Section B, Line 9.a	97 Borrowers	129 Borrowers
Part III, Section C, Line 2.b	362 Borrowers	361 Borrowers
Part III, Section C, Line 2.c	$802,751	$791,835
Part III, Section C, Line 2.2.b	7 Borrowers	6 Borrowers
Part III, Section C, Line 2.2.c	$48,845	$37,929
Part IV, Section D, Line 15	$9,767	$7,470
Part V, Section D, Line 14	$213,260	$213,340
Part V, Section D, Line 14(b)	$16,915	$16,995
Part V, Section D, Line 15	$14,218	$10,159
Part V, Section D, Line 17	$227,478	$223,449
Part V, Section D, Line 28	$12,686	$16,995
Part V, Section D, Line 28(a)	$4,229	$16,995
Part V, Section D, Line 29	$16,915	$16,995
Part VI, Section A, Line 3.d	$20,788	$21,067
Part VI, Section A, Line 6.a	0 Recipients	1 Recipient
Part VI, Section A, Line 6.b	$0	$4,000

According to the FISAP instructions, each institution's chief executive officer must certify that the data on the report is accurate. Although the report was certified, the University does not have adequate internal control to allow for proper verification of the report's accuracy. During the report preparation, the University relied on a Common Origination Disbursement (COD) system validation report rather than performing a thorough review. Errors on the FISAP report could potentially affect the amount of aid awarded the University in future years.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

Recommendation:

We recommend the University establish internal controls to verify the accuracy of the FISAP report.

University's Response:

We concur that there were several errors on the FISAP report due to input errors, wrong calculations, and other incorrect reporting errors. We acknowledge we have a responsibility to establish internal controls to ensure the accuracy of the FISAP report.

2019-007. **UNTIMELY AND INACCURATE ENROLLMENT REPORTING**
(Southern Utah University)

CFDA Numbers and Titles: **84.007 Federal Supplemental Educational Opportunity Grants**
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans
84.038 Federal Perkins Loan Program

Federal Award Numbers: **Various**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

The University does not have sufficient controls to verify that student enrollment changes being submitted, via 3rd party, to the National Student Loan Data System (NSLDS) are accurate, timely, or complete. Due to the insufficient controls, the enrollment status for 12 out of 25 students tested was improperly reported to NSLDS, as follows:

- The University reported the enrollment status of six students between 2 and 213 days after the required time frame of 60 days.
- The enrollment status for eight students was reported inaccurately.

According to 34 CFR 682.610 step c and 34 CFR 685.300, institutions are required to ensure accurate, timely (within 60 days), and complete enrollment reporting to NSLDS, even when utilizing a 3rd party servicer. The University was unaware of the requirements and was relying upon the 3rd party servicer to ensure the accuracy and timeliness of the submissions. Noncompliance with enrollment reporting requirements could result in the University's loss of future grant funding.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

Recommendation:

We recommend the University establish internal controls to ensure student enrollment changes are reported in an accurate and timely manner to NSLDS.

University's Response:

We concur with this finding, as it exposed multiple holes in the enrollment reporting process through our third-party provider, which we have already begun addressing.

2019-008. **FAILURE TO DESIGN AND IMPLEMENT INTERNAL CONTROLS OVER ENROLLMENT REPORTING**
(University of Utah)

CFDA Numbers and Titles: **84.038 Federal Perkins Loan Program**
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

Federal Award Numbers: **Various**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

The University of Utah (University) did not design and implement internal controls to prevent or to detect and correct inaccurate and untimely student enrollment status reporting. As a result, we identified 3 instances of noncompliance from a sample of 25 students (a 12 percent error rate) as follows:

a. One student was reported as withdrawn although the University determined the student's status to be graduated.

b. One student was reported as attending full-time although the University retroactively determined the status to be half-time.

c. One student was reported as attending half-time although the University retroactively determined the status to be withdrawn.

The University did not report the change of status of these three students within 60 days. According to 34 CFR 685.309, 34 CFR 682.610, 34 CFR 674.33, and the NSLDS Enrollment Reporting Guide, the University must report relevant enrollment changes within 30 days of determination unless a roster will be submitted within 60 days. Additionally, 2 CFR 200.303 requires non-federal entities to establish and maintain effective internal control that provides reasonable assurance that the non-federal entity is managing the

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

program in compliance with terms and conditions of the federal award. The University's internal processes for enrollment reporting did not include reviewing graduation status error reports or the reports showing enrollment status changes. Inaccurate and untimely reporting to the NSLDS could cause inappropriate delays in converting student loans to repayment status and could also jeopardize a student's interest subsidy.

Recommendation:

We recommend the University design and implement internal controls over changes in student enrollment status.

University's Response:

The University agrees with the finding.

2019-009. **UNTIMELY REVIEW AND APPROVAL OF CASH DRAWS**
(Utah State University)

CFDA Numbers and Titles: **84.007 Federal Supplemental Educational Opportunity Grants**
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

Federal Award Numbers: **Various**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

Utah State University (University) did not perform post-draw reviews and approvals of any financial aid cash draws which occurred during our review period of July 2018 to March 2019. According to 2 CFR 200.303(a), the University should establish and maintain effective internal controls over federal awards that provide reasonable assurance that the University is in compliance with federal statutes. The University has established a policy that post-draw reviews be performed timely; however, employee turnover and lack of understanding the importance of this control resulted in the control failures. If cash draws are not reviewed in a timely manner, improper draws, questioned costs, or interest liabilities to the University could occur.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF EDUCATION

Recommendation:

We recommend the University review and approve draws timely in accordance with its policies.

University's Response:

We agree with the finding.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

2019-010. **UNTIMELY AND INCOMPLETE VALIDATION OF PROVIDER ELIGIBILITY**
(Utah Department of Health)

CFDA Number and Title: **93.778 Medical Assistance Program (Medicaid Title XIX)**
Federal Award Numbers: **Various**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

We sampled 40 providers to determine if the Department of Health (DOH) had properly determined eligibility for the Medicaid program. We noted the following errors related to two of the providers tested:

a. DOH did not revalidate one provider until three years after the required date. Federal regulations (42 CFR 455.414) require state Medicaid agencies to revalidate the enrollment of all providers at least every 5 years or terminate the enrollment. 42 CFR 455.416(d) allows state agency management to override a termination if it is not in the best interest of the Medicaid program, but provides no timeline for revalidating the provider after an extended enrollment. DOH enacted policies in 2018 to better document management overrides and only allow extensions up to 90 days. However, this particular override occurred before the new policies were put into place, and DOH did not adequately follow up on the override. This provider was properly revalidated in May 2019. Lack of timely follow-up on providers who have received an extension in revalidating could lead to the Medicaid Program paying providers who do not meet all of the requirements stipulated for receiving Medicaid funds. We did not question costs associated with this provider because the override in this situation was allowed by federal regulations.

b. For one provider, DOH did not have a signed provider agreement on file as required by 42 CFR 431.107. This error was due to the caseworker's oversight. Without a signed provider agreement on file, DOH cannot ensure that providers meet all eligibility requirements and have made the necessary disclosures, including certification that they have not been suspended or debarred. DOH subsequently received a signed provider agreement from this provider. Also, this provider was enrolled and eligible for the Medicare program, and per 42 CFR.410(c)(1), Medicaid can rely on the Medicare provider screening process. Thus, we did not question costs associated with this provider.

<u>Recommendation</u>:

We recommend that DOH:

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

a. Follow its standard operating procedures for revalidating which were established in 2018, including for those providers whose revalidation was overridden before those procedures were put into place.

b. Ensure that a signed agreement is on file for each provider.

DOH's Response:

The Utah Department of Health agrees with this finding.

2019-011. **ERRORS ON PART 4 OF THE CB-496 FINANCIAL REPORT**
(Utah Department of Human Services)

CFDA Number and Title: **93.659 Adoption Assistance**
Federal Award Numbers: **1801UTADPT, 1901UTADPT**
Questioned Costs: **$0**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

During our review of Part 4 of the CB-496 financial report submitted by the Department of Human Services (DHS) for the federal fiscal year ended September 30, 2018, we noted the following errors:

a. DHS submitted Part 4 one week after the required due date of October 30th because the program staff did not realize the report was due until after the due date. Untimely submission of reports results in noncompliance with the program requirements.

b. DHS incorrectly reported Expenditures of Adoption Savings as follows:
   - Line 10, amount spent on post adoption services, was overreported as $508,654 instead of $507,651.
   - Line 11, amount spent on children at risk of foster care, was underreported as $309,516 instead of $349,222.

The net effect of these errors was an underreporting of expenditures by $38,703. These errors occurred because the staff were unaware of hidden restrictors in their query of the state's data warehouse while preparing the line items. Not accurately reporting information results in inaccurate and/or incomplete program information being provided to users of the reports.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Recommendation:

We recommend that DHS establish appropriate internal controls over reporting to ensure that staff responsible for preparing the reports understand the reporting requirements and that supervisors reviewing the reports to ensure they are accurate and submitted timely.

DHS's Response:

We agree the federal Part 4 report should be submitted timely and properly reported.

2019-012. **CCDF BENEFIT OVERPAYMENTS DUE TO ELIGIBILITY SYSTEM UPDATES**
(Utah Department of Workforce Services)

CFDA Numbers and Titles: **1) 93.575 Child Care and Development Block Grant**
2) 93.596 Child Care Mandatory and Matching Funds of the Child Care and Development Fund
Federal Award Numbers: **1) G-1901UTCCDD**
2) G1701UTCCDF, G1801UTCCDF, G1901UTCCDF, G1901UTCCDM
Questioned Costs: **$1,518**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

The Department of Workforce Services' (DWS) eligibility system, eRep, incorrectly calculated Child Care benefit payments for 2 of 60 sample cases—a 3.3 percent error rate. The sampled case expenditures totaled $44,789 and were taken from a total population of $68,345,793. We have questioned the overpayments of $60 related to the sample cases and the additional costs of $1,458 paid on behalf of these two clients during fiscal year 2019, totaling $1,518.

Federal regulations (45 CFR 98.45) require DWS to establish and periodically revise a sliding fee scale based on income, family size, and other factors to create a range of child care options. Department policy considers income, family size, and participant work hours as factors in determining benefits. DWS implemented code changes in eRep that inadvertently caused the system to use the wrong sliding fee scale to calculate benefits for work training program participants. DWS did not test updates to eRep in its general change management to ensure the system properly integrated the changes. Incorrect calculations of benefit payments can result in benefit overpayments and noncompliance with grant requirements.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Recommendation:

We recommend DWS test updates to eRep prior to deployment.

DWS's Response:

We agree with the finding and recommendation.

2019-013. **CHILD CARE PROVIDER OVERPAYMENTS DUE TO INSUFFICIENT REVIEWS**
(Utah Department of Workforce Services)

CFDA Numbers and Titles: **1) 93.575 Child Care and Development Block Grant**
2) 93.596 Child Care Mandatory and Matching Funds of the Child Care and Development Fund
Federal Award Numbers: **1) G-1901UTCCDD**
2) G1701UTCCDF, G1801UTCCDF, G1901UTCCDF, G1901UTCCDM
Questioned Costs: **$392,682**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

As part of the department's annual risk assessment, the Director of DWS's Office of Child Care identified provider subsidy overpayment and provider agreement noncompliance as risks of noncompliance and communicated these risks to the Internal Audit Director. DWS had recently transitioned provider payments from participant benefit cards to direct provider payments.

DWS Internal Audit conducted audits of child care providers who received federal benefit subsidy payments between September 2016 and June 2019. Internal Audit identified providers with insufficient participant attendance records to support the subsidy payments, resulting in questioned costs totaling $392,682. Utah Administrative Code (R986-700-706) and DWS's *Payment to Provider Terms and Conditions* agreements require providers to "keep accurate records of subsidized child care payments, and time and attendance" to which DWS "has the right to investigate…and audit."

Internal Audit determined it was upon DWS's transition to the direct provider payment process that the authorized providers began failing to maintain accurate time and attendance records or accurately certify attendance records on a monthly basis. Additionally, the Office of Child Care did not adequately obtain, process, and evaluate the voluminous and varied provider records. Inadequate monitoring of provider agreements, including original

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

attendance records and certifications, could cause DWS to incur undetected unallowable costs. Subsequent to the issuance of its reports, Internal Audit determined that DWS had initiated overpayment recovery through its overpayment division.

Recommendation:

We recommend DWS implement appropriate reviews of provider agreements, including original attendance records, to substantiate federal subsidy payments.

DWS's Response:

We agree with the finding and recommendation.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

2019-014. **INCONSISTENT COMPENSATION THRESHOLD AND INAPPROPRIATE ALLOCATION**
(Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime)

CFDA Number and Title: **16.576 Crime Victim Compensation**
Federal Award Numbers: **2015-VC-GX-0032, 2016-VC-GX-0057, 2017-VC-GX-0019, 2018-V1-GX-0026**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-029**

We sampled 40 Crime Victim Compensation (CVC) expenditures and selected 12 additional significant items at the Utah Office for Victims of Crime (UOVC), a division of the Commission on Criminal and Juvenile Justice (CCJJ), and noted the following noncompliance and internal control issues:

a. UOVC does not have policies and procedures to ensure it classifies claims and determines appropriate reparation in a consistent manner and maintains supporting documentation for the decisions. Instead, UOVC classifies claims on a case-by-case basis. We noted 2 of the 40 claims tested for which the reparations officer granted an increased award amount without supporting documentation. The two increased awards concerned the difference between aggravated versus non-aggravated assault. Lack of policies and procedures results in inconsistent claim classification which could, in turn, result in exceeding the aggregate amount allowed per crime as stated in *Utah Code* 63M-7-511.5. Because the reparation paid on these two claims did not exceed the amount related to the proper classification, we have not questioned any costs associated with these claims.

b. UOVC improperly documented and recorded $1,140 paid to a secondary victim for lost wages. The lost wages were shown in the Claims Management System (CMS) under the primary victim's benefits rather than the secondary victim's benefits. Payments for secondary victims reduce the victim's maximum award (*Utah Code* 63M-7-511.5) and could result in the primary victim not receiving compensation for all eligible reimbursements. Because the reparations paid on this claim did not exceed the aggregate amount allowed, we have not questioned any costs associated with the claim.

Recommendations:

We recommend UOVC:

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

a. **Implement policies and procedures to ensure appropriate reparations are applied in a consistent manner and award decisions are adequately documented.**

b. **Ensure any changes to approved benefits, made after the original eligibility determination, are adequately supported and documented.**

UOVC's Response:

UOVC agrees.

2019-015. **EXPENDITURES NOT MONITORED FOR PERIOD OF PERFORMANCE PURPOSES**
(Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime)

CFDA Number and Title: **16.576 Crime Victim Compensation**
Federal Award Numbers: **2015-VC-GX-0032, 2016-VC-GX-0057, 2017-VC-GX-0019, 2018-V1-GX-0026**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-032**

UOVC does not monitor or verify that expenditures charged to the CVC program occurred during each award's period of performance. Funding for this program is derived from both state and federal resources, is recorded in one fund code in FINET, and includes multiple federal awards, each of which have a four-year period of performance requirement. UOVC does not charge the majority of CVC expenditures to a specific award and does not perform any allocation after the fact. The 2017 Department of Justice Grants Financial Guide specifically states that for this program there is no financial requirement to identify the source (federal or state) of individual payments to crime victims. However, without an allocation or some other way to identify the expenditures to a specific federal award, we could not perform appropriate audit procedures to determine compliance with period of performance requirements. By not adequately tracking spending for period of performance purposes, UOVC could be spending funds outside the allowable period.

Recommendation:

We recommend UOVC charge expenditures to specific awards or otherwise identify the source (federal or state) of payments to crime victims or obtain a waiver from the U.S. Department of Justice stating this requirement does not apply to this program.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

UOVC's Response:

UOVC agrees.

2019-016. **INACCURATE SPECIAL AND PERFORMANCE REPORTS**
(Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime)

CFDA Number and Title: **16.576 Crime Victim Compensation**
Federal Award Numbers: **2015-VC-GX-0032, 2016-VC-GX-0057, 2017-VC-GX-0019, 2018-V1-GX-0026**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-031**

UOVC has not established adequate internal controls over the State Certification Form and the annual performance report. Federal regulations (200 CFR 200.303(a)) state, "The non-Federal entity must establish and maintain effective internal control over the Federal award that provides reasonable assurance that the non-Federal entity is managing the Federal award in compliance with Federal statutes, regulations, and the terms and conditions of the Federal award." We selected one performance report and one state certification report submitted during state fiscal year 2019 and noted the following internal control issues and inaccuracies:

Inaccuracies in the CVC State Certification Form:

The State Certification Form is a federal financial report prepared from information in FINET (the State's accounting system) and from supporting documentation. The following errors in the report indicate that UOVC's review of this report is not effective in preventing, or detecting and correcting, errors in the report.

- Subrogation Recoveries, Part I Line B2 & Part II Line A7, was overstated by $2,653
- Restitution Recoveries, Part I Line B3 & Part II Line A8, was overstated by $2,654
- Fines and Penalties, Part II Line A4, was overstated by $2,650
- Earned Interest, Part II Line A11, was overstated by $1,560
- Reserves Carried Over, Part II Line A12, was overstated by $50,474
- VOCA Grant Funds, Part II Line C, was overstated by $9,811

The amounts reported in this report should agree to FINET since FINET contains the accounting records that support the audited financial statements and the Schedule of Expenditures of Federal Awards. These errors were caused by inaccurate calculations by

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

UOVC personnel that prepared the report. Inaccuracies in the State Certification Form can impact future program awards.

Inaccuracies in the Performance Report

The "Victims of Crime Act Compensation Grant Program State Performance Report" (Performance Report) is an annual report derived from information in UOVC's Claims Management System. UOVC does not have sufficient controls to ensure the report is submitted with accurate data. We reviewed random line items in the report and noted the following errors:

- The amounts paid for each "crime type" were incorrectly reported on the Performance Report. Because FINET is not configured to track compensation payments by individual crime type, UOVC uses the amounts from the Claims Management System on the Performance Report. When the total amount paid for *all* crimes on the Performance Report did not match the amount reported in FINET, UOVC arbitrarily reduced the amount reported for the "Other" category (since it is the largest of the categories) by $6,156 so the total matched the amount reported in FINET.

- The required performance measurements that went into effect October 2015, e.g., dollar amount of expenses paid by category and type of crime, are not tracked. UOVC has a 2015 correspondence from the Department of Justice stating that these items can be reported as "not tracked." The correspondence also stated that UOVC should comply as quickly as possible to start tracking the required measurements but did not give an implementation deadline. As of June 2019, these required performance measures are still being reported as "not tracked." In addition to the "not tracked" performance measures, many of the reporting errors noted below resulted from the Claims Management System not being properly programmed to produce the required information for the Performance Report.

- UOVC's Claims Management System contains different age ranges for 4 of 6 age categories required on the Performance Report. As such, we were unable to calculate the correct number of applicants within the age ranges requested on the Performance Report. The Claims Management System is not properly programmed to generate reports for the proper age categories.

- The "Number of applications denied/closed" during the reporting period was understated by 7 applications due to inaccurate input in the report. UOVC understated the number of applications denied/closed for "incomplete information"

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

by 4 and understated the number of applications denied/closed for "other" reasons by 3.

UOVC should take greater care when entering data into the Claims Management System and preparing the Performance Report. Without tracking or properly generating the required performance measures, UOVC cannot provide the Department of Justice with the critical information needed to know how this program is being administered to help victims of various crimes.

Recommendations:

We recommend UOVC:

- **Implement internal controls to ensure the required reports are prepared in an accurate manner. Such a control would typically include training for UOVC staff and a review by an individual other than the preparer.**

- **Implement internal controls to ensure the Claims Management System is programmed to accurately capture all data elements required for the Victims of Crime Act Compensation Grant Program State Performance Report.**

UOVC's Response:

UOVC agrees.

2019-017. **ERRORS IN AND INADEQUATE INTERNAL CONTROLS OVER REPORTING AND EARMARKING**
(Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime)

CFDA Number and Title: **16.575 Crime Victim Assistance**
Federal Award Numbers: **2015-VA-GX-0063, 2016-VA-GX-0052, 2017-VA-GX-0057, 2018-V2-GX-0051**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-025**

UOVC has not established internal controls over the Crime Victim Assistance (CVA) program's financial and performance reports and administrative expenditure earmarking requirements. Federal regulations (200 CFR 200.303(a)) state, "The non-Federal entity must establish and maintain effective internal control over the Federal award that provides reasonable assurance that the non-Federal entity is managing the Federal award in

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

compliance with Federal statutes, regulations, and the terms and conditions of the Federal award." We selected three financial reports and one performance report submitted during state fiscal year 2019 and noted the following deficiencies in the submitted reports.

Errors in Federal Financial Reports (SF-425)

The financial reports were prepared using information generated by UOVC's internally developed Grant Management System (GMS) which did not agree to information recorded in FINET. While UOVC indicated that the GMS is reconciled to FINET on a monthly basis, we identified the following inaccuracies as we traced the reported amounts to FINET:

- The Federal Share of Expenditures (line 10.e) reported on the 2015 Award's September 30, 2018 quarterly report was understated by $3,558.
- The Federal Share of Expenditures (line 10.e) reported on the 2016 Award's December 31, 2018 quarterly report was understated by $949,514, mainly due to the report excluding expenditures for December 2018.

The amounts on the federal financial reports should agree to FINET since FINET contains the accounting records that support the audited financial statements and the Schedule of Expenditures of Federal Awards. These errors occurred because of calculation errors and because UOVC does not use expenditures recorded in FINET to prepare the reports. This practice could permit improper amounts to be reported on the SF-425 without detection, which could potentially affect future program funding.

Subrecipient-Reported Information Not Adequately Verified

UOVC does not perform procedures to verify the earmarking information reported on the U.S. Department of Justice, Office for Victims of Crimes Annual Performance Measurement Tool (PMT) Report. This information is used to ensure the requirements are met related to the 30 percent minimum earmarking for priority categories of crime victims and the 10 percent minimum earmarking for previously underserved victims of violent crimes. As part of its monitoring procedures, UOVC selects one of a subrecipient's reimbursement requests, obtains supporting documentation for the reported amounts, including earmarking amounts, and performs a desk audit to determine the validity of the numbers reported. These desk audits focus on a single reimbursement request by a subrecipient and do not determine the validity of *all* amounts reported.

Because UOVC does not obtain and review supporting documentation for all necessary data elements, we were unable to determine whether UOVC actually met the 30 percent priority category and 10 percent previously underserved earmarking requirements. All information submitted on the Annual PMT Report should be verified either by obtaining and reconciling supporting documentation to the reported amounts or by performing other procedures to

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

validate the accuracy of the reported amounts and other performance measures submitted by the subrecipients. Inaccurate information on the Annual PMT Report, whether provided to UOVC by the subrecipients or reported by UOVC, could permit program purposes and performance measures to be overlooked or ignored without detection and could potentially affect future program funding.

Recommendations:

We recommend UOVC:

- **Establish internal controls over the preparation of financial and performance reports, which could include a review by an individual other than the preparer.**
- **Prepare the financial and performance reports using expenditures recorded in FINET to ensure the accuracy in accordance with applicable reporting instructions.**
- **Establish procedures to verify all amounts reported by UOVC on the Annual PMT Report, particularly those amounts related to earmarking requirements.**

UOVC's Response:

UOVC agrees.

2019-018. **ON-SITE VISITS NOT PERFORMED BI-ANNUALLY**
(Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime)

CFDA Number and Title: **16.575 Crime Victim Assistance**
Federal Award Numbers: **2015-VA-GX-0063, 2016-VA-GX-0052, 2017-VA-GX-0057**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-026**

UOVC has not performed bi-annual on-site visits to its subrecipients. Because UOVC is required to perform on-site visits once every two years, we reviewed UOVC's monitoring efforts for the 2015-2017 federal fiscal awards. For all 20 subrecipients in our sample (a 100% error rate), UOVC did not perform and document an on-site visit during the last two years. Federal regulations (28 CFR 94.106(b)) require state administering agencies to conduct on-site monitoring of all subrecipients at least once every two years. However, UOVC's Monitoring Policies and Procedures state that on-site visits should be conducted "as staffing allows" and do not specify a time period. UOVC should ensure its written Monitoring Policies and Procedures are in line with the federal regulations. Also, UOVC

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

should maintain a copy of site visit results to document its compliance. Inadequate monitoring of subrecipients could result in noncompliance with grant requirements.

Recommendation:

We recommend UOVC revise its procedures to ensure it properly performs and documents its on-site visits to subrecipients in accordance with 28 CFR 106(b).

UOVC's Response:

UOVC agrees.

2019-019. **INCONSISTENCY AND CALCULATION ERRORS IN FEDERAL CASH DRAWS**
(Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime)

CFDA Number and Title: **16.575 Crime Victim Assistance**
Federal Award Numbers: **2015-VA-GX-0063, 2016-VA-GX-0052, 2017-VA-GX-0057**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-027**

UOVC lacks procedures to ensure that cash draws are made in a consistent manner. As a result, 4 (50%) of the 8 cash draw requests tested included errors that had a net effect of $34,282 being underdrawn for the CVA program. UOVC should develop effective internal controls over cash management by establishing and following procedures to ensure cash draws capture all expenditures recorded in FINET up to the draw date and are properly calculated. Drawing funds on an inconsistent basis can result in noncompliance with federal cash management requirements and possible lost interest for the State.

Recommendation:

We recommend UOVC establish procedures to ensure cash draws are made in a consistent manner, including:

- **Capturing all expenditures recorded in FINET up to the draw date.**
- **Properly calculating draw requests.**

UOVC's Response:

UOVC agrees.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF JUSTICE

2019-020. **CHECKS ISSUED TO INCORRECT VENDORS**
(Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime)

CFDA Number and Title: **16.575 Crime Victim Assistance**
Federal Award Numbers: **2016-VA-GX-0052**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

UOVC disbursed four CVA program checks totaling $42,286 to incorrect vendors. These checks were subsequently cancelled and the payments sent to the correct vendor; therefore, we have not questioned any costs. Before cash disbursements are approved and distributed, a financial manager should review the transactions to ensure they are the proper amounts, allowable, and match supporting documentation. These errors occurred during UOVC's transition to a grants management sub system that interfaces with FINET; an office specialist entered incorrect vendor numbers and financial managers failed to perform adequate reviews. Inadequate internal controls over cash disbursements could result in questioned costs and noncompliance with grant requirements.

Recommendations:

We recommend UOVC:

- **Ensure vendor information in the UOVC grants management system is correct.**
- **Strengthen its review process over disbursements.**

UOVC's Response:

UOVC agrees.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF LABOR

2019-021. WORK HOURS AND EARNINGS DISREGARDED IN UNEMPLOYMENT INSURANCE BENEFIT OVERPAYMENT DETERMINATION

(Utah Department of Workforce Services)

CFDA Number and Title: **17.225 Unemployment Insurance**
Federal Award Number: **UI-32629-19-55-A-49**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

For 1 of 60 potential overpayments tested, DWS did not properly consider claimant work hours and earnings when determining whether Unemployment Insurance benefits were overpaid. Federal regulations defer overpayment identification to state policies and procedures, which dictate that DWS personnel consider all claimant work hours and earnings as part of the benefit overpayment determination. DWS personnel did not follow procedures or perform mitigating quality reviews to sufficiently prevent or detect and correct the errors. Failure to properly determine benefit overpayments results in misuse of program funds and overpayment penalties not being assessed.

Recommendation:

We recommend DWS:

- **ensure personnel follow established policies and procedures, and**
- **strengthen mitigating quality reviews of benefit overpayment determination.**

DWS's Response:

We agree with the finding and recommendation.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF VETERANS AFFAIRS

2019-022. INACCURATE STATE HOME REPORT AND STATEMENT OF FEDERAL AID CLAIMED

(Utah Department of Veterans and Military Affairs)

CFDA Number and Title: **64.015 Veterans State Nursing Home Care**
Federal Award Numbers: **UT660DV, UT6602, UT6603, UT6604**
Questioned Costs: $0
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

We tested eight *State Home Report and Statement of Federal Aid Claimed* reports (VA Form 10-5588) prepared by the nursing homes overseen by the Utah Department of Veterans and Military Affairs (UDVMA). Four of the eight reports tested had inaccurate amounts on several line items as follows:

- Line 22C, *Direct and Indirect Cost*, and 22D, *Daily Cost of Care for the Month*: Incorrect indirect costs were used on all four reports, and incorrect direct costs were used on two of the reports. Per the form instructions, Line 22D is calculated using the amounts in line 22C; thus, the four reports with errors on line 22C also contained errors on Line 22D. The errors ranged from an understatement of $16,135 to an overstatement of $3,791.
- Line 22B, *Average Daily Census*: An error was noted in the Average Daily Census value for one submitted report. The value was adjusted on several lines of the report and the report was resubmitted; however, this value was not correctly adjusted on Line 22B. As a result, the value reported on Line 22B was incorrect by one person.
- Line 17B, *Total Non-Eligible Veterans and Civilian Residents Remaining at the End of the Month*: The value on Line 17B of two reports tested did not match the resident rosters and was incorrectly reported by one resident on one report and two residents on the other report.
- Line 20B, *Total Days of Care Furnished to Non-eligible Veterans and Civilians:* The value on Line 20B of one report tested did not match the resident rosters and was incorrectly reported by 24 days.
- Line 19B, *Female Veterans Residents Remaining at the End of the Month*: The value on Line 19B of one of the reports tested did not match the resident rosters and was incorrect by one resident.

The UDVMA should develop a sound methodology for use by the nursing homes in preparing VA Form 10-5588 to ensure that all information presented on the form matches the supporting documents. The errors above occurred due to improper design and implementation of controls and a lack of understanding by the various nursing homes on how to complete the forms. These type of errors can result in questioned costs and loss of

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

U.S. DEPARTMENT OF VETERANS AFFAIRS

future federal funding. Because the errors noted did not change the amount that UDVMA requested for reimbursement, we have not questioned any costs.

Recommendations:

We recommend the UDVMA:

- **Adopt a formal methodology for calculating direct and indirect costs that adheres to the VA Form 10-5588 instructions.**
- **Ensure that all UDVMA nursing homes receive training on completing the VA Form 10-5588 using the adopted methodology.**
- **Develop and put into place stronger controls for identifying reporting errors.**

UDVMA's Response:

UDVMA agrees with the finding. As stated in the finding, errors noted did not change the dollar amount that the UDVMA requested from the VA for reimbursement.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

VARIOUS FEDERAL AGENCIES

2019-023. WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES
(Department of Administrative Services)

CFDA Numbers and Titles: **Various**
Federal Award Numbers: **Various**
Questioned Costs: **Undeterminable**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-033**

As of June 30, 2019, two funds within the Department of Administrative Services held working capital reserves in excess of federal guidelines as follows:

Fund Description	Excess # of Days in Reserve	Excess Amount in Reserve
Division of Purchasing and General Services:		
Cooperative Contract Management	143	$ 1,307,071
Print Services	4	$ 20,623
State Surplus Property	138	$ 212,679
Division of Risk Management:		
Workers Compensation Fund	29	$ 596,647
Property Liability Self-Insurance Fund	80	$ 3,793,525

2 CFR part 200, Appendix V, paragraph G.2, generally allows a working capital reserve as part of retained earnings of up to 60 days cash expenses for normal operating purposes in each internal service fund. It is inherently difficult to accurately estimate expenses and their effect on working capital reserves when setting rates. Excess reserves could result in a federal liability since federal programs share an interest in the reserves.

Recommendation:

Depending on the business requirements, we recommend that the Department of Administrative Services reduce excess working capital reserves within each of the respective funds or obtain a waiver from the federal cost negotiator allowing for an increase in the number of days of working capital allowed to comply with federal guidelines.

Department of Administrative Services' Response:

The Department of Administrative Services concurs with the findings.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

VARIOUS FEDERAL AGENCIES

2019-024. **WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES**
(Department of Human Resource Management)

CFDA Numbers and Titles: **Various**
Federal Award Numbers: **Various**
Questioned Costs: **Undeterminable**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-034**

As of June 30, 2019, the Department of Human Resource Management held working capital reserves in excess of federal guidelines as follows:

Service Area Level – Payroll Field Services
Excess # of Days in Reserve – 34
Excess Amount in Reserve – $57,708

2 CFR part 200, Appendix V, paragraph G.2, generally allows a working capital reserve as part of retained earnings of up to 60 days cash expenses for normal operating purposes in each internal service fund. It is inherently difficult to accurately estimate expenses and their effect on working capital reserves when setting rates. Excess reserves could result in a federal liability since federal programs share an interest in the reserves.

Recommendation:

Depending on the business requirements, we recommend that the Department of Human Resource Management reduce excess working capital reserves for its Payroll Field Services service area level or obtain a waiver from the federal cost negotiator allowing for an increase in the number of days of working capital allowed to comply with federal guidelines.

DHRM's Response:

The Department of Human Resource Management (DHRM) agrees with the finding. DHRM is aware that the working capital reserves held in retained earnings exceeded the allowable 60 days of cash expenses on June 30, 2019 at the fund level due to excess reserves in Payroll Field Services.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

VARIOUS FEDERAL AGENCIES

2019-025. **WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES**
(Department of Technology Services)

CFDA Numbers and Titles: **Various**
Federal Award Numbers: **Various**
Questioned Costs: **Undeterminable**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-035**

As of June 30, 2019, the Department of Technology Services held working capital reserves in excess of federal guidelines as follows:

Service Area Level – Hosting Services
Excess # of Days in Reserve – 59
Excess Amount in Reserve – $2,581,609

2 CFR part 200, Appendix V, paragraph G.2, generally allows a working capital reserve as part of retained earnings of up to 60 days cash expenses for normal operating purposes in each internal service fund. However, based on federal cost negotiator guidelines, the Department's reserves are currently calculated at the service area level with a maximum allowed 45 days of reserves. It is inherently difficult to accurately estimate expenses and their effect on working capital reserves when setting rates. Excess reserves could result in a federal liability since federal programs share an interest in the reserves.

Recommendation:

Depending on the business requirements, we recommend the Department of Technology Services reduce excess working capital reserves for its Hosting Services service area level or obtain a waiver from the federal cost negotiator allowing for an increase in the number of days of working capital allowed to comply with federal guidelines.

Department's Response:

We agree with the findings from the State Auditor's Office.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS
PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

VARIOUS FEDERAL AGENCIES

2019-026. **WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES**
(Public Employees Health Program)

CFDA Numbers and Titles: **Various**
Federal Award Numbers: **Various**
Questioned Costs: **Undeterminable**
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: **2018-036**

As of June 30, 2019, the Public Employees Health Program (PEHP) held working capital reserves in excess of federal guidelines as follows:

Program	Excess # of Days in Reserve	Excess Amount in Reserve
State Medical	28	$ 25,259,543
State Dental	17	$ 813,689
Long-Term Disability	193	$ 3,496,800
Medicare Supplement	145	$ 18,989,366

2 CFR part 200, Appendix V, paragraph G.2, generally allows for a working capital reserve as part of retained earnings of up to 60 days cash expenses for normal operating purposes. It is inherently difficult to accurately estimate expenses and their effect on working capital reserves when setting rates. Excess reserves could result in a federal liability since federal programs share an interest in the reserves.

Recommendation:

Depending on the business requirements, we recommend that PEHP reduce excess working capital reserves or obtain a waiver from the federal cost negotiator allowing for an increase in the number of days of working capital allowed to comply with federal guidelines.

PEHP's Response:

PEHP agrees that reserves are in excess of the federally allowed guidelines.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

PART III. FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS

VARIOUS FEDERAL AGENCIES

2019-027. ERRORS IN RANDOM MOMENT TIME STRIKE (RMTS) STUDY

(Utah Department of Workforce Services)

CFDA Numbers and Titles: **Various**
Federal Award Numbers: **Various**
Questioned Costs: N/A
Pass-through Entity: N/A
Prior Year Single Audit Report Finding Number: N/A

DWS did not properly execute the random moment time study (RMTS) as developed and approved for its cost allocation plan. As a result, the following errors occurred in fiscal year 2019's first quarter:

a. Payroll costs for 18 employees, or 1.9% of pool employees, were inappropriately included in the RMTS pool to be allocated.
b. Payroll costs for 2 employees, or 0.21% of pool employees, were inappropriately excluded from the RMTS pool to be allocated.
c. Four employees, or 0.42% of pool employees, were inappropriately excluded from taking the RMTS survey.

DWS's federally-approved cost allocation plan indicates the intended goal of the RMTS is to provide a simple, efficient, and reasonable methodology to appropriately allocate costs to the programs/activities that benefit from the costs within the requirements of Uniform Guidance. DWS's plan outlines the proper inclusion of employee RMTS surveys to determine appropriate allocation percentages. Improper RMTS and payroll coding resulting from employee turnover and employee misunderstanding of job duties caused these errors to occur. The incorrect inclusion and exclusion of costs to be allocated in the pool, compounded with disproportionate allocation percentages from the RMTS, could result in unallowable costs charged to federal programs.

Recommendation:

We recommend DWS:

- **ensure its internal controls operate as designed to prevent, or to detect and correct, RMTS and payroll coding errors;**
- **maintain the integrity of its internal controls with mitigating controls, especially during periods of transition; and**
- **provide adequate staff training and communication for RMTS policies and procedures.**

DWS's Response:

We agree with the finding and recommendation.

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CORRECTIVE ACTION PLAN

State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of Administrative Services

TANI PACK DOWNING
Executive Director

Division of Finance
John C. Reidhead, CPA
Director

December 16, 2019

John Dougall
State Auditor
Office of the Utah State Auditor
Utah State Capitol Complex Suite E310
Salt Lake City, Utah 84114

Dear Mr. Dougall,

Enclosed with this letter is the State of Utah's Corrective Action Plan for the audit findings in the fiscal year 2019 single audit report.

The State's Corrective Action Plan is a compilation of the corrective action plan information provided to us by the applicable state agencies. The Corrective Action Plan document is prepared in conjunction with your fiscal year 2019 single audit. We believe it satisfies the requirements in the Federal *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* §200.511(c) for a corrective action plan.

We appreciate the efforts of the Office of the Utah State Auditor in completing the Single Audit for the State for fiscal year 2019. If you have any questions regarding this Corrective Action Plan, please do not hesitate to contact our office.

Sincerely,

John Reidhead

John C. Reidhead, CPA
Director of Finance

Attachment

DIVISION OF FINANCE, 2110 STATE OFFICE BLDG, SALT LAKE CITY, UT 84114 • telephone 801 538-3082 • facsimile 801 538-3244 • www.finance.utah.gov

Corrective Action Plan

For the Year Ended June 30, 2019

FINDINGS RELATING TO THE FINANCIAL STATEMENTS:

2019-001. SECURITIES LENDING TRANSACTIONS NOT REPORTED

State Agency: School and Institutional Trust Funds Office

Management has corrected the asset and liability presentation to ensure securities lending collateral is reflected according to GASB reporting requirements.

Contact Person: Ryan Kulig, Administrative Analyst, (801) 355-3070
Anticipated Correction Date: October 2019

2019-002. LACK OF SEPARATION OF DUTIES WITHIN HRIS

State Agency: Department of Human Resource Management

DHRM will investigate whether internal controls within the HRIS are necessary for non-executive branch agencies utilizing HRIS. Additionally, DHRM will review current transaction SOPs to determine if internal controls for Executive Branch agency transactions are adequately mitigating the risk of improper employee or salary actions being entered into HRIS.

Contact Person: Mysti Miskimins, Financial Director, 385-256-5394
Anticipated Correction Date: June 30, 2020

FINDINGS RELATING TO FEDERAL AWARDS:

U.S. DEPARTMENT OF EDUCATION:

2019-003. UNTIMELY ENROLLMENT REPORTING

State Agency: Dixie State University
Federal Program: 84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans
84.038 Federal Perkins Loan Program

Dixie State University will report a final semester enrollment status report to NSLDS via the Clearinghouse after final grades are entered and the unofficial withdrawal process has been completed. The report will be sent to the Clearinghouse before the next semester's report is due. By sending this report, we will meet the required reporting timelines and the correct enrollment status for students who fail to complete a semester.

Contact Person: Julie Stender, Registrar, (435) 652-7703
Anticipated Correction Date: Already completed and implemented

2019-004. UNTIMELY LOAN DISBURSEMENT NOTIFICATION

State Agency: Dixie State University
Federal Program: 84.268 Federal Direct Student Loans

The issue discovered during the recent audit concerning our loan disbursement notices was a result of an imaging/indexing software upgrade that broke our established process for documenting and tracking the dissemination of said notices.

Our process for both sending and documenting the disbursement notices runs on an automated schedule in which jobs within the schedule run in succession to each other. A simplified version (for explanation purposes) of the process is as follows: 1) Select the population of students who received a loan disbursement the prior day. 2) Pull all specified data for the selected students needed for the notice, including email address. 3) Create and send the disbursement notice. 4) Move a copy of the sent notice in to the student's file. 5) Update RUAMAIL (in Banner) with the appropriate code to show the notice has been sent. The schedule works such that when the 1st job is successful, it moves on to the 2nd and so on. However, if any of the jobs are not successful the schedule stops at the failed job and does not finish any remaining jobs. The issue we experienced occurred at job 4 (copying the file to the student's account) as the schedule would fail due to the file path being broken as a result of the software upgrade. This caused not only the copy to fail but the RUAMAIL update would not run either.

As a result of the issue stated above, our ability to document our loan disbursement notices was compromised. Upon discovery of this issue, immediate corrective action was taken and appropriate checks established to prevent any further issue. For instance, if an error occurs within the schedule a notification is immediately sent to two office staff by email. In addition, as a matter of procedure we will be regularly checking both the imaging files and RUAMAIL to make sure the process is functioning as expected.

Contact Person: Dustin Johnson, Associate Director–Financial Aid & Scholarships, (435) 652-7583
Anticipated Correction Date: Already completed and implemented

2019-005. ERRORS IN PROCESSING RETURN OF TITLE IV FUNDS

State Agency: Salt Lake Community College
Federal Programs: 84.007 Federal Supplemental Educational Opportunity Grants
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

SLCC understands the importance of timely and accurate calculation and return of Title IV funds. This appears to be a case related to training and an employee not fully understanding all compliance requirements. To ensure all financial aid advisors have adequate training as to the return of funds, all SLCC financial aid advisors will be attending a NASFAA Credential Workshop on the Return of Title IV funds on November 15, 2019. Upon completion of the workshop, advisors may take a test to demonstrate competency in this area and to become credentialed in the Return of Title IV Funds.

SLCC will also be implementing a quality assurance program. Advisors will check each other's return of funds calculations monthly to ensure calculations are accurate and that refunds occur within the 45-day timeframe. A quarterly review will take place at Senior staff meeting to discuss issues. This program will begin January 2020.

Currently the return of funds process is completed using an excel spreadsheet. SLCC's Banner software has an automated return process. This process will be reviewed to determine if it can be utilized to minimize calculation errors. If the process is considered viable it will be tested and implemented by May 2020.

Contact Person: Cristi Millard, Director of the Office of Financial Aid and Scholarships, 801-957-4145
Anticipated Correction Date: May 2020

2019-006. INACCURATE LINE ITEMS IN THE FISAP REPORT

State Agency: Southern Utah University
Federal Programs: 84.007 Federal Supplemental Educational Opportunity Grants
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

We will implement a thorough review process prior to submission of the FISAP report. This review process will include a meeting of personnel from Accounting Services, Financial Aid & Scholarships, and Institutional Research well ahead of the submission deadline to plan and prepare for the FISAP reporting cycle. Following the preparation of the FISAP report, we will perform a follow-up review to ensure 1) adequate documentation supporting data entered, and 2) the accuracy of the information entered in the FISAP report.

Contact Person: David Hughes, Director of Financial Aid & Scholarships, 435-586-7734
Anticipated Correction Date: With submission of the 2018-19 FISAP report.

2019-007. UNTIMELY AND INACCURATE ENROLLMENT REPORTING

State Agency: Southern Utah University
Federal Programs: 84.007 Federal Supplemental Educational Opportunity Grants
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans
84.038 Federal Perkins Loan Program

Our corrective action plan includes various steps to ensure accurate and timely reporting of enrollment changes, as follows:

1. Establish a good working relationship with an assigned Clearinghouse caseworker. This will give us a better line for accountability with the Clearinghouse when compliance issues are discovered.
2. Implement internal verification of data exchanged between the Clearinghouse and NSLDS via direct access to the NSLDS. This access was previously unavailable to the enrollment reporting officer prior to this audit. This will take place 10 days after enrollment data is reported to the Clearinghouse.
3. Maintain training and implementation of enrollment reporting tools and changes offered by the Clearinghouse to maintain compliance and communication.
4. Create and verify information between Financial Aid and the Registrars' offices to verify timely status issues for correct program reporting to the NSLDS.

Contact Person: Blair Bentley, Enrollment Specialist/Enrollment Reporting Officer, 435-586-1964
Anticipated Correction Date: With submission of the 2018-19 FISAP report.

2019-008. FAILURE TO DESIGN AND IMPLEMENT INTERNAL CONTROLS OVER ENROLLMENT REPORTING

State Agency: University of Utah
Federal Programs: 84.038 Federal Perkins Loan Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

Retroactive changes: The Registrar's Office worked with the National Student Clearinghouse (NSC) to make these retroactive petition enrollment changes. NSC did not have best practice recommendations in place for these types of changes since this situation was not a known issue to them.

The corrective action plan currently in place will involve the Registrar's Office reporting to NSC the change in the student's enrollment status after processing a retroactive petition within 5 business days. The Registrar's Office will also send an email to the University Office of Scholarships and Financial Aid within the same 5 business days of processing the retroactive petition to notify them that updates to NSLDS should be made. The Registrar's Office will validate the change in status within NSC when they report that the change has been made.

Change in student status: The Registrar's Office will assign a staff member to be responsible for manually reviewing the students' files that show as rejected on our current graduated student file, and to make the necessary updates to the individual student's status via NSC's web interface. Through this audit, the Registrar's Office learned the file they are sending currently is a supplemental file for a NSC service. Next year (2020), the Registrar's Office will update the NSC enrollment file to include the graduating students (G status). Until this is complete, they will continue to update the students' records manually to be in compliance. The graduating student file will update the students' status to a "G" only if it is a one-to-one relation, meaning the student did not graduate with a double major. This is the reason NSC recommends submitting the "G" status through the enrollment file, where the report allows all program statuses for a student to be submitted.

Contact Persons: Brenda Burke, Executive Director University Office of Scholarships and Financial Aid, bburke@utah.edu and Tim Ebner, University Registrar, tebner@utah.edu

Anticipated Correction Date: January 31, 2020

2019-009. UNTIMELY REVIEW AND APPROVAL OF CASH DRAWS

State Agency: Utah State University
Federal Program: 84.007 Federal Supplemental Educational Opportunity Grants
84.033 Federal Work-Study Program
84.063 Federal Pell Grant Program
84.268 Federal Direct Student Loans

An employee in Sponsored Programs Accounting, different from the employee who draws down the money, will perform timely post-draw reviews and approvals, with appropriate documentation.

Contact Person: Jennifer Jenkins, Manager of Sponsored Programs Accounting, 435-797-1070
Anticipated Correction Date: November 30, 2019

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES:

2019-010. UNTIMELY AND INCOMPLETE VALIDATION OF PROVIDER ELIGIBILITY

State Agency: Department of Health
Federal Program: 93.778 Medical Assistance Program (Medicaid Title XIX)

a. As noted in the finding, Standard Operating Procedures were established and implemented to document and manage any manual overrides after November 2018. Additionally, data analysis was performed to ensure all providers that were overridden in the past are all currently revalidated as required by federal regulations.

b. Current procedures include a second checkpoint to make certain all documentation is on file for the provider record before approving the application. Staff will be reminded to pay better attention to this validation process and this will be tracked in our performance measures.

Contact Person: Shandi Adamson, Bureau Director, Medicaid Operations, 801-538-6308
Anticipated Correction Date: August 2019

2019-011. ERRORS ON PART 4 OF THE CB-496 FINANCIAL REPORT

State Agency: Department of Human Services
Federal Program: 93.659 Adoption Assistance

The federal Part 4 report for the September 2019 quarter was submitted timely. The query was adjusted resulting in the error being resolved cumulatively.

Contact Person: Xochiatl Thomas, Financial Manager, 801-538-4123
Anticipated Completion Date: October 2019

2019-012. CCDF BENEFIT OVERPAYMENTS DUE TO ELIGIBILITY SYSTEM UPDATES

State Agency: Department of Workforce Services
Federal Program: 93.575 Child Care and Development Block Grant
93.596 Child Care Mandatory and Matching Funds of the Child Care and Development Fund

The Department of Workforce Services reviewed the errors identified and determined the cause and population of cases potentially subject to the error. From the population identified, we found that 31 cases totaling $11,397 were issued in error. Notification and adjudication processes have been initiated on those cases that fell above the overpayment threshold for child care. Also, a system fix for these cases was deployed on July 13, 2019 and all open ongoing child care cases were reassessed on September 14, 2019.

We have also reviewed controls designed to ensure that benefits are paid for the correct amount. These controls include a Program Review Team that reviews cases to ensure the correct determinations have been made and the correct benefits have been issued. The Department also has a Quality Control team that is currently on cycle that reviews cases to determine if there are any element or payment errors. Both of these processes help us to determine what worker or system errors are occurring.

Currently, we have an eREP system testing procedure in place that allows us to test the eREP environment of the system before it is implemented to staff. There are multiple levels of testing that occur prior to release of changes to the system before a fix or change is implemented to include unit, integration, system and acceptance testing. Each potential change is processed manually by program specialists, information analysts, business analysts and designated testers to ensure the system is issuing benefits correctly. Our review has found that controls are properly designed and implemented to provide reasonable assurance that benefits are paid for the correct amount and that the cost of implementing additional controls would exceed the benefit. Therefore, we have reviewed the errors noted with individuals responsible for performing these controls to increase their awareness. We have determined that this will sufficiently correct this error going forward.

Contact Person: Chris Williams, Manager, Eligibility Services Division, 801-626-0273
Anticipated Correction Date: September 14, 2019

2019-013. CHILD CARE PROVIDER OVERPAYMENTS DUE TO INSUFFICIENT REVIEWS

State Agency: Department of Workforce Services
Federal Program: 93.575 Child Care and Development Block Grant
93.596 Child Care Mandatory and Matching Funds of the Child Care and Development Fund

As noted in the finding, all questioned costs have been referred to the department's overpayment division. Some questioned costs have been repaid and repayment is being pursued for the remaining verified questioned costs. The Office of Child Care has worked with the department's internal audit division to have them conduct ongoing reviews of original provider attendance records.

Contact Person: Ann Stockham Mejia, Program Manager, 801- 526-9362
Anticipated Correction Date: October 1, 2019

U.S. DEPARTMENT OF JUSTICE:

2019-014. INCONSISTENT COMPENSATION THRESHOLD AND INAPPROPRIATE ALLOCATION

State Agency: Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime
Federal Program: 16.576 Crime Victim Compensation

UOVC has completed the recommended updates to procedures, which were in draft form and under review at the time of the audit.

Contact Persons: Melanie Scarlet, Reparation Program Manager UOVC, 801-238-2364
Gary Scheller, Director UOVC, 801-238-2362

Anticipated Correction Date: Any remaining or additional updates determined necessary or recommended by this Single Audit process, will be completed, implemented and disseminated prior to December 1, 2019.

2019-015. EXPENDITURES NOT MONITORED FOR PERIOD OF PERFORMANCE PURPOSES

State Agency: Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime
Federal Program: 16.576 Crime Victim Compensation

UOVC has drafted procedures which address the related recommendation and which have been provided to the Federal Funding entity for review in October of 2019 in response to a Site Evaluation from that entity in April of 2019.

Contact Persons: Connie Wettlaufer, Financial Point of Contact (FPOC) UOVC, 801-238-2371
Patti Jensen, Financial Manager UOVC, 801-238-2364
Gary Scheller, Director UOVC, 801-238-2362

Anticipated Correction Date: Any remaining or additional updates determined necessary or recommended by the Federal Funding Entity and/or this Single Audit process, will be completed, implemented and disseminated, appropriately and timely subsequent to the Federal Funding Entity's response.

2019-016. INACCURATE SPECIAL AND PERFORMANCE REPORTS

State Agency: Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime
Federal Program: 16.576 Crime Victim Compensation

UOVC has drafted procedures which address the related recommendation and which have been provided to the Federal Funding entity for review in October of 2019 in response to a Site Evaluation from that entity in April of 2019. Additionally, UOVC has applied for and been awarded a technology grant for the purpose of developing a new Compensation Claim Data Management system. The new system will be configured to track the required data related to this finding. UOVC Financial Manager Patti Jensen has reported that the most recent past certification form submitted the funding entity has been corrected in their system.

Contact Persons: Patti Jensen, Financial Manager UOVC, 801-238-2364
Gary Scheller, Director UOVC, 801-238-2362

Anticipated Correction Date: Any remaining or additional updates determined necessary or recommended by the Federal Funding Entity and/or this Single Audit process, will be completed, implemented and disseminated, appropriately and timely subsequent to the Federal Funding Entity's response. The anticipated timeline of the completed data management system is approximately 3 years.

2019-017. ERRORS IN AND INADEQUATE INTERNAL CONTROLS OVER REPORTING AND EARMARKING

State Agency: Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime
Federal Program: 16.575 Crime Victim Assistance

UOVC has drafted procedures which address the related recommendations and which have been provided to the Federal Funding entity for review in October of 2019 in response to a Site Evaluation from that entity in April of 2019. The procedures were updated again on November 1, 2019 subsequent to UOVC meeting with the auditing personnel and receiving further clarity. UOVC continues to work with the funding entity regarding the PMT issues raised by the State Auditor, to assure the concerns of the State Auditor are properly addressed.

Contact Persons: Tallie Viteri, Assistant Director, Assistance Grants Program Manager, UOVC, 801-297-2620
Arnold Liu, Financial Analyst (POC), Assistance Grants, UOVC, 801-238-2374
Gary Scheller, Director UOVC, 801-238-2362

Anticipated Correction Date: Procedures were updated in July, 2019 and again in October of 2019. Any remaining or additional updates determined necessary or recommended by the Federal Funding Entity and/or this Single Audit process, will be completed, implemented and disseminated, appropriately and timely subsequent to the Federal Funding Entity's response.

2019-018. ON-SITE VISITS NOT PERFORMED BI-ANNUALLY

State Agency: Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime
Federal Program: 16.575 Crime Victim Assistance

Within the past year, UOVC has hired two auditors to help UOVC be compliant with all subrecipient monitoring requirements. UOVC monitoring policies have been updated to include policies regarding subrecipient site visits. There is currently a schedule in place that will ensure all subrecipients receive a formal site visit in conjunction with a desk review during FY20. The monitoring policy and accompanying tools have been updated to meet all subrecipient monitoring requirements outlined in 28 CFR 106(b).

Contact Persons: Lynsey Stock, Audit Manager UOVC, 304-545-7589
Gary Scheller, Director UOVC, 801-238-2362

Anticipated Correction Date: Complete as of 11/01/2019

2019-019. INCONSISTENCY AND CALCULATION ERRORS IN FEDERAL CASH DRAWS

State Agency: Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime
Federal Program: 16.575 Crime Victim Assistance

UOVC has drafted procedures which address the related recommendation and which have been provided to the Federal Funding entity for review in October of 2019 in response to a Site Evaluation from that entity in April of 2019.

Contact Persons: Connie Wettlaufer, Financial Point of Contact (FPOC) UOVC, 801-238-2371
Gary Scheller, Director UOVC, 801-238-2362

Anticipated Correction Date: Procedures were updated in July, 2019 and again in October of 2019. Any remaining or additional updates determined necessary or recommended by the Federal Funding Entity and/or this Single Audit process, will be completed, implemented and disseminated, appropriately and timely subsequent to the Federal Funding Entity's response.

2019-020. **CHECKS ISSUED TO INCORRECT VENDORS**

State Agency: Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime
Federal Program: 16.575 Crime Victim Assistance

UOVC has made changes to staff and the processing of disbursements. UOVC has now eliminated the office specialist to process payments in FINET as a result of UOVC transitioning into a new grants management system. This has simplified UOVC's payment process by reducing data entry and data entry errors.

With the new transition of the financial piece in Utah Grants Management system, and the ability to enter payments via Excel spreadsheet upload in FINET, there has been additional review process put in place before the Financial Manager Approves the payment in FINET. Specifically, the Financial Analyst reviews all payment requests for accuracy before the Financial Manager reviews again for final approval in FINET.

Contact Persons: Patti Jensen, Financial Manager UOVC, 801-238-2364
Arnold Liu, Financial Analyst (FPOC), Assistance Grants, UOVC, 801-238-2374
Gary Scheller, Director UOVC, 801-238-2362

Anticipated Correction Date: Complete as of 11/01/2019

U.S. DEPARTMENT OF LABOR:

2019-021. **WORK HOURS AND EARNINGS DISREGARDED IN UNEMPLOYMENT INSURANCE BENEFIT OVERPAYMENT DETERMINATION**

State Agency: Department of Workforce Services
Federal Program: 17.225 Unemployment Insurance

The Department of Workforce Services takes the responsibility of program integrity very seriously, and in this case the existing policy and procedure were not followed properly. The team responsible for this work is scheduled to review the findings of this audit, as well as existing policy and procedures for future compliance. Quality reviews will continue to be used to monitor program compliance for this and other scenarios moving forward.

Contact Person: Kevin Burt, Unemployment Insurance Director, kburt@utah.gov, 801-526-9575
Anticipated Correction Date: November 2019

U.S. DEPARTMENT OF VETERANS AFFAIRS:

2019-022. **INACCURATE STATE HOME REPORT AND STATEMENT OF FEDERAL AID CLAIMED**

State Agency: Utah Department of Veterans and Military Affairs (UDVMA)
Federal Program: 64.015 Veterans State Nursing Home Care

UDVMA will standardize the method used for calculating direct and indirect cost that adheres to the VA Form 10-5588 instructions. The calculation will be reviewed and updated by the UDVMA annually in September, at the end of the federal fiscal year.

The UDVMA will re-train each State Officer on filling out VA Form 10-5588. To improve accuracy and consistency, supporting forms will be standardized for all state veterans homes.

The Deputy Director, or designee, will monitor the completed forms for accuracy.

Contact Person: Dennis McFall, Deputy Director, (801) 755-8722
Anticipated Correction Date: October 31, 2019

VARIOUS FEDERAL AGENCIES:

2019-023. WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES

State Agency: Department of Administrative Services
Federal Programs: Various

Division of Purchasing and General Services

Cooperative Contract Management

The Division continues to decrease the administrative fees on each of its state cooperative contracts as each contract expires and is rebid. The Division is allowed under law to collect up to a 1.0 % administrative fee on each cooperative contract. Currently, the average administrative fee is 0.38 %.

In addition, the Division has also hired two additional employees and invested in a new contract usage system and analytics tool. The new system and additional employees will help improve the management of its cooperative contracts. The system also will assist the Division in anticipating usage and decreasing the administrative fees of appropriate contracts.

Print Services

Print Services has reviewed and decreased its administrative fees.

State Surplus Property

State Surplus will use the excess reserve funds to invest in a new building when they relocate in 2021.

Contact Person: Christopher Hughes, Director, 801-538-3254
Anticipated Correction Dates: Cooperative Contract Management – June 30, 2022
Print Services – June 30, 2020
State Surplus Property – June 30, 2021

Division of Risk Management

Workers' Compensation Fund

The Division has requested a $1 million transfer out of this fund in fiscal year 2020, subject to legislative approval.

Property Liability Self- Insurance Fund

The Division's role is to estimate insurance claims and set rates to match. Claim and other costs have been lower than anticipated for a few years. We have intentionally reduced rates to compensate. The Division used a lower property rate than the actuary recommended for fiscal years 2019 and 2020. We will use a lower property rate than the actuary recommended for fiscal year 2021 to reduce retained earnings. We will continue to observe claim levels and set rates intended to reduce the retained earnings to appropriate levels.

Contact Person: Brian Nelson, Director, 801-538-9576
Anticipated Correction Dates: Workers Compensation Fund - June 30, 2020
Property Fund - June 30, 2021

2019-024. WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES

State Agency: Department of Human Resource Management
Federal Programs: Various

The excess retained earnings for Payroll Field Services was caused by lower than anticipated expenses in fiscal year 2019. DHRM is evaluating the Payroll Field Services rate for fiscal year 2020 and will adjust it, if necessary. DHRM anticipates this retained earnings balance will be in compliance with the 60 day working capital limit by June 30, 2020.

Contact Person: Mysti Miskimins, Financial Director, 385-256-5394
Anticipated Correction Date: June 30, 2020

2019-025. WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES

State Agency: Department of Technology
Federal Programs: Various

Partial Corrective Action Achieved
DTS gave significant mid-year rate reductions and rebates in both FY 2018 and FY 2019 to Hosting Services customers of about $1.3 million and $900 thousand respectively. In addition, DTS has proposed rates for FY 2020 and FY 2021, which are lower than the projected actual costs to provide this service. This was done in order to further draw down Hosting Services retained earnings by about $1.7 million in FY 2020 and $900 thousand in FY 2021.

Further Corrective Action Plan
The advent and adoption of cloud based hosting technology will continue to change DTS operations and demand for DTS Hosting Services. As part of the DTS strategic plan, DTS will take advantage of cloud based hosting to provide even more efficient services. DTS is positioned to assist customers with a switch from hosting with DTS in the State Data Center to hosting with another provider. This switch will impact revenue; funds that would have been paid to DTS will now be paid to an outside vendor. Finally, many agencies are taking advantage of software as a service which, in some instances, moves the hosting services away from DTS to a vendor used by the software company. DTS currently estimates it will lose at least $1.1 million to cloud based hosting services alone in FY 2020 and another $1 million in FY 2021. These amounts are conservative estimates and if cloud based hosting services adoption continues to rise, DTS will likely see additional revenue shortfalls.

As customers continue to transition from DTS Hosting services to cloud based hosting services, DTS will closely track the impact to Hosting Services revenues and expenses. DTS will annually review and adjust rates and will issue mid-year rebates if necessary to bring DTS Hosting Services into compliance with Federal excess reserve guidelines by the end of FY 2022.

Contact Person: Daniel Frei, Finance Director, 801-538-3459
Anticipated Correction Date: FY2022 anticipated completion date

2019-026. WORKING CAPITAL RESERVES IN EXCESS OF FEDERAL GUIDELINES

State Agency: Public Employees Health Program
Federal Program: Various

PEHP plans to issue a $30 million experience dividend from the State Medical program to participants in May 2020 to bring this program's reserves down to the federally allowed amount. The Division of Finance will calculate the federal portion of the State of Utah's share of this experience dividend and submit it to Cost Allocation Services (CAS) for approval.

PEHP has also requested the Division of Finance calculate the federal portion of the excess reserves balance as of June 30, 2019 in the State Dental program and submit it to CAS for approval. Once approved, PEHP will refund the federal portion amount for the State Dental program excess reserves.

PEHP recently refunded the federal portion of the Long-term Disability program excess reserve balance as of June 30, 2018. Because Long-term Disability claims fluctuate each year, PEHP will request approval from CAS for an additional year to study long-term disability liabilities, premiums, and claim trends. However, if material excess reserves still exist in this program at fiscal year ending June 30, 2020, PEHP will refund the federal portion of the excess reserves as of that date.

As a result of the Medicare Supplement program experiencing favorable claim loss ratios and receiving pharmacy subsidies greater than the expected amounts, PEHP will request approval from CAS for an additional year to study the liabilities and expected claims in this program. However, if material excess reserves still exist in this program at June 30, 2020, PEHP will refund the federal portion of the excess reserves as of that date.

Contact Person: Robert Dolphin, Chief Financial Officer, 801-366-7429
Anticipated Correction Date: June 30, 2021

2019-027. **ERRORS IN RANDOM MOMENT TIME STRIKE (RMTS) STUDY**

State Agency: Department of Workforce Services
Federal Program: Various

The Department of Workforce Services has an established system of internal controls to ensure that time and effort costs that are allocated to programs/activities that benefit from the costs using the random moment time study (RMTS) methodology, as delineated in the department's federally-approved Public Assistance Cost Allocation Plan, are recorded in the appropriate cost centers. It appears that the established internal controls that should have prevented and/or detected the errors cited by the auditors did not function as designed. The department is conducting a comprehensive review of its RMTS procedures and the associated internal controls to identify the cause of the errors noted in the audit. The results of the review will be utilized to make needed adjustments to RMTS procedures, internal controls, staff training, and communication of RMTS policies and procedures.

Contact Person: Nathan Harrison, Finance Director, 801-526-9402
Anticipated Correction Date: December 31, 2019

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SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF AGRICULTURE

Finding	Initial Year	Status of Findings and Questioned Costs
2018-002	2018	**Finding**: Noncompliance With Subrecipient Monitoring Requirements (Utah Department of Natural Resources) **Status**: Partially corrected. **Reasons for Recurrence**: The revised grant award document did not have all the required elements. **Partial Corrective Action Taken**: The Department of Natural Resources (DNR) created a new grant award document to address all of the issues. However, two required elements were overlooked. Upon review with the Auditor, DNR had overlooked two applicable terms required by 2 CFR 200.331. **Corrective Action Planned**: DNR will update the grant document to include the missing elements. **Contact Person**: Stacy Carroll, Financial Manager, 801-538-7307 **Anticipated Completion Date**: August 31, 2019
2018-003	2018	**Finding**: Noncompliance With Reporting Requirements (Utah Department of Natural Resources) **Status**: Implemented – corrective action taken.
2018-004	2018	**Finding**: No Independent Review of Federal Reports and Matching Requirements (Utah Department of Natural Resources) **Status**: Implemented – corrective action taken.
2018-005	2018	**Finding**: Inadequate Internal Controls Over Cash Draws (Utah Department of Natural Resources) **Status**: Implemented – corrective action taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF AGRICULTURE (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-006	2018	**Finding**: Inadequate Internal Controls Over Suspension and Debarment (Utah Department of Natural Resources) **Status**: Not corrected. **Reasons for Recurrence**: Due to a transition of duties, employee turnover, and a significant fire season increasing workload, the Division of Forestry, Fire, and State Lands (FFSL) was not able update policies and procedures for checking suspension and debarment. **Partial Corrective Action Taken**: Corrective action was not taken due to unusually high volumes of work, transition of duties and employee turnover. **Corrective Action Planned**: FFSL will check suspension and debarment on all new and existing awards with target completion date of August 31, 2019. **Contact Person**: Stacy Carroll, Financial Manager, 801-538-7307 **Anticipated Completion Date**: August 31, 2019
2018-007	2018	**Finding**: Backdating of Transactions for Period of Performance (Utah Department of Natural Resources) **Status**: Implemented – corrective action taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF DEFENSE

Finding	Initial Year	Status of Findings and Questioned Costs
2018-008	2014	**Finding**: Inadequate Internal Controls Over Suspension and Debarment (Utah National Guard) **Status**: Partially corrected. **Reasons for Recurrence**: Utah National Guard (UNG) had this finding in the 2014 audit. UNG implemented its corrective action plan, but failed to properly enforce it. UNG had the finding again in the 2018 audit and fully implemented the procedures in the current fiscal year. **Partial Corrective Action Taken**: UNG had only implemented its plan for new contracts, but had not gone back to review old contracts. A follow up audit of a related program found that UNG had only partially implemented the plan. Corrective actions have been made and were in place for most of fiscal year 2019. **Corrective Action Planned**: The SAM report will be attached to each payment request for DFCM contracts (or any contract without the suspension and debarment condition) over $25,000 as required. This provides additional controls that every payment will have verification for easy reference and ensures that no payments are made for any contract, in the past or present, to a suspended or debarred vendor. **Contact Person**: Michael J. Norton, Finance Director, 801-432-4445 **Anticipated Completion Date**: October, 2018.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF EDUCATION

Finding	Initial Year	Status of Findings and Questioned Costs
2016-011	2016	**Finding**: Inaccurate Line Items in the FISAP Report (Southern Utah University) **Status:** Not corrected. See current year finding 2019-006. **Reasons for Recurrence**: The 2017 FISAP report had exceptions in Part III, Section B, lines 10(a) and 10(b). The methodology used and the supporting documentation for the information was not provided as support. **Partial Corrective Action Taken**: Certain parts of the report that were previously not reported correctly have been corrected. **Corrective Action Planned**: We have created and implemented a review process to mitigate these errors. Part III of the FISAP will be reviewed by an Accounting Supervisor, then Accounting Manager to ensure accuracy and completeness of the numbers and supporting documentation. After the numbers are input by the Director of Financial Aid, Part III will then be reviewed by a member of accounting services to verify the accuracy of inputs. **Contact Person**: David Hughes, Director of Financial Aid, 435-586-7734 **Anticipated Completion Date**: December 31, 2019
2017-007	2017	**Finding**: Inadequate Internal Controls Over Subrecipient Monitoring Pre-award Requirements (Utah State Board of Education) **Status**: Implemented – corrective action taken.
2017-008	2017	**Finding**: Lack of Documentation for Evaluation of Subrecipient Risk of Noncompliance (Utah State Board of Education) **Status**: Implemented – corrective action taken.
2018-009	2018	**Finding**: Inadequate Controls Over Subrecipient Monitoring (Utah State Board of Education) **Status**: Implemented – corrective action taken.
2018-010	2017	**Finding**: Noncommunication of Pre-Award Information to Subrecipients (Utah State Board of Education) **Status**: Implemented – corrective action taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF EDUCATION (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-011	2018	**Finding**: No Verification of LEA Suspension and Debarment Status (Utah State Board of Education) **Status**: Implemented – corrective action taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Finding	Initial Year	Status of Findings and Questioned Costs
2017-011	2015	**Finding**: Inadequate Internal Controls Over Eligibility (Utah Department of Health) **Questioned Costs**: $22,248 The Health Resources and Services Administration management decision letter dated January 11, 2019, deemed questioned costs of $870 as unallowable. The repayment of $870 was made by warrant on January 25, 2019. **Status**: Repeated in fiscal year 2018, see finding 2018-013.
2017-012	2017	**Finding**: LIHEAP Eligibility Determination Errors and Invalid Documentation (Utah Department of Workforce Services) **Questioned Costs**: $460 The Utah Department of Workforce Services has not received a management decision regarding the questioned costs. **Status**: Implemented – corrective action taken.
2018-012	2018	**Finding**: Inadequate Internal Controls Over Subrecipient Determination and Monitoring (Utah Department of Health) **Status**: Partially corrected. **Reasons for Recurrence**: Corrective action was not fully implemented until January 1, 2019. **Partial Corrective Action Taken**: Both contracts identified in the finding were changed to the appropriate designation. The program attended department-wide grant training and is utilizing an AGA questionnaire provided in the training to ensure all contractual relationships are properly classified. **Corrective Action Planned**: All planned corrective action was completed as of January 1, 2019. **Contact Person**: Amelia Self, Prevention, Treatment and Care Program Manager, 801-538-6221 Brianne Glenn, Policy and Eligibility Manager, 801-538-6738 **Anticipated Completion Date**: January 1, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-013	2015	**Finding**: Inadequate Internal Controls Over Eligibility (Utah Department of Health) **Questioned Costs**: $9,897 The Health Resources and Services Administration (HRSA) has reviewed the $9,897of questioned costs and determined that no monetary recoveries are necessary, per the HRSA management decision letter dated July 12, 2019. **Status**: Partially corrected. **Reasons for Recurrence**: Corrective action was not fully implemented until April 1, 2019. **Partial Corrective Action Taken**: Additional controls were implemented over the approval of program sponsored insurance coverage, including additional documentation and review of client eligibility. Policies and procedures regarding vigorous pursuit and health insurance assessments have been revised. Partners and staff received training on new policies on March 14, 2019. Policies were fully implemented on April 1, 2019. **Corrective Action Planned**: All planned corrective action was completed as of April 1, 2019. **Contact Person**: Amelia Self, Prevention, Treatment and Care Program Manager, 801-538-6221 Brianne Glenn, Policy and Eligibility Manager, 801-538-6738 **Anticipated Completion Date**: April 1, 2019
2018-014	2018	**Finding**: Inadequate Internal Controls Over Preparation of SF-425 Reports for SAPT (Utah Department of Human Services) **Status**: Implemented – corrective action taken.
2018-015	2018	**Finding**: Inadequate Internal Controls Over Preparation of SF-425 Reports for SAMH Projects (Utah Department of Human Services) **Status**: Implemented – corrective action taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-016	2018	**Finding**: Inadequate Internal Controls Over CCDF Eligibility (Utah Department of Workforce Services) **Questioned Costs**: $8,723 The $8,723 of questioned cost will not be pursued for recovery by the Administration for Children and Families (ACF), per the ACF management decision letter dated September 3, 2019. **Status**: Partially corrected. **Reasons for Recurrence**: The Department of Workforce Services (DWS) has updated Child Care policy, Section 730 - Eligibility Period, to address when reviews are accepted, effective April 1, 2019. DWS has established that Child Care reviews cannot be shortened or lengthened. DWS implemented a system to lock-in the Child Care program until the next review. An update was given to staff educating them on the lock-in in July 2018. In September 2018, staff meetings were attended by the Child Care Program Specialist to instruct staff of the policy requirements on the updated Child Care policy. Because the updated policy was not in place for a majority of the year, the finding is considered partially corrected. **Partial Corrective Action Taken**: The updated policy was implemented April 1, 2019. **Corrective Action Planned**: The corrective action was completed but was not in place for the majority of the fiscal year. **Contact Person**: Tilila Taulanga, Program Specialist, 801-833-2007 **Anticipated Completion Date**: April 1, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-017	2018	**Finding**: Inadequate Internal Controls Over TANF Child Support Non-Cooperation (Utah Department of Workforce Services) **Questioned Costs**: $3,980 The Utah Department of Workforce Services has not received a management decision regarding the questioned costs. **Status**: Partially corrected. **Reasons for Recurrence**: The corrective action required a computer system change and the department worked with Office of Recovery Services to identify the technical solution. As a result of the coordination and resources required to make the technical change the solution was not implemented for the majority of the fiscal year. **Partial Corrective Action Taken**: The system enhancement was made and implemented April 1, 2019. **Corrective Action Planned**: The corrective action was completed but was not in place for the majority of the fiscal year. **Contact Person**: Liz Carver, Director, Workforce Development Program & Training, 801-526-9327 **Anticipated Completion Date**: April 1, 2019
2018-018	2018	**Finding**: Inadequate Internal Controls Over Reporting (Utah Department of Workforce Services) **Status:** Partially corrected. **Reasons for Recurrence:** The corrective action required a policy change. Due to coordination across programs, computer systems, and reporting, policy was published January 1, 2019. The federal reporting time frame was such that the first implementation of the new process couldn't occur prior to December 2018. **Partial Corrective Action Taken:** Policy was implemented January 1, 2019, and the new process is being used. **Corrective Action Planned:** The corrective action was completed, but was not in place for the majority of the fiscal year. **Contact Person:** Liz Carver, Director, Workforce Development Program & Training, 801-526-9327 **Anticipated Completion Date:** January 1, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF THE INTERIOR

Finding	Initial Year	Status of Findings and Questioned Costs
2018-019	2018	**Finding**: Internal Control Weaknesses Over Federal Reports (Utah Department of Agriculture and Food) **Status**: Implemented – corrective action taken.
2018-020	2018	**Finding**: Inadequate Internal Controls Over and Noncompliance with Allowable Payroll-Related Charges (Utah Department of Agriculture and Food) **Questioned Costs**: $10,546 The $10,546 questioned costs were repaid by reducing the Basin State Salinity grant draw on July 29, 2019 by this amount. This repayment was reported on the SF270 Request for Reimbursement report for the quarter ending June 30, 2019. **Status**: Implemented – corrective action taken.
2018-021	2018	**Finding**: Internal Control Weaknesses and Noncompliance with Procurement, Suspension & Debarment, and Subrecipient Pre-Award Requirements (Utah Department of Agriculture and Food) **Status**: Implemented – corrective action taken.
2018-022	2018	**Finding**: Failure to Monitor Subrecipient Single Audit Reports (Utah Department of Agriculture and Food) **Status**: Implemented – corrective action taken.
2018-023	2018	**Finding**: Error in Reimbursement Request Calculation (Utah Department of Agriculture and Food) **Status**: Implemented – corrective action taken.
2018-024	2018	**Finding**: Inadequate Controls Over Capital Asset Inventory (Utah Department of Natural Resources) **Status**: Implemented – corrective action taken.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF JUSTICE

Finding	Initial Year	Status of Findings and Questioned Costs
2017-018	2017	**Finding**: Inadequate Internal Controls and Noncompliance with Federal Cash Management Requirements (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Questioned Costs**: $139,194 Per their management decision letter dated March 19, 2019, the U.S. Department of Justice, Office of Justice Programs is not requesting return of the $139,194 questioned costs. **Status**: Repeated in fiscal year 2018, see finding 2018-027.
2018-025	2017	**Finding**: Internal Control Deficiencies Over and Errors in Financial & Performance Reporting, Matching, and Earmarking (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Status**: Partially corrected. **Reasons for Recurrence**: This finding reoccurred due to lack of staff availability and training, in addition to unforeseen policy amendments and updates. **Partial Corrective Action Taken**: The Utah Office for Victims of Crime (UOVC) policies were updated January 3, 2017 and July 28, 2018 to enhance internal controls over the preparation of financial and performance reports as well as direction to use expenditures recorded in FINET to ensure accuracy in reporting. Effective January 28, 2019, UOVC's monitoring policy was updated, stating that grant analysts are required to review quarterly PMT reports. Effective March 1, 2019, UOVC implemented a policy requiring subrecipients to submit supporting documentation for all match funds for each billing. UOVC grant analysts review this supporting documentation at the time it is submitted. Beginning May 1, 2019, auditors verified that subrecipients had supporting documentation for their PMT reports during the annual desk review. All UOVC federal grant funded and federal grant management staff attended a two-day federal grant management training from the federal entity's grant management training contractor on June 6 and 7, 2019. This training was coordinated by the Commission on Criminal and Juvenile Justice (CCJJ) for all such CCJJ and UOVC staff. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-017. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: August 31, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF JUSTICE (continued)

2018-026	2017	**Finding**: Inadequate Internal Controls and Noncompliance with Subrecipient Monitoring Requirements (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Status**: Partially corrected. **Reasons for Recurrence**: This finding reoccurred due to lack of staff availability and training as well as issues coordinating with the grants management system regarding risk assessments and documentation of monitoring activities. **Partial Corrective Action Taken**: In fiscal year 2019 the Utah Office for Victims of Crime (UOVC) began documenting risk assessments in the online grants management system. UOVC added an audit manager in October 2018 who has education and professional experience in auditing, and this staff's focus is on internal and external grant compliance to help address these concerns. An additional auditor was hired in May 2019 to assist in completing desk reviews and site visits of subrecipients. All UOVC federal grant funded and federal grant management staff attended a two-day federal grant management training from the federal entity's grant management training contractor on June 6 and 7, 2019. This training was coordinated by the Commission on Criminal and Juvenile Justice (CCJJ) for all such CCJJ and UOVC staff. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-018. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: August 31, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF JUSTICE (continued)

2018-027	2017	**Finding**: Timing and Calculation Errors in Federal Cash Draws (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Status**: Partially corrected. **Reasons for Recurrence**: This finding reoccurred due to lack of staff training and timing of policy full implementation. **Partial Corrective Action Taken**: The Utah Office for Victims of Crime (UOVC) policies specific to this finding were updated on July 28, 2018. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-019. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: August 31, 2019
2018-028	2018	**Finding**: No Allocation of Leave Balances Between Activities (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Status**: Partially corrected. **Reasons for Recurrence**: This finding reoccurred due to lack of staff training and availability of recorded data and information in the state time management system, timing of policy implementation. **Partial Corrective Action Taken**: Training has occurred with all grant funded staff, their time approval supervisors and the agency financial manager. The financial manager has been provided additional access to the state's time entry system for the purpose of additional review of time entry. All Utah Office for Victims of Crime (UOVC) federal grant funded and federal grant management staff attended a two-day federal grant management training from the federal entity's grant management training contractor on June 6 and 7, 2019. This training was coordinated by the Commission on Criminal and Juvenile Justice (CCJJ) for all such CCJJ and UOVC staff. **Corrective Action Planned**: Continued training, monitoring and access permission to the state's time reporting system will be pursued to assure proper reporting and tracking occurs. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: August 31, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF JUSTICE (continued)

2018-029	2018	**Finding**: Improper Crime Victim Compensation Expenditures (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Questioned Costs**: $12,224 The Utah Commission on Criminal and Juvenile Justice has not received a management decision regarding the questioned costs. **Status**: Partially corrected. **Reasons for Recurrence**: Payment errors: Timing of policy implementation and period of review. Waived insurance requirements: Internal policy not codified in administrative rule. **Partial Corrective Action Taken**: The Reparations Program Manager continues weekly staff meetings and one on one coaching with reparations staff as well as periodic random reviews of claims. Additional training and review of payment and other processes and standards increased. A draft administrative rule codifying insurance waivers was presented to the Utah Office for Victims of Crime Board and approved June 11, 2019 and will be submitted to Rules for adoption. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-014. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: August 31, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF JUSTICE (continued)

2018-030	2018	**Finding**: Internal Controls Over Federal Cash Management Requirements not Established (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Status**: Partially corrected. **Reasons for Recurrence**: This finding reoccurred due to lack of staff availability and training, timing of policy implementation and additional amendments and updates. **Partial Corrective Action Taken**: The Utah Office for Victims of Crime (UOVC) policies specific to this finding were updated January 2017 and July 2018. All UOVC federal grant funded and federal grant management staff attended a two-day federal grant management training from the federal entity's grant management training contractor on June 6 and 7, 2019. This training was coordinated by the Commission on Criminal and Juvenile Justice (CCJJ) for all such CCJJ and UOVC staff. **Corrective Action Planned**: Administrative costs drawn from grants are drawn monthly rather than quarterly as had historically been the case. Drawn amounts are verified to balance to expenditures in FINET and reviewed by agency director or financial manager. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: August 31, 2019

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF JUSTICE (continued)

2018-031	2018	**Finding**: Internal Control Deficiencies Over and Errors in Financial & Performance Reporting (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Status**: Partially corrected. **Reasons for Recurrence**: This finding reflects primarily a change in federal reporting criteria implemented in 2015 and the added criteria not previously being tracked in Utah Office for Victims of Crime's (UOVC) data system. It also reflects differences in the definition and categorization of crimes in state law and that of the data requested in federal report. **Partial Corrective Action Taken**: The UOVC director and financial manager have communicated with and consulted with the federal entity to assure compliance with, to the best of their ability, the performance reporting requirements and the annual certification form and to resolve matters prior to the end term of the compliance "grace period." All UOVC federal grant funded and federal grant management staff attended a two-day federal grant management training from the federal entity's grant management training contractor on June 6 and 7, 2019. This training was coordinated by the Commission on Criminal and Juvenile Justice (CCJJ) for all such CCJJ and UOVC staff. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-016. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: August 31, 2019 and ongoing.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

U.S. DEPARTMENT OF JUSTICE (continued)

2018-032	2018	**Finding**: Inadequate Internal Controls Over Period of Performance (Commission on Criminal and Juvenile Justice, Utah Office for Victims of Crime) **Status**: Not corrected. **Reasons for Recurrence**: Utah's Reparation Program is a state-administered program established in Utah law and funded primarily with state dollars comprised of the fluctuating amounts collected monthly from a surcharge on criminal fines penalties and fees. The agency does not have a set legislative appropriated amount upon which to plan each year. The program also receives a federal formula grant based upon the amount expended the prior year. The federal program does not require each specific expenditure be identified as having been made with state or federal funds. Utah Office for Victims of Crime's (UOVC) has historically drawn from the federal grant when it appears the state surcharge will be inadequate to meet current and anticipated expenditures. This permits the greatest degree of flexibility and solvency for the agency. UOVC is however, evaluating the most effective manner of addressing the finding of the auditor. **Partial Corrective Action Taken**: UOVC continues its consultation with the awarding federal entity and the other state's administering agencies who also receive this grant funding. UOVC is contemplating and developing resolutions which will provide the level of accountability the auditor determines necessary, which also enable the agency to complete its mission. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-015. **Contact Person**: Gary Scheller, Director UOVC, 801-238-2362 **Anticipated Completion Date**: On going.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

GENERAL FINDINGS

Finding	Initial Year	Status of Findings and Questioned Costs
2018-001	2018	**Finding**: Inadequate Internal Controls Over Uncollectible Tax Estimates Used in Financial Reporting (Utah State Tax Commission) **Status**: Implemented – corrective action taken.
2018-033	2011	**Finding**: Working Capital Reserves in Excess of Federal Guidelines (Utah Department of Administrative Services) **This finding was issued to four internal service funds (ISF) in the Department of Administrative Services. A status is presented for each ISF.** DIVISION OF PURCHASING AND GENERAL SERVICES **Status**: Partially corrected. **Reasons for Recurrence**: Cooperative Contract Management: This fund still has working capital reserves above the federally allowed amount. The Division of Purchasing and General Services (Division) has been decreasing its administrative fees each time a contract expires and is rebid. This, however, is a slow process since contracts only expire and are rebid every five years and the Division has nearly 1,100 state cooperative contracts. The Division has also experienced an increase in the usage of its state cooperative contracts by public entities each year over the past seven years. With this increase in the usage of state cooperative contracts has come a corresponding increase in the collection of administrative fees. If the adjustment of fees had simply involved decreasing the fees on a fixed usage of the contracts, the Division would have been able to reduce their retained earnings much sooner. Print Services: This fund still has working capital reserves above the federally allowed amount. Print Services expenses increased from the prior year, which resulted in a net operating loss, but it was not enough to eliminate the excess reserve balance. The excess amount has decreased significantly, however, from $80,573 as of June 30, 2018, to $20,623 as of June 30, 2019. State Surplus Property: State Surplus Property will be relocating in 2021 when the Utah State Prison is relocated. State Surplus will need to use these excess reserves to invest in a new building. The excess reserves are anticipated to continue until that time.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

GENERAL FINDINGS (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-033 (continued)	2011	**Partial Corrective Action Taken**: Cooperative Contract Management: The Division continues to decrease the administrative fees on each of its state cooperative contracts as each contract expires and is rebid. The Division is allowed under law to collect up to a 1.0 % administrative fee on each cooperative contract. Currently, the average administrative fee is 0.38 %. In addition, the Division has also hired two additional employees and invested in a new contract usage system and analytics tool. The new system and additional employees will help improve the management of its cooperative contracts. The system also will assist the Division in anticipating usage and decreasing the administrative fees of appropriate contracts. Print Services: Print Services has reviewed and decreased its administrative fees. State Surplus Property: State Surplus will use the excess reserve funds to invest in a new building when they relocate in 2021. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-023. **Contact Person**: Christopher Hughes, Director, 801-538-3254 **Anticipated Completion Date**: Cooperative Contract Management – June 30, 2022, Print Services – June 30, 2020, State Surplus Property – June 30, 2021. **DIVISION OF FINANCE** **Status**: Implemented – corrective action taken. (Purchasing Card Services)

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

GENERAL FINDINGS (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-033 (continued)	2011	**DIVISION OF RISK MANAGEMENT** **Status**: Partially corrected. **Reasons for Recurrence**: Workers' Compensation: The Division was unaware of the magnitude of the adjustments to calculate the federal retained earnings balance and had worked to decrease just the retained earnings balance on the FINET accounting system so it was less than the retained earnings balance allowed by federal regulations. Property Self Insurance: The Property fund had lower than anticipated claims in FY 2019, increasing the retained earnings balance. **Partial Corrective Action Taken**: Workers' Compensation: The Division transferred $5.5 million out of the fund during FY 2018 and FY 2019 to reduce the retained earnings balance. The Division has also requested a rate decrease beginning in FY 2020. The Division will be requesting an additional $1 million transfer out of this fund in FY 2020. Property Liability Self Insurance: The Division used a lower property rate than the actuary recommended for FY 2019 and FY 2020, and will use a lower property rate than the actuary recommended for FY 2021 to reduce retained earnings. The Division will watch results and request a rate for FY 2022 appropriate to keep retained earnings with in the 60-day federal guidelines. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-023. **Contact Person**: Brian Nelson, Director, 801-538-9576 **Anticipated Completion Date**: Workers Compensation Fund: June 30, 2020 Property Fund: June 30, 2021 **DIVISION OF FLEET OPERATIONS** **Status**: Implemented – corrective action taken. (Motor Pool and Travel Office)

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

GENERAL FINDINGS (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-034	2011	**Finding**: Working Capital Reserves in Excess of Federal Guidelines (Utah Department of Human Resource Management) **Status**: Partially corrected. (Human Resources Field Services – Implemented, Payroll Field Services – Not implemented) **Reasons for Recurrence**: The excess retained earnings for Payroll Field Services was caused by lower than anticipated expenses. **Partial Corrective Action Taken**: The Department of Human Resource Management (DHRM) is evaluating the Payroll Field Services' rate for fiscal year 2020 and will adjust it prior to billing, if necessary. DHRM anticipates this retained earnings balance will be in compliance with the 60-day working capital limit by June 30, 2020. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-024. **Contact Person**: Paul Garver, Executive Director, DHRM 801-538-3185 and Robbie Bullock, Human Resources Analyst, 801-538-3174 **Anticipated Completion Date**: June 30, 2020
2018-035	2018	**Finding**: Working Capital Reserves in Excess of Federal Guidelines (Utah Department of Technology Services) **Status**: Partially corrected. (Hosting Services – Not implemented, Network Services – Implemented) **Reasons for Recurrence**: The adoption of cloud based hosting technologies has been slower than anticipated due to an effort by the Department of Technology Services (DTS) to implement strong governance and best practices in this area. DTS has also taken a conservative approach regarding spending by only investing in the infrastructure needed in the near term with the expectation that they will need to increase investment as cloud based hosting usage increases. **Partial Corrective Action Taken**: DTS gave significant mid-year rate reductions and rebates in both FY 2018 and FY 2019 to Hosting Services customers of about $1.3 million and $900 thousand respectively. In addition, DTS has proposed rates for FY 2020 and FY 2021 which are lower than the projected actual costs to provide this service. This was done in order to further draw down Hosting Services retained earnings by about $1.7 million in FY 2020 and $900 thousand in FY 2021.

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

GENERAL FINDINGS (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-035 (continued)	2018	The advent and adoption of cloud based hosting technology will continue to change DTS operations and demand for DTS Hosting Services. As part of the DTS strategic plan, DTS will take advantage of cloud based hosting to provide even more efficient services. DTS is positioned to assist customers with a switch from hosting with DTS in the State Data Center to hosting with another provider. This switch will impact revenue; funds that would have been paid to DTS will now be paid to an outside vendor. Finally, many agencies are taking advantage of software as a service which, in some instances, moves the hosting services away from DTS to a vendor used by the software company. DTS currently estimates it will lose at least $1.1 million to cloud based hosting services alone in FY 2020 and another $1 million in FY 2021. These amounts are conservative estimates and if cloud based hosting services adoption continues to rise, DTS will likely see additional revenue shortfalls. As customers continue to transition from DTS Hosting services to cloud based hosting services, DTS will closely track the impact to Hosting Services revenues and expenses. DTS will annually review and adjust rates and will issue mid-year rebates if necessary to bring DTS Hosting Services into compliance with federal excess reserve guidelines by the end of FY 2022. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan in finding 2019-025. **Contact Person**: Dan Frei, Finance Director, 801-538-3459 **Anticipated Completion Date**: June 30, 2022
2018-036	1997	**Finding**: Working Capital Reserves in Excess of Federal Guidelines (Public Employees Health Program) **Status**: Partially corrected. **Reasons for Recurrence**: The Public Employees Health Program (PEHP) State Medical, State Dental, Long-term Disability, and Medicare Supplement programs still have working capital reserves above the federally allowed amounts. This is because it is difficult to predict actual trends and experience. Actual results in claims experience that are different than PEHP's initial assumptions have a significant impact on the level of working capital reserves. **Partial Corrective Action Taken**: State Medical – As previously agreed with Cost Allocation Services (CAS), PEHP has refunded the federal portion of the excess reserve balance in this program as of June 30, 2018. Due to favorable claim experience, cost cutting measures, and higher than projected investment income, actual results were much better than expected in this program for fiscal year ending June 30, 2019. As a result, this program had reserves in

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS

FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019

Status as of June 30, 2019

GENERAL FINDINGS (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-036 (continued)	1997	excess of the federally allowed amount as of June 30, 2019. PEHP plans to issue a $30 million experience dividend from this program to participants in May 2020. This experience dividend is expected to bring the reserves in this program down to the federally allowable amount. When the State of Utah receives their share of the $30 million experience dividend from PEHP, the Division of Finance will calculate the federal portion and submit it to CAS for their review and approval. State Dental – PEHP paid out a $4 million experience dividend to reduce the excess reserves in this program in fiscal year 2017. PEHP also did not increase the premium rate for this program for fiscal year 2018 and decreased the rate 2.89% for fiscal year 2019. Even with these measures, this program had an excess reserve balance above the federally allowed amount for fiscal year 2019. As previously agreed, PEHP will request the Division of Finance to calculate the federal portion of this excess reserve balance and submit it to CAS for their review and approval. Long-term Disability – PEHP paid out a $5.5 million experience dividend to reduce the excess reserves in this program in fiscal year 2017. PEHP also lowered the premium rate for this program from 0.6% to 0.5%. As previously agreed, PEHP has also refunded the federal portion of the excess reserve balance in this program as of June 30, 2018. Due to favorable claim experience and cost-cutting measures, this program still had reserves in excess of the federally allowed amount at June 30, 2019. PEHP plans to request approval from CAS for an additional year to study the current rates in relationship to claim trends. If there is still an excess reserve balance as of June 30, 2020, PEHP plans on refunding the federal portion of the excess reserve balance as of that date. Medicare Supplement – Due to the large changes in the reserve for this program, the rate for calendar year 2019 was increased 3% from the prior year. The rate for calendar year 2020 was increased 4% and is expected to meet actual medical trend costs; whereas the rate for Medicare Part D was decreased by 6.5%. This program has recently had favorable claim experience and received pharmacy subsidies greater than expected amounts. PEHP plans to request approval from CAS for an additional year from the previously agreed upon excess reserve elimination deadline date of June 20, 2019 to determine if an excess reserve actually exists in this program. However, if this program continues to have excess reserves at June 30, 2020, PEHP plans on refunding the federal portion of the excess reserve balance as of that date. **Corrective Action Planned**: Planned corrective action is described in the current year's Corrective Action Plan for finding 2019-026. **Contact Person**: Robert Dolphin, Chief Financial Officer, 801-366-7429 **Anticipated Completion Date**: June 30, 2021

SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR YEARS PRIOR TO THE YEAR ENDED JUNE 30, 2019
Status as of June 30, 2019

GENERAL FINDINGS (continued)

Finding	Initial Year	Status of Findings and Questioned Costs
2018-037	2018	**Finding**: Working Capital Reserves in Excess of Federal Guidelines (Utah State University) **Status**: Implemented – corrective action taken.
2018-038	2018	**Finding**: Cost Allocation Implementation Errors (Utah Department of Workforce Services) **Status:** Partially corrected. **Reasons for Recurrence:** The corrective action required implementation of additional reviews. As a result of the coordination and resources required to implement the additional reviews, the corrective action was not in place for the majority of the fiscal year. **Partial Corrective Action Taken:** The Utah Department of Workforce Services strengthened existing internal controls to ensure that costs are appropriately recorded and to ensure that costs are allocated in accordance with the department's federally-approved public assistance cost allocation plan. Specifically, the department (1) implemented additional reviews to ensure that costs are appropriately recorded directly to federal or state programs or to an appropriate cost center, and (2) added a review of the monthly cost allocation preparation by the department's budget manager to ensure that random moment time study distributions include all appropriate strikes. The corrective action was fully implemented as of December 31, 2018. **Corrective Action Planned:** The corrective action was completed, but was not in place for the majority of the fiscal year. **Contact Person:** Nathan Harrison, Finance Director, 801-526-9402 **Anticipated Completion Date:** December 31, 2018.

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FOR THE FISCAL YEAR
ENDED JUNE 30, 2019

2019

STATE OF UTAH

Comprehensive Annual Financial Report

State of Utah
COMPREHENSIVE ANNUAL FINANCIAL REPORT
For The Fiscal Year Ended June 30, 2019

CONSTITUTIONAL OFFICERS OF THE STATE OF UTAH

Gary R. Herbert............Governor
Spencer J. Cox............Lt. Governor
John Dougall............State Auditor
David C. Damschen, CTP............State Treasurer
Sean D. Reyes............Attorney General
J. Stuart Adams............President of the Senate
Brad R. Wilson............Speaker of the House
Matthew B. Durrant............Chief Justice, Supreme Court

OTHER STATE OFFICIALS

Tani Pack Downing............Executive Director, Department of Administrative Services
John C. Reidhead, CPA............Director, Division of Finance
Kristen Cox............Director, Governor's Office of Management and Budget
Jonathan C. Ball............Director, Office of the Legislative Fiscal Analyst
Kade R. Minchey, CIA, CFE............Auditor General, Office of the Legislative Auditor General
John Q. Cannon............Director, Office of Legislative Research and General Counsel

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Special appreciation is given to all of the budget and accounting officers throughout the State whose extra time and effort has made this report possible. Thank you also to Clark Kidman at Design Type Service for providing images and captions displaying Utah's many opportunities for outdoor recreation.

DAS | Utah Department of Administrative Services

Division of Finance Accounting Standards
and Financial Reporting Section

State of Utah
COMPREHENSIVE ANNUAL FINANCIAL REPORT
For the Fiscal Year Ended June 30, 2019
Table of Contents

INTRODUCTORY SECTION Page

FINANCIAL SECTION

Continues on next page

State of Utah
COMPREHENSIVE ANNUAL FINANCIAL REPORT
For the Fiscal Year Ended June 30, 2019
Table of Contents

Supplementary Information – **Combining Statements and Individual Fund Statements and Schedules** – Governmental Funds (continued) Page

STATISTICAL SECTION

State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of Administrative Services

Tani Pack Downing
Executive Director

Division of Finance
John C. Reidhead, CPA
Director

November 25, 2019

To the Citizens, Governor,
and Members of the Legislature
of the State of Utah:

It is our pleasure to present the 2019 Comprehensive Annual Financial Report of the State of Utah in accordance with Section 63A-3-204 of the *Utah Code*. Responsibility for the accuracy of the data and the completeness and fairness of the presentation, including all disclosures, rests with the State's management. To the best of our knowledge and belief, the enclosed data accurately presents the State's financial position and results of operations in all material respects in accordance with generally accepted accounting principles (GAAP). We believe that all disclosures necessary to enable the reader to gain an understanding of the State's financial activities are included.

Internal Control – The State's systems of internal control over assets recorded in the accounting system have been designed to provide reasonable, but not absolute, assurance of safeguarding assets against loss from unauthorized use or disposition and to ensure the reliability of financial records for preparing financial statements. The concept of reasonable assurance recognizes that the cost of a control should not exceed the benefits likely to be derived and that the evaluation of costs and benefits requires estimates and judgments by management.

Independent Auditors – In compliance with state statute, an annual financial audit of the "State Reporting Entity" is completed each year by the Office of the State Auditor in conjunction with other independent audit firms. Their audits were conducted in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States. The State Auditor's report and the opinion on the fair presentation of the Basic Financial Statements are included in the Financial Section of this report.

Single Audit – Federal regulations also require the State to undergo an annual "Single Audit" in conformance with the Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Information related to the Single Audit, including the Schedule of Expenditures of Federal Awards, Schedule of Findings and Questioned Costs, Summary Schedule of Prior Audit Findings, and the State Auditor's report, is issued in a separate report.

Management's Discussion and Analysis (MD&A) – The discussion and analysis provides an overview and analysis of the State's Basic Financial Statements. This letter of transmittal is intended to complement the MD&A and should be read in conjunction with it.

PROFILE OF THE GOVERNMENT

Structure – As shown in the Organizational Chart, state government is divided into three separate branches: legislative, executive, and judicial. The duties of each branch are outlined in the *Utah Constitution*, which can be amended only by vote of the Legislature and a majority vote of the State's citizens, and in the *Utah Code*, which can be amended by the Legislature or by citizen initiatives. State government provides various services to over 3,212,000 citizens. Services include building and maintaining roads; providing public safety, health, and environmental protection services to protect the general welfare of the State's citizens; helping adults, children, and families through difficult times such as abuse, divorce, illness, death, and unemployment; fostering an attractive business climate to encourage economic growth; and protecting public lands and natural resources for conservation and recreational activities. The State also provides significant financial support to its higher education institutions, local governments, and school districts to help those entities meet the specific needs of their constituents.

The State Reporting Entity – The State Reporting Entity includes the *primary government* and its *discretely presented component units.* The *primary government* of the State of Utah includes all funds, departments, boards, and commissions that make up its legal entity. In addition to these *primary government* activities, this report includes information related to discretely presented component units for which the primary government is financially accountable. Although such information is provided in this report, the MD&A and Basic Financial Statements focus on the primary government and its activities. Separately issued financial statements are available from the significant discretely presented component units and should be read to obtain a better understanding of their financial conditions. Additional information on all discretely presented component units can be found in Note 1. A. to the financial statements.

Budgetary Process and Control – The *Utah Constitution* requires that budgeted expenditures not exceed estimated revenues and other sources of funding, including beginning fund balances. Annually, the Governor is required to submit a balanced budget for the governmental funds with an annual appropriated budget (General, Education, Transportation, Transportation Investment, and Debt Service Funds), by function (e.g., health), and activity (e.g., medical assistance) to the Legislature. The Legislature authorizes expenditures by line item in the annual *Appropriations Acts*. Line item is the legal level of budgetary control. The Acts also identify the sources of funding for budgeted expenditures. In the event actual revenues are insufficient to cover budgeted expenditures, the Governor must order budget reductions or call a special session of the Legislature to address budget issues. Adjustments to the budget may also be made throughout the year for changes in departmental or fund revenues so that line items and funds will not end the fiscal year in a deficit position. For additional information on the budgetary process and control, see the Required Supplementary Information and related notes.

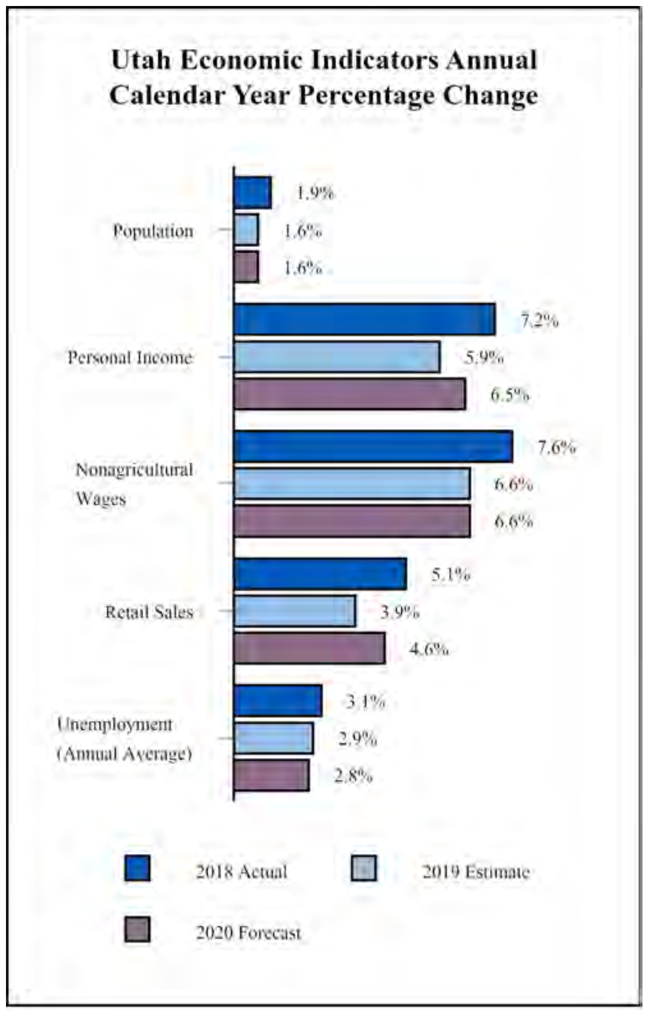
INFORMATION USEFUL IN ASSESSING A GOVERNMENT'S ECONOMIC CONDITION

Local Economy – The Utah economy continues to outperform national averages. Utah's economy is expected to grow moderately through 2020 on the strength of steady job and wage growth.

Utah's unemployment rate averaged 3.1 percent in calendar year 2018, and is expected to decrease to an average of 2.9 percent in 2019, and 2.8 percent in 2020. In 2018, personal income increased by 7.2 percent and nonagricultural wages increased by 7.6 percent. In 2019, personal income is expected to increase by 5.9 percent and nonagricultural wages are expected to increase by 6.6 percent. Taxable retail sales increased by 5.1 percent in 2018 and are expected to increase by 3.9 percent in 2019.

Total construction value was $8.5 billion in 2018, a 3.7 percent increase from the prior year. In 2019, total construction value is expected to increase to $9.2 billion, an 8.2 percent increase due to continued strength in residential and commercial construction. Residential construction was $5.2 billion in 2018, a 10.6 percent increase from the prior year. Residential permit value is expected to increase 7.7 percent to $5.6 billion in 2019. Nonresidential construction was $2.2 billion in 2018, a 4.3 percent decrease from the prior year, but still well above the annual average since 2000 of $1.7 billion (inflation adjusted). Nonresidential construction is expected to increase 4.5 percent in 2019.

In 2019, Utah's population is estimated at 3,212,000, which is an increase of 1.6 percent over the prior year. Utah had positive net migration of approximately 29,100 people in 2018 and is expected to grow by 22,900 in 2019. Utah has had positive net migration for the past 29 years and this trend is expected to continue in the coming years.



Source: State of Utah Revenue Assumptions Working Group, Moody's Economy.com, and IHS Global Insight.

Industries – Utah's job market has grown 32.6 percent since hitting a low point at the beginning of 2010. At the end of fiscal year 2019, Utah's unemployment rate was the fifth lowest in the nation. Utah's nonagricultural employment is expected to increase by 2.8 percent in 2019 and by 2.3 percent in 2020, which is below the Utah average yearly rate of 3.1 percent (1950 through June 2019). All industrial sectors added jobs to Utah's employment base. Professional and business added 10,200 jobs, with administration, waste management, and remediation contributing most of the gains. Education and health services added 10,000 jobs, with the largest increase in health services and social assistance. Manufacturing added 6,300 jobs, primarily in durable goods. Construction added 5,800 jobs, with specialty trade contractors adding the most jobs. The results for August 2018 to August 2019 are presented in the following table:

Jobs by Industry of Utah's Labor Force
(expressed in thousands)

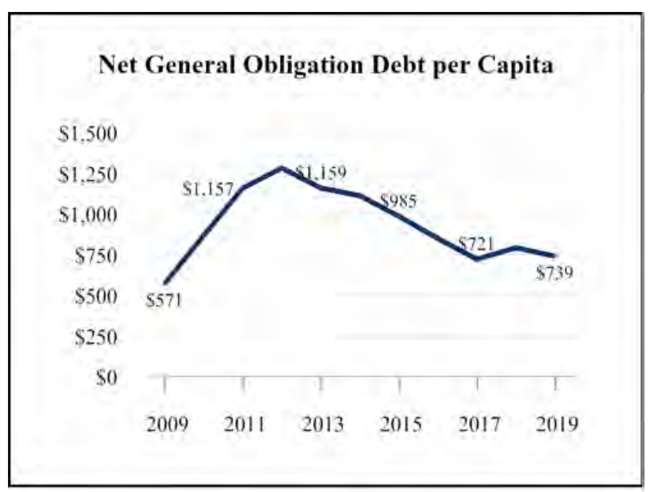
	Number of Jobs				Components of Labor Force
	August (p) 2019	**August (r) 2018**	**Numerical Change**	**Percentage Change**	**August (p) 2019**
Trade, Transportation, and Utilities	290.20	287.80	2.40	0.83%	18.56 %
Professional and Business	229.00	218.80	10.20	4.66%	14.66 %
Education and Health Services	209.70	199.70	10.00	5.01%	13.42 %
Government (Local/Federal)	157.70	155.90	1.80	1.15%	10.09 %
Leisure and Hospitality	158.10	154.70	3.40	2.20%	10.12 %
Manufacturing	140.10	133.80	6.30	4.71%	8.97 %
Construction	113.50	107.70	5.80	5.39%	7.26 %
Financial Activities	91.20	88.80	2.40	2.70%	5.84 %
Government (State/Higher Ed.)	78.70	78.00	0.70	0.90%	5.04 %
Other Services	43.40	42.20	1.20	2.84%	2.78 %
Information	40.80	39.60	1.20	3.03%	2.61 %
Natural Resources and Mining	10.10	9.60	0.50	5.21%	0.65 %
Total	**1,562.50**	**1,516.60**	**45.90**		**100.00%**

Source: Utah Department of Workforce Services and the U.S. Bureau of Labor Statistics, August 2019.
(p) = preliminary (r) = revised

Outlook – The national economy is expected to continue to grow moderately in the last half of 2019 and decelerate in 2020. The Utah economy continues to grow more rapidly than the nation. Utah's young, educated workforce, diverse mix of industries, and appealing business climate continue to be advantages for the Utah economy. Despite this positive outlook, downside risks remain. Risks to the Utah economy include the supply of workers, housing affordability, interest rates, and air quality issues. Overall, Utah is expected to grow moderately barring any major disruptions to the national and global economies.

FINANCIAL PLANNING AND POLICIES

General Obligation Debt Administration – As part of long-term financial planning, the State has used a combination of bonding and pay-as-you-go methods to meet its infrastructure needs. In fiscal years 2009 through 2014, under budget constraints coupled with a low interest rate environment, the State elected to increase its debt by issuing bonds for highway and/or building projects that otherwise would have been funded from current resources. During the years debt was issued, the State continued to fund some projects with cash. In fiscal years 2015 and 2016, the State continued its prudent fiscal management by paying cash for most building, highway, and other projects. In fiscal year 2015, the State authorized $474.7 million in general obligation debt for the new prison project. There were no general obligation bond issuances, authorizations, or refundings in fiscal year 2016.



In fiscal year 2017, the State authorized $1.047 billion in general obligation bonds for highway construction projects and authorized an additional $101 million for the prison project. In fiscal year 2018, the State authorized no new general obligation bonds, but issued $295.8 million for highway construction projects and $189.4 million for the prison project from prior authorizations. The State also advance refunded $118.7 million of general obligation bonds to take advantage of the low interest rate environment. In fiscal year 2019, the State issued $127.7 million for highway construction projects from prior bond authorizations. As of June 30, 2019, the State's general obligation debt per capita was $739. The State has an aggressive policy of repaying its general obligation debt within ten years for debt associated with capital facilities and fifteen years for highway construction projects. More information about the State's long-term debt is found in Note 10 to the Basic Financial Statements.

Revenue and Expenditure Forecasts – Economists and budget analysts from the Executive and Legislative branches of government work with experts from the private sector and academia to develop the consensus revenue forecast used for establishing the State's annual budget. The final 2019 consensus revenue forecast projected an increase of 5.7 percent in fiscal year 2019 from 2018 actual revenue for the General and Education Funds combined. For fiscal year 2020, 4.8 percent growth is projected. The long-term average revenue growth rate, adjusted for inflation, was approximately 3.5 percent for fiscal periods 1971 through 2018. See the Budgetary Highlights – General Fund in the MD&A for a comparison of budgeted to actual results for fiscal year 2019.

Budget Stabilization – In accordance with Sections 63J-1-312 and 313 of the *Utah Code*, the State maintains the General Fund Budget Reserve Account in the General Fund (the "Rainy Day Fund") and an Education Fund Budget Reserve Account in the Education Fund (the "Education Reserve"). State law requires 25 percent of any revenue surplus in the General Fund to be deposited in the Rainy Day Fund after any required Medicaid growth savings transfer is made (see Medicaid Sustainability section below) and 25 percent of any revenue surplus in the Education Fund to be deposited in the Education Reserve, in each case up to a statutory limit. State law limits the totals of the Rainy Day Fund and Education Reserve based on the amount of appropriations from the General Fund and Education Fund, respectively, for the fiscal year in which the surplus occurred. For additional information on the State's budget stabilization accounts see Note 12.B.

Medicaid Sustainability – The State implemented reforms in the Medicaid program in an effort to bring Medicaid growth more in line with overall state revenue growth. The reforms align financial incentives in the health care system by replacing the fee-for-service model with one or more risk-based delivery models. When a General Fund revenue surplus occurs, an amount representing the Medicaid growth savings from the risk-based delivery models will be deposited into the "Medicaid Budget Stabilization Account." The account will then be used to meet the growing needs in the program in years when growth is expected to be at least 8 percent. For additional information on the State's budget stabilization accounts, see Note 12.B.

Public Education Growth – Projections indicate that an additional 6,800 new students will enroll in fall 2019. Due to the current and future enrollment growth, and the demands it places on state funding, public education continues to be a top priority for the Governor and the Legislature. The Office of the Legislative Fiscal Analyst has developed a public education distribution model that allows legislators to see how proposed education policy changes will impact funding.

Federal Funding – In an effort to prepare for potential future reductions in federal funding, Section 63J-1-219 of the *Utah Code* requires most state agencies including public education and higher education institutions to report specific federal funding information to the Legislature. Annually, these entities must report total federal receipts received the preceding fiscal year in addition to providing contingency plans in the event federal receipts are reduced by either 5 percent or 25 percent.

The Legislature created the Federalism Commission. One aspect of the Commission's responsibilities is to study and make recommendations on federal funding issues. The Commission is tasked with considering the financial stability of the federal government, the risk that the State will experience a reduction in the amount or value of federal funds, and methods to avoid or minimize the risk. Utah law requires economists and budget analysts from the Executive and Legislative branches of government to consider expected changes in federal funding when preparing the annual revenue volatility report and, if appropriate, recommend changes to amounts or limits of reserve funds. Utah law also requires the analyst to evaluate current and long-term trends relating to federal funds receipts and taxes, and prepare a three-year cycle of analysis on revenue volatility and budget matters.

In addition, all federal funds for state agencies must go through the annual appropriations process. To gain tighter control over federal grants that span several years, the Legislature also requires multiyear grants to go through an approval and summary requirements process, including approval in the annual *Appropriations Acts*.

Spending Limitation – The State has a statutory appropriations limit. The appropriations limit adjusts annually pursuant to a statutory formula based on population and inflation. The definition of appropriations includes only appropriations from General Fund and Education Fund sources (spending for public education and for transportation is exempt from the limitation). For the fiscal year ended June 30, 2019, the State was $597.068 million below the appropriations limitation.

Adequate Funding for Ongoing Programs – The Legislature works to ensure all programs have adequate ongoing funding. Coming into the 2019 General Session of the Legislature, before accounting for growth in either costs or revenues, Utah had a small temporal surplus of $14.5 million – meaning ongoing projected revenue exceeded ongoing commitments. A temporal balance is a short-term measure of structural balance. Legislators closed the 2019 General Session with a temporal surplus of $427.4 million. However, more than $300 million of this temporal surplus was from traditionally ongoing appropriations that were shifted to one-time due to uncertainty surrounding future General Fund revenue growth. A revenue restructuring task force will address this issue during the 2019 Interim, and the one-time appropriations may revert to ongoing before the 2020 General Session.

Operating/Capital Expenditure Accountability – During the 2014 General Session, the Legislature passed laws and rules to implement budget policy changes. These budget bills were, in part, aimed at smoothing revenue volatility by recognizing above trend growth, managing the volatility with rainy day deposit mechanisms, and treating windfalls as one-time revenue. The Legislature added in-depth budget reviews to the regular budget process. The legislation also required that the Office of the Legislative Fiscal Analyst prepare, before each annual general session of the Legislature, a summary showing the current status of the State's debt, long-term liabilities, contingent liabilities, General Fund borrowing, reserves, fund and nonlapsing balances, and cash-funded capital investments, as compared to the prior nine fiscal years. In addition, the Legislative Fiscal Analyst also implemented a "fiscal health dashboard" website where legislators and citizens can quickly and easily check Utah's fiscal health.

MAJOR INITIATIVES

During fiscal year 2019, the State of Utah continued to rank among the top states in private sector job growth and overall job growth. Due to continued economic expansion, the consensus revenue forecast adopted during the 2019 General Session anticipates that fiscal year 2020 will mark the tenth consecutive year of growth in unrestricted General Fund and Education Fund revenue collections.

Approximately $1.1 billion in new unrestricted revenue was available for appropriation during the 2019 General Session from the fiscal year 2018 surplus and revenue growth forecast for fiscal years 2019 and 2020. Under the consensus forecast, $670 million of this revenue was available for ongoing appropriations and $429 million for one-time appropriations. An additional $44 million was available due to a legal settlement, fiscal note bills and balance transfers, and future tax changes. Highlights of new appropriations for public and higher education, infrastructure, and other priorities are summarized below.

Public Education – The Legislature provided $303 million in new ongoing state-directed funding for the K-12 education system. Among other things, this new funding will support enrollment growth, local decisions about increases in teachers' compensation, additional support for students at risk of academic failure, greater access to technology for instructional purposes, expansion of the Dual Language Immersion programs, student safety programs, and greater access to school counseling services.

Higher Education – The Legislature provided $105 million in new ongoing state funding for the postsecondary-education systems. Among other things, this new funding will support enrollment growth, efforts to further align educational offerings with workforce demands and efforts to knock down barriers to graduation.

The Legislature provided $150 million in new one-time state funding for the construction or renovation of three postsecondary-education facilities: Dixie State University Science Building, the Utah Valley University Business Building, and the Weber State University Engineering and Applied Science Building.

The 2019 General Session initiated several changes to higher education capital facilities funding mechanisms. The Legislature created two new higher education capital facilities funds, one for the Technical Colleges, and the other for Higher Education and shifted funding from the ongoing appropriation of $87 million to the Capital Projects Fund. The Legislature also expressed intent to appropriate $7 million one-time in fiscal year 2021 and $14 million ongoing beginning in fiscal year 2022 to the Technical Colleges Capital Projects Fund and $36.5 million one-time in fiscal year 2021 and $73 million ongoing beginning in fiscal year 2022 to the Higher Education Capital Projects Fund.

Social Services – Social Services programs received $61.4 million in new ongoing state general funds during the 2019 legislative session. These appropriations will address cost inflation and enrollment growth in current programs, but will also support new programs and the expansion of services associated with various pieces of legislation. The largest share of new state funds allocated to social service agencies went to the state Medicaid program. These dollars covered cost increases associated with programmatic changes, inflation and enrollment growth for individuals covered by Medicaid, and in-home waiver services.

Beyond the status quo, the 2019 General Session addressed the long-standing and much-debated issue of Medicaid expansion by expanding coverage to adults with income up to 100 percent of the Federal Poverty Level (FPL) with provisions in place to expand to 138 percent FPL if certain Medicaid waivers are not approved by the federal government. As of this writing, the Federal Center for Medicare and Medicaid Services has denied Utah's request for 90 percent federal cost sharing to serve the State's expansion population up to 100 percent FPL as contemplated by Senate Bill 96, *Medicaid Expansion Adjustments*. Consequently, the State is currently developing its next-stage Medicaid expansion waiver request, which will include coverage for newly eligible adults up to 138 percent FPL, along with various other elements such as a self-sufficiency requirement for program beneficiaries and a lock-out period for program violations.

Another noteworthy item is the State's efforts to address air quality. The Legislature appropriated $28.2 million for air quality related projects in the 2019 legislative session. That funding is for upgrades to equipment, incentives for private individuals and businesses, and messaging activities. This also includes just over $6 million for state government telework initiatives.

Transportation – With Utah's population projected to increase more than 40 percent by 2040, the State faces significant transportation needs. The fiscal year 2020 budget contains approximately $1.7 billion for the Department of Transportation (UDOT) to help ensure that Utah citizens continue to enjoy a high degree of mobility.

Other Highlights – During the 2019 General Session, the Legislature approved the equivalent of a 2.5 percent salary increase for state employees. Legislators appropriated $24.8 million General Fund to the General Fund Budget Reserve Account and $69.1 million Education Fund to the Education Fund Budget Reserve Account. The Capitol Preservation Board received $110 million one-time to address space needs for the Department of Agriculture, Department of Heritage and Arts, and agencies residing on Capitol Hill. Additionally, during the 2018 Third Special Session, the legislature appropriated $67 million in fiscal year 2019 and $110 million ongoing (plus $58 million one-time in fiscal year 2020) for cash funding of the remaining known costs of constructing a new state prison near the Great Salt Lake. The $110 million ongoing appropriation was later switched to one-time as a component of the State's revenue restructuring process.

State Employee Other Postemployment Benefit Plan – The Actuarially Determined Contribution (ADC) for the State Employee Other Postemployment Benefit (OPEB) plan was $25.9 million. The Legislature considered this ADC when establishing the OPEB budget for fiscal year 2020. The ADC represents a level of funding that, if paid on an ongoing basis, is actuarially projected to fund the unfunded liability over a period of five years.

AWARDS AND ACKNOWLEDGEMENTS

The Government Finance Officers Association (GFOA) awarded the *Certificate of Achievement for Excellence in Financial Reporting* to the State of Utah for its comprehensive annual financial report for the fiscal year ended June 30, 2018. This was the thirty-fourth consecutive year the State has achieved this prestigious award.

In order to be awarded a Certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe that our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements, and we are submitting it to GFOA to determine its eligibility for another certificate. We are committed to this effort, and we intend to maintain a highly qualified and professional staff to make this certification possible.

The preparation of this report would not have been possible without the efficient and dedicated service of the entire staff of the Division of Finance, Department of Administrative Services. We also express our gratitude to the budget and accounting officers throughout state government and the Office of the State Auditor for their assistance.

Sincerely,

John Reidhead

John C. Reidhead, CPA
Director of Finance

Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

State of Utah

For its Comprehensive Annual Financial Report for the Fiscal Year Ended

June 30, 2018

Christopher P. Morrill

Executive Director/CEO

Organization Chart

Citizens of Utah

Legislative

- Senate
- House of Representatives
- Research and General Counsel
- Fiscal Analyst
- Auditor General
- Legislative Services

Executive

- Governor
- Lieutenant Governor

- State Auditor
- State Treasurer
- Attorney General
- State Board of Education

Judicial

- Supreme Court
- Court of Appeals
- District Courts
- Juvenile Courts
- State Court Administrator

State Agencies

- Administrative Services
- Agriculture and Food
- Alcoholic Beverage Control
- Board of Pardons and Parole
- Board of Regents
- Career Service Review Office
- Commerce
- Corrections
- Environmental Quality
- Financial Institutions
- Health
- Heritage and Arts
- Human Resource Management
- Human Services
- Insurance
- Labor Commission
- National Guard
- Natural Resources
- Public Lands Policy Coordinating Office
- Public Safety
- Public Service Commission
- State Capitol Preservation Board
- Tax Commission
- Technology Services
- Transportation
- Trust Lands Administration
- Utah Science Technology and Research
- Veterans and Military Affairs
- Workforce Services

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FINANCIAL SECTION

Independent State Auditor's Report

To Members of the Utah State Legislature
and
The Honorable Gary R. Herbert
Governor, State of Utah

Report on the Financial Statements

We have audited the accompanying financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the State of Utah (State), as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the State's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We did not audit the financial statements of the following funds or entities:

- School and Institutional Trust Funds Office which represents 96 percent of the assets, 97 percent of the fund balances, and 53 percent of the revenues of the Permanent Trust Lands Fund.
- Student Assistance Programs which represent all of the assets, net position, and revenues of the Student Assistance Programs' major enterprise fund.
- Public Employees Health Program, Utah Transit Authority, University of Utah Hospitals and Clinics, the University of Utah's component units, and Utah State University Research Foundation which collectively represent 41 percent of the assets, 27 percent of the net position, and 48 percent of the revenues of the aggregate discretely presented component units.
- Utah Retirement Systems and Utah Educational Savings Plan dba my529 which represent 80 percent of the assets, 81 percent of the fund balance/net position, and 21 percent of the revenues/additions of the aggregate remaining fund information.

Those financial statements were audited by other auditors whose reports have been furnished to us, and our opinion, insofar as it relates to the amounts included for these entities, is based solely on the reports of the other auditors.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, based on our audit and the reports of other auditors, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the State as of June 30, 2019, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

During the 2018 General Session of the Utah State Legislature, the governance structure of the Utah Transit Authority was modified, creating a governing board appointed by the Governor. Due to this change in governance structure, the State can now impose its will on UTA, effective November 1, 2018. As a result, UTA is now included as part of the State of Utah's reporting entity as a major discrete component unit, and the Statement of Activities - Component Units reflects a $993.677 million increase in net position restricted for transit services. See further discussion in Note 2. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the following information- management's discussion and analysis (pages 18-30), and the budgetary comparison schedules and information about the State's pension plans, other postemployment benefit plans, and infrastructure assets reported using the modified approach (pages 136-153) - be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the State's basic financial statements. Supplementary information such as the combining and individual fund financial statements and schedules, and other information such as the introductory and statistical sections, are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The combining and individual fund financial statements and schedules (pages 158-203) are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, based on our audit, the procedures performed as described above, and the reports of other auditors, the combining and individual fund financial statements and schedules are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

The introductory and statistical sections (pages 1-11 and 207-243) have not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on them.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report, dated November 25, 2019, on our consideration of the State's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the State's internal control over financial reporting and compliance.

Office of the State Auditor

Office of the State Auditor
November 25, 2019

MD&A

Management's Discussion and Analysis

Snowboarding at Brighton Ski Resort

INTRODUCTION

The following is a discussion and analysis of the State of Utah's financial performance and condition, providing an overview of the State's activities for the fiscal year ended June 30, 2019. Please read this in conjunction with the transmittal letter in the Introductory Section of this report and with the State's financial statements that follow this section.

HIGHLIGHTS

Government-wide

- Total assets and deferred outflows of resources of the State exceeded liabilities and deferred inflows of resources by $27.588 billion (reported as net position). Of this amount, $3.167 billion (unrestricted net position) may be used to meet the government's ongoing obligations while $24.421 billion is restricted for specific uses or invested in capital assets.

- The State's total net position increased $1.278 billion or 4.86 percent over the prior year. Net position of governmental activities increased $1.178 billion or 5.17 percent. Net position of business-type activities increased $100.265 million or 2.83 percent.

Fund Level

- The governmental funds reported combined ending fund balances of $7.317 billion, an increase of $696.201 million in comparison with the prior year. Approximately 37.19 percent, or $2.721 billion of the ending fund balance is considered unrestricted (committed, assigned, or unassigned) and is available for spending either at the government's discretion or upon legislative approval.

- The General Fund ended the fiscal year with a zero dollar surplus by using $21.707 million of the $112.180 million of General Fund budgeted revenues set aside for fiscal year 2020. Because there was no revenue surplus, there were no statutory transfers from the General Fund to any stabilization or reserve accounts.

- The Education Fund ended the fiscal year with a $107.275 million surplus after a statutory transfer of $33.510 million to the Education Budget Reserve Account.

- The State's stabilization accounts, the General Fund Budget Reserve Account (Rainy Day Fund), Medicaid Budget Stabilization Account, and Education Budget Reserve Account, ended the fiscal year with balances of $225.121 million, $74.819 million, and $471.908 million, respectively.

- Sales tax revenues in the governmental funds increased $158.622 million or 5.99 percent, compared to $243.649 million or 10.14 percent increase in the prior year. Total tax revenues increased $83.919 million or 3.49 percent in the General Fund and $410.547 million or 9.15 percent in the Education Fund.

Long-term Debt

- The State's long-term bonded debt decreased by a net $416.616 million or 9.54 percent. General obligation bonds for the primary government decreased $123.801 million or 4.96 percent, while revenue bonds for the primary government decreased $292.815 million or 15.80 percent.

OVERVIEW OF THE FINANCIAL STATEMENTS

This report includes the State's Basic Financial Statements, Required Supplementary Information, and Supplementary Information. The Basic Financial Statements include three components: government-wide financial statements, fund financial statements, and notes to the financial statements.

Government-wide Statements – Reporting the State as a Whole

The Statement of Net Position and the Statement of Activities together comprise the *government-wide financial statements*. These statements provide a broad overview of the State's finances as a whole with a long-term focus and are prepared using the *full-accrual* basis of accounting, similar to private-sector companies. This means all revenues and expenses are recognized regardless of when cash is received or spent, and all assets, deferred outflows of resources, liabilities, and deferred inflows of resources, including capital assets and long-term debt, are reported at the entity level. The government-wide statements report the State's *net position*–the difference between assets and deferred outflows of resources, compared to liabilities and deferred inflows of resources–and how it has changed from the prior year. Over time, increases and decreases in net position measure whether the State's overall financial condition is improving or deteriorating. In evaluating the State's overall condition, additional non-financial factors should be considered such as the State's economic outlook, changes in its demographics, and the condition of its capital assets and infrastructure. The government-wide statements report three activities:

- *Governmental Activities* – Most of the State's basic services fall under this activity including education, transportation, public safety, courts, corrections, health, and human services. Taxes and federal grants are the major funding sources for these programs.

- *Business-type Activities* – The State operates certain activities much like private-sector companies by charging fees to customers to cover all or most of the costs of providing the goods and services. Student loans, unemployment compensation, water loan programs, and liquor sales are examples of business-type activities.

- *Component Units* – A number of entities are legally separate from the State, yet the State remains financially accountable for them. Colleges and Universities, Utah Communications Authority, and Utah State Fair Corporation are examples of discrete component units.

Fund Financial Statements – Reporting the State's Most Significant Funds

The fund financial statements provide detailed information about individual major funds, not the State as a whole. A fund is a group of related accounts that the State uses to keep track of specific resources that are segregated for a specific purpose. Some funds are required by law to exist, while others are established internally to maintain control over a particular activity. All of the State's funds are divided into three types, each of which uses a different accounting approach:

- *Governmental Funds* – Most of the State's basic services are accounted for in governmental funds and are essentially the same functions reported as *governmental activities* in the government-wide statements. Governmental funds use the *modified accrual* basis of accounting, which measures the flow of current financial resources that can be converted to cash and the balances left at yearend that are available for future spending. This *short-term* view of the State's financial position helps determine whether the State has sufficient resources to cover expenditures for its basic services in the near future.

- *Proprietary Funds* – Proprietary funds include enterprise funds and internal service funds and account for state activities that are operated much like private-sector companies. Like the government-wide statements, proprietary fund statements are presented using the *full-accrual* basis of accounting. Activities whose customers are mostly outside of state government (e.g., water loans to local governments) are accounted for in *enterprise funds* and are the same functions reported as *business-type activities.* Thus, the *enterprise fund* financial statements reinforce the information reported for *business-type* activities in the government-wide statements, but provide more detail and additional information, such as cash flows. Activities whose customers are mostly other state agencies (e.g., motor pool) are accounted for in *internal service funds*. The internal service fund activities are consolidated with the governmental activities in the government-wide statements because those services predominantly benefit governmental rather than business-type activities.

- *Fiduciary Funds* – Fiduciary funds account for assets that, because of trust relationships, can be used only for trust beneficiaries. The State is responsible for ensuring these assets are used for their intended purposes. Fiduciary funds use the *full-accrual* basis of accounting, but are *not* included in the government-wide statements because their assets are not available to finance the State's own programs.

Reconciliation between Government-wide and Fund Statements

The financial statements include reconciliation schedules that explain the differences between the amounts reported for *governmental activities* on the government-wide statements (full accrual basis of accounting, long-term focus) with amounts reported on the *governmental* fund statements (modified accrual basis of accounting, short-term focus). The following are some of the major differences between the two statements:

- Capital assets and long-term debt are included on the government-wide statements, but are not reported on the governmental fund statements.

- Capital outlay expenses result in capital assets on the government-wide statements, but are reported as expenditures on the governmental fund statements.

- Bond proceeds result in liabilities on the government-wide statements, but are other financing sources on the governmental fund statements.

- Certain tax revenues that are earned but not yet available are reported as revenue on the government-wide statements, but are deferred inflows of resources (unavailable revenue) on the governmental fund statements.

Notes to the Financial Statements

The notes provide additional information and schedules that are essential to a complete understanding of the financial statements. The notes apply to both the government-wide financial statements and the governmental fund financial statements.

Required Supplementary Information (RSI)

Following the Basic Financial Statements are budgetary comparison schedules for major funds with legally adopted budgets. In addition, RSI includes up to ten years of information on the State's pension plans, including schedules on the changes in the net pension liability and employer contributions for all systems with up to ten years of information. RSI also includes schedules for the State's defined benefit Other Postemployment Benefit Plans and condition assessment data related to infrastructure. RSI further supports the information in the basic financial statements.

Supplementary Information

Supplementary Information includes combining statements for the State's nonmajor governmental, nonmajor enterprise, internal service funds, fiduciary funds, and nonmajor discretely presented component units. This section also includes schedules which compare budgeted expenditures to actual results at the legal level of control, which is generally the line item level of the *Appropriations Acts*.

Statistical Section

This section provides up to ten years of financial, economic, and demographic information.

Adjustments to Beginning Net Position and Other Significant Changes

As discussed in Note 2 of the financial statements, governmental activities beginning net position decreased $15.469 million to reflect the removal of land improvements associated with land that was sold in previous years within the Trust Lands Permanent Fund.

Also discussed in Note 2, as a result of legislation passed during the 2018 Legislative General Session, the Utah Transit Authority is now included as part of the reporting entity of the State of Utah as a major discrete component unit. This resulted in an increase of component unit net position restricted for transit services of $993.677 million as reflected in the government-wide Statement of Activities - Component Units.

FINANCIAL ANALYSIS OF THE STATE AS A WHOLE

Net Position

The largest component of the State's net position, 62.28 percent, reflects investments in capital assets (e.g., land, buildings, equipment, intangible assets, roads, and other infrastructure) less the outstanding debt issued to finance those assets. These types of assets are not available for future spending, nor can they be readily liquidated to pay off their related liabilities. Resources needed to repay capital-related debt must be provided from other sources.

Restricted net position comprises 26.25 percent of total net position and is subject to constitutional, legal, or external constraints on use. Net position that is restricted by the *Utah Constitution* includes individual income and corporate income taxes that can be used only for public and higher education costs and proceeds from fees, taxes, charges related to motor vehicles that can be used only for transportation expenses, and earnings received from investment of the permanent State School Fund.

The remaining balance of unrestricted net position may be used to meet the State's ongoing obligations, though certain laws and internally imposed commitments or assignments of resources further limit the purposes for which much of the overall net position may be used.

(MD&A continues on next page.)

State of Utah
Net Position as of June 30
(dollars expressed in thousands)

	Governmental Activities		Business-type Activities		Total Primary Government		Total Percentage Change
	2019	2018	2019	2018	2019	2018	2018–2019
Current and Other Assets	$ 9,433,121	$ 8,591,245	$ 4,978,396	$ 5,129,388	$ 14,411,517	$ 13,720,633	5.04 %
Capital Assets	19,573,801	19,211,956	96,818	92,779	19,670,619	19,304,735	1.90 %
Total Assets	**$ 29,006,922**	**$ 27,803,201**	**$ 5,075,214**	**$ 5,222,167**	**$ 34,082,136**	**$ 33,025,368**	3.20 %
Deferred Outflows of Resources	**$ 483,436**	**$ 468,008**	**$ 12,047**	**$ 12,162**	**$ 495,483**	**$ 480,170**	3.19 %
Current and Other Liabilities	$ 1,354,780	$ 1,221,622	$ 48,336	$ 47,821	$ 1,403,116	$ 1,269,443	10.53 %
Long-term Liabilities	4,100,452	3,886,101	1,380,019	1,628,078	5,480,471	5,514,179	(0.61)%
Total Liabilities	**$ 5,455,232**	**$ 5,107,723**	**$ 1,428,355**	**$ 1,675,899**	**$ 6,883,587**	**$ 6,783,622**	1.47 %
Deferred Inflows of Resources	**$ 86,312**	**$ 392,607**	**$ 20,019**	**$ 19,808**	**$ 106,331**	**$ 412,415**	(74.22)%
Net Position:							
Net Investment in Capital Assets *	$ 17,147,477	$ 16,827,887	$ 32,972	$ 29,237	$ 17,180,449	$ 16,857,124	1.92 %
Restricted	4,953,627	4,693,165	2,286,785	2,221,712	7,240,412	6,914,877	4.71 %
Unrestricted	1,847,710	1,249,827	1,319,130	1,287,673	3,166,840	2,537,500	24.80 %
Total Net Position *	**$ 23,948,814**	**$ 22,770,879**	**$ 3,638,887**	**$ 3,538,622**	**$ 27,587,701**	**$ 26,309,501**	4.86 %
Percent change in total Net Position from prior year	5.17%		2.83%		4.86%		

* This schedule has been restated for prior period adjustments as described in Note 2.

The State's total net position increased $1.278 billion or 4.86 percent in fiscal year 2019. In comparison, net position in the prior year increased $1.525 billion or 6.15 percent. The increase in total net position reflects a growing economy and the active management of the State's resources. The change in net position is comprised of the following:

- *Net Investment in Capital Assets* – Total net investment in capital assets increased slightly by 1.92 percent or $323.325 million. The State's investment in highways and buildings exceeded depreciation and the net additional debt that was incurred to finance capital-related projects.

- *Restricted Net Position* – Total restricted net position increased $325.535 million or 4.71 percent over the prior year adjusted net position:

  Restricted Net Position of Governmental Activities increased $260.462 million or 5.55 percent, as follows: Transportation net position increased $93.750 million or 24.23 percent due to an increase in unspent restricted revenues. Public Education - Nonexpendable net position increased $72.404 million or 4.46 percent, primarily due to revenues generated from land use and gains on sale of trust lands in the Trust Lands Permanent Fund. Public Education – Expendable net position increased $68.893 million or 2.78 percent primarily due to an increase in individual and corporate income tax revenues from the continued economic expansion. The increase in corporate tax revenues was also due to recent federal tax changes, which created a temporary surge as corporations repatriated foreign corporate earnings.

  Restricted Net Position of Business-type Activities increased $65.073 million or 2.93 percent due in part to a $41.020 million increase in the Unemployment Compensation and Insurance Program as unemployment compensation revenues exceeded related claims. Net position restricted for loan programs also increased $26.551 million as a result of additional loan capital provided from federal contracts and grants for Water Loan Programs, Community and Economic Loan Programs, and Student Assistance Programs. These increases were offset by a $2.498 million decrease in net position restricted for debt service.

- *Unrestricted Net Position* – Total unrestricted net position in governmental activities increased $597.883 million or 47.84 percent primarily due to an increase in the amount unspent and carried forward in the General Fund and for transportation and capital projects. Unrestricted net position in business-type activities increased $31.457 million or 2.44 percent due to dedicated sales tax revenues provided by the State as additional capital for the Water Loan Programs.

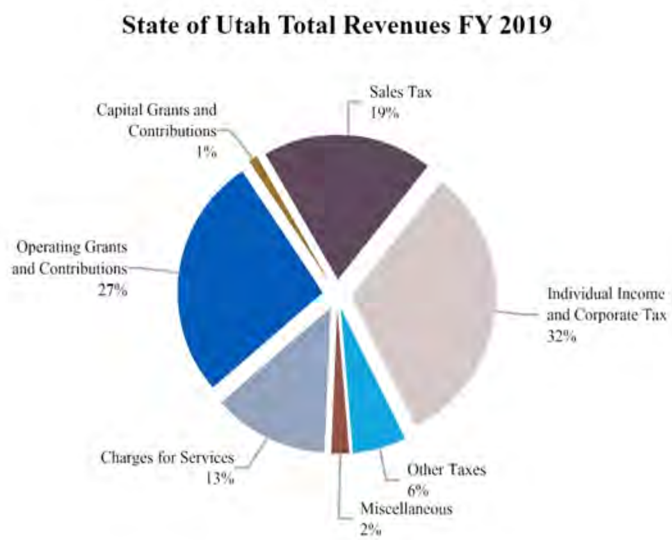
Changes in Net Position

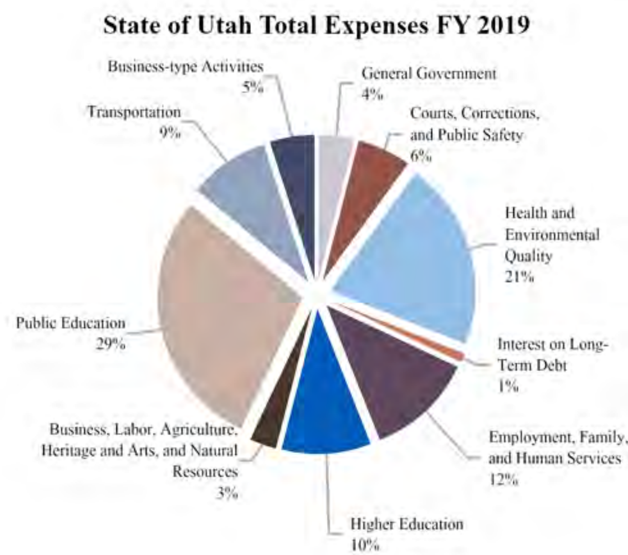
The following table and charts summarize the State's total revenues, expenses, and changes in net position for fiscal year 2019:

State of Utah
Changes in Net Position
for the Fiscal Year Ended June 30
(dollars expressed in thousands)

	Governmental Activities		Business-type Activities		Total Primary Government		Total Percentage Change
	2019	**2018**	**2019**	**2018**	**2019**	**2018**	**2018–2019**
Revenues							
General Revenues:							
Taxes	$ 8,600,089	$ 8,043,471	$ 34,278	$ 59,864	$ 8,634,367	$ 8,103,335	6.55 %
Other General Revenues	230,389	215,048	68,030	59,215	298,419	274,263	8.81 %
Program Revenues:							
Charges for Services	1,284,088	1,211,341	747,315	744,160	2,031,403	1,955,501	3.88 %
Operating Grants and Contributions	4,162,578	4,057,460	33,575	44,392	4,196,153	4,101,852	2.30 %
Capital Grants and Contributions	155,265	164,278	—	—	155,265	164,278	(5.49)%
Total Revenues	**14,432,409**	**13,691,598**	**883,198**	**907,631**	**15,315,607**	**14,599,229**	4.91 %
Expenses							
General Government	576,183	503,430	—	—	576,183	503,430	14.45 %
Human Services/Juvenile Justice Services	932,553	854,614	—	—	932,553	854,614	9.12 %
Corrections	340,123	314,701	—	—	340,123	314,701	8.08 %
Public Safety	363,510	307,121	—	—	363,510	307,121	18.36 %
Courts	165,833	162,049	—	—	165,833	162,049	2.34 %
Health and Environmental Quality	2,979,063	2,807,215	—	—	2,979,063	2,807,215	6.12 %
Higher Education	1,339,338	1,318,207	—	—	1,339,338	1,318,207	1.60 %
Employment and Family Services	769,277	753,205	—	—	769,277	753,205	2.13 %
Natural Resources	264,093	238,545	—	—	264,093	238,545	10.71 %
Heritage and Arts	31,928	30,279	—	—	31,928	30,279	5.45 %
Business, Labor, and Agriculture	122,449	116,964	—	—	122,449	116,964	4.69 %
Public Education	4,141,443	3,981,186	—	—	4,141,443	3,981,186	4.03 %
Transportation	1,288,760	970,442	—	—	1,288,760	970,442	32.80 %
Interest and Charges on Long-term Debt	83,657	85,141	—	—	83,657	85,141	(1.74)%
Student Assistance Programs	—	—	114,087	120,169	114,087	120,169	(5.06)%
Unemployment Compensation	—	—	152,359	156,121	152,359	156,121	(2.41)%
Water Loan Programs	—	—	13,744	12,613	13,744	12,613	8.97 %
Community and Economic Loan Programs	—	—	2,402	4,991	2,402	4,991	(51.87)%
Liquor Retail Sales	—	—	311,261	292,936	311,261	292,936	6.26 %
Other Business-type Activities	—	—	45,344	45,065	45,344	45,065	0.62 %
Total Expenses	**13,398,210**	**12,443,099**	**639,197**	**631,895**	**14,037,407**	**13,074,994**	7.36 %
Excess (Deficit) Before Transfers	1,034,199	1,248,499	244,001	275,736	1,278,200	1,524,235	
Transfers	143,736	96,245	(143,736)	(96,245)	—	—	
Capital Contributions	—	—	—	—	—	—	
Change in Net Position	**1,177,935**	**1,344,744**	**100,265**	**179,491**	**1,278,200**	**1,524,235**	
Net Position – Beginning	22,786,348	21,440,397	3,538,622	3,359,131	26,324,970	24,799,528	
Adjustment to Beginning Net position	(15,469)	1,207	—	—	(15,469)	1,207	
Net Position – Beginning as Adjusted	22,770,879	21,441,604	3,538,622	3,359,131	26,309,501	24,800,735	
Net Position – Ending	**$23,948,814**	**$22,786,348**	**$ 3,638,887**	**$ 3,538,622**	**$27,587,701**	**$26,324,970**	4.80 %

(Charts on next page)





This year the State received 56.38 percent of its revenues from state taxes and 28.41 percent of its revenues from grants and contributions, primarily from federal sources. In the prior year, state taxes accounted for 55.51 percent and grants and contributions were 29.22 percent of total revenues. Charges for goods and services such as licenses, permits, liquor sales, park fees, and court fees, combined with other miscellaneous collections, comprised 15.21 percent of total revenues in fiscal year 2019, compared to 15.27 percent in fiscal year 2018.

Governmental Activities

The State's total governmental revenues from all sources increased $740.811 million or 5.41 percent. The majority of this increase was due to an increase in tax revenues of $556.618 million or 6.92 percent due to continued growth in the economy. Significant changes in governmental activities' revenues and expenses at the government-wide level mirror the changes in the governmental funds, except for Transportation expenses as discussed below. However, due to differences in measurement focus and timing of collections, the increase at the government-wide level should not be used to predict future increases at the fund statement or budget level.

- *Transportation* – Expenses increased $318.318 million or 32.80 percent, as compared to the prior year, primarily due to a decrease in the amount spent for capital outlay (i.e. land, roads, and bridges). The amount expended for capital outlay is not reported as expense, but as an asset on the government-wide statements.

The following table shows to what extent program revenues (charges for services and grants) covered program expenses. For fiscal year 2019, program revenues covered $5.602 billion or 41.81 percent of $13.398 billion in total program expenses. For the remaining $7.796 billion or 58.19 percent of program expenses, the State relied on state taxes and other general revenues. For further discussion of changes, see the section here entitled "Financial Analysis of the State's Governmental Funds."

(Table on next page)

State of Utah
Net Cost of Governmental Activities
(dollars expressed in thousands)

	Program Expenses	Less Program Revenues	Net Program (Expenses)/Revenues		Program Revenues as a Percentage of Program Expenses	
	2019	2019	2019	2018	2019	2018
General Government	$ 576,183	$ 372,412	$ (203,771)	$ (161,058)	64.63%	68.01%
Human Services/Juvenile Justice Services	932,553	424,787	(507,766)	(467,225)	45.55%	45.33%
Corrections	340,123	2,566	(337,557)	(311,502)	0.75%	1.02%
Public Safety	363,510	211,274	(152,236)	(133,290)	58.12%	56.60%
Courts	165,833	55,380	(110,453)	(107,352)	33.40%	33.75%
Health and Environmental Quality	2,979,063	2,428,797	(550,266)	(527,699)	81.53%	81.20%
Higher Education	1,339,338	760	(1,338,578)	(1,317,971)	0.06%	0.02%
Employment and Family Services	769,277	566,054	(203,223)	(152,053)	73.58%	79.81%
Natural Resources	264,093	159,664	(104,429)	(82,150)	60.46%	65.56%
Heritage and Arts	31,928	11,507	(20,421)	(19,525)	36.04%	35.52%
Business, Labor, and Agriculture	122,449	128,220	5,771	(3,439)	104.71%	97.06%
Public Education	4,141,443	608,735	(3,532,708)	(3,295,432)	14.70%	17.22%
Transportation	1,288,760	631,775	(656,985)	(346,183)	49.02%	64.33%
Interest and Charges on Long-term Debt	83,657	—	(83,657)	(85,141)	0.00%	0.00%
Total Governmental Activities	**$ 13,398,210**	**$ 5,601,931**	**$ (7,796,279)**	**$ (7,010,020)**	41.81%	43.66%

Business-type Activities

The State's business-type activities operate primarily from program revenues, except for the Water Loan Programs and Agriculture Loan Fund, that by law receive dedicated sales tax revenues. Accounting standards require unemployment taxes collected from employers and deposited in the Unemployment Compensation Fund be reported as charges for services rather than taxes. Therefore, taxes in the business-type activities are comprised entirely of sales tax revenues in the water and agriculture loan programs.

Overall, total revenues from the State's business-type activities decreased $24.433 million or 2.69 percent from the prior year as follows: Dedicated sales and use tax decreased $25.586 million or 42.74 percent as a result of a statutory reallocation. Operating grants and contributions decreased $10.817 million or 24.37 percent due to a decreases in federal contracts and grants in the Water Loan Programs and Community and Economic Loan Programs. These decreases were offset by an increase in unrestricted investment income of $11.601 million or 20.51 percent due to higher interest rates.

Total expenses for the State's business-type activities increased overall by $7.302 million or 1.16 percent. The increase was due to an $18.325 million or 6.26 percent increase in expenses related to liquor retail sales as a result of higher sales volume. This increase was offset by a $6.082 million or 5.06 percent decrease in the student loan service expenses within the Student Loan Programs and a $3.762 million or 2.41 percent decrease in the Unemployment Compensation Fund due to fewer claims paid.

Changes in the State's business-type activities at the government-wide level mirror the changes noted in the State's proprietary funds, except that the State's proprietary funds provide detail summarized by program or fund, while the business-type activity at the government-wide level is presented overall. The changes in the State's proprietary funds are detailed further in the section entitled "Financial Analysis of the State's Proprietary Funds."

FINANCIAL ANALYSIS OF THE STATE'S GOVERNMENTAL FUNDS

Adjustment to Beginning Fund Balance

As described in Note 2 of the financial statements, the beginning fund balance was adjusted to reflect a decrease $15.469 million in the Trust Lands Permanent Fund to remove land improvements associated with land that was sold in previous years.

Fund Balances

At June 30, 2019, the State's governmental funds reported combined ending fund balances of $7.317 billion. Of this amount, $1.818 billion or 24.85 percent is nonspendable, either due to its form or legal constraints, and $2.775 billion or 37.92 percent is restricted for specific programs by external constraints, constitutional provisions, or contractual obligations. Unspent bond proceeds, revenue restricted for public education, revenue that derives from the operation of motor vehicles on public highways, mineral lease revenues, and earnings received from investment of the Trust Lands Permanent Fund are included in restricted fund balance. An additional $1.835 billion or 25.08 percent of total fund balance has been committed to specific purposes. Committed amounts cannot be used for any other purpose unless approved by the Legislature. An additional $889.037 million or 12.15 percent of total fund balance has been assigned to specific purposes, as expressed by legislative intent. There was no unassigned fund balance available for future appropriations at yearend.

State of Utah
Governmental Fund Balances as of June 30
(dollars expressed in thousands)

	General Fund	Education Fund	Transportation Fund	Transportation Investment Fund	Trust Lands Fund	Nonmajor Funds	Total
Nonspendable	$ 20,109	$ 43	$ 13,147	$ —	$ 1,785,184	$ 16	$ 1,818,499
Restricted	43,241	1,203,653	493,984	—	877,152	156,545	2,774,575
Committed	835,171	—	—	670,295	—	329,266	1,834,732
Assigned	339,999	—	4,475	—	—	544,563	889,037
Unassigned	—	—	—	—	—	—	—
Total	**$ 1,238,520**	**$ 1,203,696**	**$ 511,606**	**$ 670,295**	**$ 2,662,336**	**$ 1,030,390**	**$ 7,316,843**
Percent change from prior year	17.37%	5.15%	25.50%	2.36%	3.16%	32.54%	10.52%

General Fund

The General Fund's total fund balance increased $183.304 million or 17.37 percent in fiscal year 2019. The General Fund ended the year with a zero dollar surplus, or unassigned fund balance, by using $21.707 million of the $112.180 million of General Fund budgeted revenues set aside for fiscal year 2020. In the prior year, the General Fund ended the year with a $7.966 million surplus, or unassigned fund balance. Because there was no surplus, no statutory transfers were made to the General Fund Budget Reserve Account in fiscal year 2019. The Account ended the year with a balance of $225.121 million after the Legislature elected to appropriate $73.313 million to the account during the year.

Specific changes in the General Fund balance include the following:

- Nonspendable fund balance increased $1.975 million or 10.89 percent due to an increase in prepaid items of $5.162 million as a result of an increase in Medicare premiums paid for dual eligible Medicaid members at yearend. This increase was offset by a $2.887 million decrease in the long-term portion of loans receivable due to a reduction of loan balances within Internal Services Funds.

- Restricted fund balance increased $4.263 million or 10.94 percent as a result of an increase in revenues set aside for specific purposes due to constraints that are imposed externally or by law.

- Committed fund balance increased overall by $159.943 million or 23.69 percent due to an increase in monies set aside for specific purposes as follows: ***(1)*** Agency carry-forward balances increased $81.481 million; ***(2)*** monies set aside for committed purposes in various restricted accounts increased $5.149 million; and ***(3)*** the General Fund Budget Reserve Account balance increased $73.313 million due to a legislative appropriation to the account.

- Assigned fund balance increased $25.089 million or 7.97 percent. The increase was due in part to a $13.708 million increase in the amount set aside for next year's budget by the Legislature. Assigned fund balance also increased $13.355 million due to an increase in tax accruals assigned by law. These increases were offset by a $1.975 million decrease in nonspendable items, as described above. Items classified as nonspendable reduce assigned fund balance.

Total tax revenues in the General Fund increased $83.919 million or 3.49 percent, the largest of which was sales and use tax which increased $83.352 million or 4.04 percent. Overall, sales tax revenue in all governmental funds increased $158.622 million or 5.99 percent primarily due to growth in the Utah economy.

Total General Fund non-tax revenues increased $146.172 million or 3.77 percent, explained as follows: ***(1)*** Federal contracts and grants increased $125.530 million or 4.22 percent primarily due to an increase in federal funding for Medicaid programs and the National Guard. Additional increases in federal contracts and grants correspond to the increase in related expenditures as explained below; ***(2)*** Investment income increased $19.456 million or 80.48 percent due to higher interest rates; ***(3)*** Charges for services increased $10.224 million or 2.08 percent driven by demand for government services; and ***(4)*** Miscellaneous and other revenues decreased $9.811 million or 3.53 percent primarily due to a one-time increase in tobacco settlement proceeds in the prior year.

Overall, total General Fund expenditures increased $447.686 million or 6.45 percent as the State responded to a growing economy and an increase in the public's demand for government services. Significant changes in expenditures occurred in the following areas:

- *Health and Environmental Quality* – Total expenditures increased $173.718 million or 6.16 percent primarily due to growth in the Medicaid program. These expenditures increased $166.621 million as a result of: (***1***) implementation of the new Medicaid Expansion program; (***2***) an increase in payments to nursing homes for qualifying services; (***3***) increased utilization in the Community Supports Waiver program; (***4***) an increase in expenditures related to the replacement of the

Medicaid Management Information System; and (***5***) the full fiscal year impact of a 3.50 percent increase in funding authorized for Medicaid's accountable care organizations, which was effective January 2018.

- *Higher Education* – Total expenditures increased $101.636 million or 9.61 percent due to an increase in state appropriations. The State provided $29.100 million for higher education employee compensation and benefit increases. Major new state-funded system-wide initiatives included: (***1***) $9.200 million for programs to assist institutions in meeting regional workforce needs; (***2***) $9.100 million for enrollment growth and to increase capacity; (***3***) $4.800 million to implement programs that will reduce barrier to students' completing their degree; (***4***) $3.300 million for the Board of Regents' Scholarship; and (*5*) $3.300 million for market demand programs for the Utah System of Technical Colleges.

- *Human Services and Juvenile Justice Services* - Total expenditures increased $57.536 million or 6.76 percent due in part to a $36.264 million funding increase within Services for People with Disabilities, as follows: (***1***) $23.496 million for individuals receiving disability services and youth aging out of services; (***2***) $6.634 million to provide services for people on the waiting list in the Medicaid Home and Community Based Waiver Services Program; and (***3***) $5 million for salary increases for direct care service workers. Expenditures also increased $5.020 million to address suicide prevention, crisis help lines, and children's center family support and $2.270 million for children in family treatment, opioid crisis funding, and medication assisted treatments.

- *Public Safety* – Total expenditures increased $41.766 million or 16.12 percent. Significant increases included: (***1***) $17.628 million for the Utah Communications Authority for the 800 and 150 MHz radio networks and management of the 911 program; (***2***) $14.715 million for the National Guard due to additional federal funding provided for the Aaron Butler Special Forces Readiness Center at Camp Williams; and (***3***) $4.391 million for the Utah Highway Patrol for the Operation Rio Grande program.

- *General Government* – Total expenditures increased $26.613 million or 6.76 percent due to $26 million ($9 million ongoing and $17 million in one-time funds) provided to the firefighter retirement program as a result of changes in insurance premium allocation.

- *Natural Resources* – Total expenditures increased $24.875 million or 11.20 percent due to increases in funding provided for wildland fire suppression and prevention, watershed rehabilitation and habitat restoration projects, and state parks maintenance and improvements.

In addition to the significant changes in expenditures described above, the increase in overall expenditures is also due to a $23.213 million increase as a result of a 2.50 percent salary increase for most state employees, increases in health insurance costs, and targeted compensation increases.

Budgetary Highlights – General Fund

The Legislature adopted the initial fiscal year 2019 budget during the 2018 General Session (January to March 2018). The original consensus revenue estimates in the General Fund budget at the start of fiscal year 2019, excluding department-specific revenue sources such as federal grants and departmental collections, and miscellaneous transfers, were 5.35 percent higher than the final fiscal year 2018 budget. The increase was primarily due to growth in the sales and use tax due to the strong Utah economy. Budgeted expenditures were 10.30 percent higher than the final fiscal year 2018 budget. The Governor and Legislature were able to balance the original fiscal year 2019 budget using revenue growth, prior year reserves, and fund balances.

The fiscal year 2019 budget was again addressed during the 2019 General Session of the Legislature (January to March 2019). General revenue estimates had increased $41.098 million from the original consensus estimates adopted during the 2018 General Session due to projected increases in sales and use tax and investment income. Revenue estimates and base budget resources allowed the Legislature to set aside $112.180 million for fiscal year 2020 appropriations. In the end, taxes and other general revenues ended the year $55.205 million below final budgeted amounts. Various statutory transfers and adjustments that occurred at yearend covered the shortfall in the final budgeted amounts. This included agencies lapsing $8.707 million of unspent budgeted dollars back to the General Fund and reducing amounts set aside for fiscal year 2020 appropriations by $21.707 million. Final budgets of department-specific revenue sources decreased from original budgets due to a decrease in expected federal contracts and grants. Actual department-specific revenues increased slightly from final budgets primarily due to an increase in the state mineral lease revenue. Final budgets for many of the departmental-specific revenue sources and related expenditures such as federal grants, departmental collections, and miscellaneous revenues are generally revised based on actual collections. The difference between final budgeted expenditures and actual expenditures is primarily due to nonlapsing and unspent restricted funds that will be carried forward to the next year.

Education Fund

The fund balance in the Education Fund increased overall by $58.958 million or 5.15 percent from the prior year as revenues and transfers in exceeded expenditures and transfers out. The amount unspent and carried forward for education increased $25.583 million. Education funds set aside for specific purposes increased $13.477 million. Amounts set aside for fiscal year 2020 appropriations increased $11.720 million. Tax accruals restricted by law for education increased $5.264 million.

In addition to these changes, the Education Fund ended the year with a $107.275 million surplus after a $6.181 million property tax recapture and a $33.510 million transfer to the Education Budget Reserve Account from an original revenue surplus of $134.040 million. In the event of a "revenue surplus" in the Education Fund, state law requires that 25 percent of the surplus be transferred to the Education Budget Reserve Account, a budget stabilization account. State law requires an additional 25 percent be transferred to repay prior year transfers out of the account, but limits these transfers to 11 percent of Education Fund appropriations. The Education Budget Reserve Account ended the year with a balance of $471.908 million.

Overall, total revenue in the Education Fund increased $377.509 million or 7.46 percent. Individual income tax increased $303.117 million or 7.52 percent. Corporate income tax increased $111.958 million or 26.47 percent. These increases were primarily due to continued economic expansion. The increase in corporate tax revenues was also due to recent federal tax changes, which created a temporary surge as corporations repatriated foreign corporate earnings. Investment income also increased $9.379 million or 114.70 percent due to rising interest rates and an increase in funds available for investment. These increases were offset by decreases in other revenue sources. Federal contracts and grants expenditures and corresponding revenue decreased $39.753 million or 8.48 percent due to the timing of federal funding utilized by the local school districts. Other taxes decreased $4.528 million or 14.36 percent primarily due to a decrease in the Charter School Levy, a property tax imposed by the State to support Charter Schools. Miscellaneous and other revenues decreased $3.625 million or 8.68 percent due to one-time settlement proceeds received in the prior year.

Overall, expenditures increased $157.253 million or 3.95 percent in the Education Fund. The increase was primarily due to a $176.811 million increase in the Minimum School Program to provide for student enrollment growth and 2.5 percent increase in the weighted pupil unit value, which is the primary funding mechanism for public education.

Net other financing uses increased $424.814 million or 52.05 percent. This change resulted from a $408.071 million increase in transfers out due to an increase in transfers for higher education and capital projects and a $16.743 million decrease in transfers in from the Trust Lands Permanent Fund for the School Land Program.

Transportation Fund

Total fund balance in the Transportation Fund increased $103.953 million or 25.50 percent from the prior year. Restricted fund balance increased $101.862 million or 25.98 percent as restricted revenues and transfers in exceeded expenditures and transfers out. Assigned fund balance increased $3.335 million or 292.54 percent due to an increase in unspent general revenues appropriated to the Transportation Fund. Nonspendable inventory decreased $619 thousand or 4.50 percent.

Overall, transportation revenues increased $20.418 million or 1.83 percent. The increase resulted from the following changes in revenue as compared to the prior year:

- Motor and special fuels tax increased $21.150 million or 4.23 percent due in part to a six-tenths of a penny per gallon gas tax increase that became effective January 1, 2019, and also the result of higher fuel consumption.
- License, permits, and fees increased $7.004 million or 7.64 percent primarily due to an increase in registration fees and new fees for alternative fuel vehicles.
- Charges for services increased $5.259 million or 10.53 percent due to an increase in driver's license fees.
- Investment income increased $4.415 million or 85.30 percent due to rising interest rates.
- Federal contracts and grants decreased $15.602 million or 3.88 percent as a result of timing differences related to highway construction projects.

Expenditures within the Transportation Fund decreased $25.079 million million or 2.46 percent due to a decrease in state and federal funding provided for highway construction projects. Net other financing uses decreased $6.772 million or 16.12 percent due in part to an $11.713 million increase in the sale of capital assets, which was offset by a $4.941 million increase in net transfers out of the fund for various purposes.

Authorized federal funding for highway construction remains relatively stable from year to year. However, the spending of state and federal revenue reflects the timing of highway construction projects, which is impacted by a variety of circumstances such as environmental studies or existing weather conditions. In addition, the Department of Transportation has discretion on allocating federal funds among projects, which impacts the amount of federal revenue reported in the Transportation Fund.

Transportation Investment Fund

Total fund balance in the Transportation Investment Fund increased $15.476 million or 2.36 percent from the prior year. Restricted fund balance decreased $54.770 million or 100 percent as general obligation bond proceeds were used for highway projects. Committed fund balance increased $70.246 million or 11.71 percent due to unspent dedicated sales and use tax revenue at yearend.

Overall, revenues increased $74.353 million or 11.09 percent. Sales and use tax revenues, statutorily reallocated from use in the General Fund to use for highway projects, increased $59.212 million or 10.29 percent due to growth in the economy. Investment income increased $13.291 million or 176.23 percent due to rising interest rates and an increase in funds available for investment. Expenditures increased $100.593 million or 19.65 percent from the prior year due to increased spending on highway construction projects. Net other financing uses increased $179.130 million or 288.38 percent, due to a $181.142 million decrease in bond issuance and related premiums in the current compared to the prior year.

Trust Lands Permanent Fund

The fund balance of the Trust Lands Permanent Fund increased $81.560 million or 3.16 percent from the prior year adjusted fund balance largely due to a $77.735 million or 4.55 percent increase in nonspendable fund balance. This increase was attributable to revenues generated from land use and gains on sale of trust lands. As a result of a constitutional amendment that became effective July 1, 2017, the *Utah Constitution* allows all investment earnings of the of the Trust Lands Fund Permanent Fund to be distributed to beneficiaries, limited to annual distributions not to exceed four percent of the fund (based on a calculation described in statute).

Revenues decreased $38.762 million or 20.71 percent. The decrease was largely attributable to a $37.189 million or 27.57 percent decrease in investment income due to a change in investment strategies. Investment fund managers shifted from a heavy equity allocation to private market investments which take much longer to deploy and are slower to return capital. In the long-run, fund managers expect these strategies to have lower volatility and higher returns. Expenditures and transfers out decreased $15.012 million or 12.93 percent due to a decrease in the amount available for distribution to beneficiaries. Sale of capital assets increased $13.624 million or 66.24 percent due to an increase of surface and developed land sales. Overall, revenues and transfers in exceeded expenditures and transfers out resulting in a increase in assets of $182.577 million or 6.99 percent, offset by an increase of liabilities of $115.609 million or 1447.10 percent. Liabilities increased due to timing of distributions to beneficiaries.

FINANCIAL ANALYSIS OF THE STATE'S PROPRIETARY FUNDS

Student Assistance Programs

The net position of the Student Assistance Programs increased slightly by $5.482 million or 1.47 percent from the prior year. The majority of this change is attributable to a decrease in assets of $237.891 million or 12.50 percent mainly due to a decrease in student loans receivable and a decrease in total liabilities of $248.873 million or 16.40 percent primarily due to payments on principal on student loan revenue bonds and notes payable. Operating revenues decreased $7.436 million or 6.09 percent mainly due to a combination of a decrease in interest on student loans of $9.420 million and a decrease of $3.325 million in Federal Reinsurance payments, offset by a $5.254 million increase in federal loans servicing revenue. Operating expenses decreased $6.332 million or 5.27 percent primarily due to decreases of $7.940 in student loan servicing expenses and $3.328 million in payments to lenders for guaranteed claims, offset by an increase of $5.678 million of interest expense. Of total net position of $378.245 million, $303.845 million is restricted for use within the programs by bond covenants or federal law.

Unemployment Compensation Fund

The State's average unemployment rate for the fiscal year 2019 decreased slightly from the prior year. Employer tax revenue decreased $18.249 million or 9.74 percent due to an overall contribution rate decrease from the prior year. Expenses decreased $3.762 million or 2.41 percent due to fewer claims paid. Overall, employer taxes and other revenues exceeded benefit payments and transfers out, resulting in an increase of net position of $41.020 million or 3.57 percent. The entire net position of $1.189 billion is restricted for use within the program by state and federal law.

Water Loan Programs

Revenues and expenses of the Water Loan Programs remained relatively unchanged from the prior year. Net position increased $38.741 million or 3.77 percent primarily due to $33.753 million of additional capital for loans provided from dedicated sales tax revenue. This increase is reflected in a corresponding increase of loans receivable of $37.858 million. Of the total net position of $1.067 billion, $472.661 million is restricted for use within the Water Loan Programs by Federal grant requirements and $152.882 million is restricted pursuant to bond agreements within the programs.

Community Impact Loan Fund

The net position of the Community Impact Loan fund decreased slightly by $4.574 million or 0.65 percent from the prior year as transfers out and expense exceeded nonoperating revenues. Fund expenses remained mostly unchanged, but nonoperating revenues decreased $29.291 million largely due to a $27 million reduction in statutorily appropriated mineral lease revenue. This resulted in less funding available for future loan programs. There is no restriction on the Fund's net position of $703.885 million.

CAPITAL ASSET AND LONG-TERM DEBT ADMINISTRATION

Capital Assets

The State's capital assets increased by a net $365.884 million during the year. The change consisted of net increases in: infrastructure (i.e., state roads and bridges) of $147.099 million; land and related assets of $144.066 million; buildings and improvements of $76.358 million; construction in progress of $6.708 million; and machinery and equipment of $4.630 million. Software decreased $12.977 million due to current year amortization exceeding software additions. Significant projects included:

- Completion of the SR-108 widening project in Davis and Weber Counties
- Completion of the Provo District Courthouse
- Completion of the Fairpark Days of 47 Arena
- Purchase of the Taylorsville State Office Building and surrounding land

Several buildings financed by the State are actually owned by the colleges and universities, which are discrete component units of the State. Therefore, while the capital assets are on the discrete component unit's financial statements, any outstanding debt issued by the State to finance construction of those assets is reported as a liability of the State's governmental activities. This in turn reduces unrestricted net position. As of June 30, 2019, the State had $59.671 million of outstanding debt related to capital assets of discretely presented component units.

At June 30, 2019, the State had commitments in capital projects funds of $646.941 million for building projects and $733.845 million for highway construction and improvement projects. The State also had commitments of $424.166 million for road construction and other contract commitments in the Transportation Fund. Funding for the commitments will come from existing resources in these funds and from future appropriations and bond proceeds.

The State has adopted an allowable alternative to reporting depreciation for state roads and bridges (infrastructure assets) maintained by the Utah Department of Transportation (UDOT). Under this alternative method, referred to as the "modified approach," UDOT must maintain an asset management system and demonstrate that the infrastructure is being preserved at or above established condition levels. Infrastructure assets accounted for under the modified approach are not depreciated, and maintenance and preservation costs are expensed.

The State's established condition level for state roads is to maintain a certain percentage of mileage at a "fair" or better condition. The overall system has a target of 80 percent rated as "fair" or better. The most recent condition assessment completed in 2018 indicated that 91.40 percent of roads were in "fair" or better condition. These results reflect maintaining roads above target percentages and are consistent with calendar year 2017, when 90.36 percent of roads were assessed as "fair" or better condition.

The State's established condition level for bridges is to maintain 50 percent with a rating of "good" and no more than 10 percent of bridges with a "poor" rating. The most recent condition assessment, completed in April 2019, indicated that 64.38 percent and 2.91 percent of bridges were in "good" and "poor" condition, respectively. These results reflect maintaining bridges at a consistent condition level as 2018 when 64.52 percent of the bridges were assessed as "good" and 2.76 percent assessed were in "poor" condition.

During fiscal year 2019, the State spent $310.690 million and $54.828 million to maintain and preserve roads and bridges, respectively. These combined amounts were 22.45 percent above the estimated amounts of $253.728 million and $44.775 million needed to maintain these roads and bridges at established condition levels, respectively.

More information about capital assets is included in Note 8 and more detailed information on the State's modified approach for reporting infrastructure is presented in the Required Supplementary Information – Information About Infrastructure Assets Reported Using the Modified Approach.

Long-term Debt

The *Utah Constitution* allows the State to contract debts not exceeding 1.50 percent of the value of the total taxable property of the State (i.e., constitutional debt limit). The Legislature authorizes general obligation indebtedness within this limit. The *State Appropriation and Tax Limitation Act* (i.e., statutory debt limit) further limits the outstanding general obligation debt of the State to not exceed 45 percent of the maximum allowable state budget appropriation limit. As of June 30, 2019, the general obligation indebtedness of the State was $3.861 billion below the constitutional debt limit and $1.561 billion below the statutory debt limit.

Revenue bonds of the State Building Ownership Authority are not backed by the general taxing authority of the State, but are payable from revenue provided through appropriations of the Legislature or other operating revenues. Revenue bonds of the Student Assistance Programs and Water Loan Programs are not backed by the general taxing authority of the State, but are payable solely from specific fees or loan repayments as pledged in the bond indentures.

State of Utah
Net Outstanding Bonded Debt as of June 30
(expressed in millions)

	Governmental Activities		Business-type Activities		Total Primary Government		Percentage Change
	2019	2018	2019	2018	2019	2018	2018 to 2019
General Obligation Bonds	$ 2,374	$ 2,498	$ —	$ —	$ 2,374	$ 2,498	(4.96)%
Revenue Bonds:							
State Building Ownership Authority	205	244	77	83	282	327	(13.76)%
Student Assistance Programs	—	—	1,254	1,495	1,254	1,495	(16.12)%
Water Loan Programs	—	—	26	31	26	31	(16.13)%
Total Bonds Payable	**$ 2,579**	**$ 2,742**	**$ 1,357**	**$ 1,609**	**$ 3,936**	**$ 4,351**	(9.54)%

Total general obligation bonds payable net of premiums and discounts decreased $123.801 million. Revenue bonds payable net of premiums and discounts decreased $292.815 million for an overall net decrease of $416.616 million during the fiscal year. The State issued $127.715 million of general obligation highway bonds during the fiscal year.

The State's active management of its resources has helped the State maintain its triple-A rating on general obligation bonds from all three national rating agencies, and double-A rating on lease revenue bonds from two national rating agencies from which ratings were sought. These ratings are the best available and save millions of dollars in interest costs each year because the State is able to obtain very favorable interest rates on new debt. Note 10 contains more information about the State's outstanding debt.

ECONOMIC OUTLOOK AND NEXT YEAR'S BUDGET

Original general revenue estimates of the General Fund for fiscal year 2020 are 6.51 percent higher than actual fiscal year 2019 revenues. Original revenue estimates of the Education Fund for fiscal year 2020 are 1.83 percent higher than actual fiscal year 2019 revenues. The Legislature balanced the 2020 budget using projected revenue growth, prior year reserves, and fund balances.

Preliminary data for fiscal year 2020 show tax revenues to be in line with estimates. The State's overall unemployment rate is expected to be 2.90 percent in 2019, a decrease from the average 2018 rate of 3.10 percent. Taxable retail sales are expected to increase 3.90 percent in 2019 and increase 4.60 percent in 2020. Personal income is expected to increase 5.90 percent in 2019, and 6.50 percent in 2020. Because these indicators are measured on a calendar year basis, the impact on the State budget will not be fully realized until well into fiscal year 2020. The Governor and Legislature will review the fiscal year 2020 budget again during the upcoming 2020 General Session and take action as necessary to ensure a balanced budget.

CONTACTING THE STATE'S DIVISION OF FINANCE

This financial report is designed to provide our citizens, taxpayers, customers, investors, and creditors with a general overview of the State's finances and to demonstrate the State's accountability for the money it receives. If you have questions about this report or need additional financial information, please contact the Department of Administrative Services: Division of Finance, Financial Reporting Section at P.O. Box 141031, Salt Lake City, UT, 84114, phone (801) 538-3082 or by email at utahcafr@utah.gov. You may also visit our website at finance.utah.gov.

The preceding discussion and analysis focuses on the State's primary government operations. With the exception of a few nonmajor discretely presented component units, the State's discrete component units each issue separate audited financial statements that include their respective management's discussion and analysis. Discrete component unit statements may be obtained from their respective administrative offices or from the Office of the State Auditor, Utah State Capitol Complex, East Office Building, Suite E310, Salt Lake City, UT 84114. You may also visit their website at auditor.utah.gov.

BASIC FINANCIAL STATEMENTS

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Statement of Net Position

(expressed in thousands)

June 30, 2019

	Primary Government			
	Governmental Activities	Business-type Activities	Total	Component Units
ASSETS				
Cash and Cash Equivalents	$ 2,044,503	$ 1,935,331	$ 3,979,834	$ 1,180,237
Investments	4,664,195	10,536	4,674,731	3,685,284
Taxes Receivable, net	1,556,933	5,014	1,561,947	—
Accounts and Interest Receivable, net	863,073	132,333	995,406	837,725
Amounts Due From:				
Component Units	77,185	1	77,186	—
Primary Government	—	—	—	10,250
Prepaid Items	17,779	2,470	20,249	38,788
Inventories	16,236	38,650	54,886	147,369
Internal Balances	16,400	(16,400)	0	—
Restricted Investments	—	58,634	58,634	1,202,779
Restricted Receivables	—	—	—	8,236
Notes/Loans/Mortgages/Pledges Receivable, net	13,948	2,706,001	2,719,949	291,777
Capital Lease Payments Receivable, net	86,350	—	86,350	—
Pledged Loans Receivables	—	105,826	105,826	—
Other Assets	76,519	—	76,519	98,145
Capital Assets:				
Land and Other Non-depreciable Assets	2,187,779	27,683	2,215,462	856,943
Infrastructure	14,520,394	—	14,520,394	—
Construction in Progress	1,236,466	2,993	1,239,459	668,134
Buildings, Equipment, and Other Depreciable Assets	3,259,797	125,150	3,384,947	13,705,568
Less Accumulated Depreciation	(1,630,635)	(59,008)	(1,689,643)	(5,905,626)
Total Capital Assets	19,573,801	96,818	19,670,619	9,325,019
Total Assets	$ 29,006,922	$ 5,075,214	$ 34,082,136	$ 16,825,609
DEFERRED OUTFLOWS OF RESOURCES				
Total Deferred Outflows of Resources	$ 483,436	$ 12,047	$ 495,483	$ 283,773
LIABILITIES				
Accounts Payable and Accrued Liabilities	$ 1,187,241	$ 43,491	$ 1,230,732	$ 578,565
Amounts Due to:				
Component Units	320	—	320	—
Primary Government	—	—	—	77,324
Securities Lending	77,750	—	77,750	2,923
Unearned Revenue	89,469	4,833	94,302	205,144
Deposits	—	12	12	214,451
Long-term Liabilities:				
Due Within One Year	429,804	285,454	715,258	327,429
Due in More Than One Year	3,670,648	1,094,565	4,765,213	4,552,514
Total Liabilities	$ 5,455,232	$ 1,428,355	$ 6,883,587	$ 5,958,350
DEFERRED INFLOWS OF RESOURCES				
Total Deferred Inflows of Resources	$ 86,312	$ 20,019	$ 106,331	$ 57,950
NET POSITION				
Net Investment in Capital Assets	$ 17,147,477	$ 32,972	$ 17,180,449	$ 5,590,729
Restricted for:				
Transportation	480,698	—	480,698	—
Public Education – Expendable	2,546,744	—	2,546,744	—
Public Education – Nonexpendable	1,696,660	—	1,696,660	—
Higher Education – Expendable	26,075	—	26,075	1,149,212
Higher Education – Nonexpendable	63,306	—	63,306	995,301
Capital Projects	1,845	—	1,845	—
Debt Service	—	152,882	152,882	—
Unemployment Compensation and Insurance Programs	8,607	1,189,344	1,197,951	358,670
Loan Programs	—	944,559	944,559	—
Transit Services	—	—	—	132,735
Other Purposes – Expendable	104,474	—	104,474	7,822
Other Purposes – Nonexpendable	25,218	—	25,218	—
Unrestricted	1,847,710	1,319,130	3,166,840	2,858,613
Total Net Position	$ 23,948,814	$ 3,638,887	$ 27,587,701	$ 11,093,082

The Notes to the Financial Statements are an integral part of this statement.

Statement of Activities

(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

Activities	Expenses	Program Revenues: Charges for Services	Program Revenues: Operating Grants and Contributions	Program Revenues: Capital Grants and Contributions
Primary Government:				
Governmental:				
General Government	$ 576,183	$ 208,338	$ 162,541	$ 1,533
Human Services and Juvenile Justice Services	932,553	10,843	413,944	—
Corrections	340,123	1,960	606	—
Public Safety	363,510	78,901	132,373	—
Courts	165,833	54,481	899	—
Health and Environmental Quality	2,979,063	391,072	2,037,725	—
Higher Education	1,339,338	500	260	—
Employment and Family Services	769,277	9,153	556,901	—
Natural Resources	264,093	107,817	51,847	—
Heritage and Arts	31,928	3,325	8,182	—
Business, Labor, and Agriculture	122,449	119,166	9,054	—
Public Education	4,141,443	75,944	532,791	—
Transportation	1,288,760	222,588	255,455	153,732
Interest and Other Charges on Long-term Debt	83,657	—	—	—
Total Governmental Activities	13,398,210	1,284,088	4,162,578	155,265
Business-type:				
Student Assistance Programs	114,087	97,239	17,417	—
Unemployment Compensation	152,359	169,468	162	—
Water Loan Programs	13,744	729	10,026	—
Community and Economic Loan Programs	2,402	3,159	5,665	—
Liquor Retail Sales	311,261	430,829	305	—
Other Business-type Activities	45,344	45,891	—	—
Total Business-type Activities	639,197	747,315	33,575	0
Total Primary Government	$ 14,037,407	$ 2,031,403	$ 4,196,153	$ 155,265
Component Units:				
Public Employees Health Program	$ 743,910	$ 764,289	$ 26,059	$ —
University of Utah	5,170,867	4,343,261	798,369	111,094
Utah State University	840,991	252,298	404,544	54,192
Utah Transit Authority	492,162	343,924	61,821	63,879
Nonmajor Colleges and Universities	1,277,981	527,808	278,213	107,811
Nonmajor Component Units	101,042	32,220	1,432	—
Total Component Units	$ 8,626,953	$ 6,263,800	$ 1,570,438	$ 336,976

General Revenues:

Taxes:

Sales and Use Tax

Individual Income Tax Imposed for Education

Corporate Tax Imposed for Education

Motor and Special Fuel Taxes Imposed for Transportation

Other Taxes

Total Taxes

Investment Income

State Funding for Colleges and Universities

State Funding for Other Component Units

Gain on Sale of Capital Assets

Miscellaneous

Permanent Endowments Contributions

Transfers—Internal Activities

Total General Revenues, Contributions and Transfers

Change in Net Position

Net Position—Beginning

Adjustment to Beginning Net Position

Net Position—Beginning as Adjusted

Net Position—Ending

The Notes to the Financial Statements are an integral part of this statement.

Net (Expense) Revenue and Changes in Net Position			
Primary Government			
Governmental Activities	Business-type Activities	Total	Component Units
$ (203,771)	$ —	$ (203,771)	$ —
(507,766)	—	(507,766)	—
(337,557)	—	(337,557)	—
(152,236)	—	(152,236)	—
(110,453)	—	(110,453)	—
(550,266)	—	(550,266)	—
(1,338,578)	—	(1,338,578)	—
(203,223)	—	(203,223)	—
(104,429)	—	(104,429)	—
(20,421)	—	(20,421)	—
5,771	—	5,771	—
(3,532,708)	—	(3,532,708)	—
(656,985)	—	(656,985)	—
(83,657)	—	(83,657)	—
(7,796,279)	0	(7,796,279)	0
—	569	569	—
—	17,271	17,271	—
—	(2,989)	(2,989)	—
—	6,422	6,422	—
—	119,873	119,873	—
—	547	547	—
0	141,693	141,693	0
(7,796,279)	141,693	(7,654,586)	0
—	—	—	46,438
—	—	—	81,857
—	—	—	(129,957)
—	—	—	(22,538)
—	—	—	(364,149)
—	—	—	(67,390)
0	0	0	(455,739)
2,804,457	34,278	2,838,735	—
4,346,855	—	4,346,855	—
529,279	—	529,279	—
521,012	—	521,012	—
398,486	—	398,486	—
8,600,089	34,278	8,634,367	0
60,503	68,162	128,665	532
—	—	—	1,097,093
—	—	—	68,534
65,471	(132)	65,339	122
104,415	—	104,415	13,514
—	—	—	39,515
143,736	(143,736)	—	—
8,974,214	(41,428)	8,932,786	1,219,310
1,177,935	100,265	1,278,200	763,571
22,786,348	3,538,622	26,324,970	9,401,499
(15,469)	—	(15,469)	928,012
22,770,879	3,538,622	26,309,501	10,329,511
$ 23,948,814	$ 3,638,887	$ 27,587,701	$ 11,093,082

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General Fund

This fund is the principal operating fund of the State. It accounts for all financial resources not accounted for and reported in another fund.

Education Fund

This fund accounts for all corporate and income taxes that support public and higher education in the State. This fund is also used to account for specific revenues and expenditures that support the public elementary and secondary schools.

Transportation Fund

This fund is maintained to account for revenues and expenditures associated with highway construction and maintenance. Principal funding is provided from dedicated highway user taxes, fees, and federal funds.

Transportation Investment Fund

This capital projects fund is used to account for revenues and expenditures associated with the construction and reconstruction of specific state and federal highways. Projects designated for the Transportation Investment Capacity program are accounted for within this fund. Funding is provided from highway general obligation bonds, federal funds, vehicle registration fees, sales and use taxes, and appropriations.

Trust Lands Fund

This permanent fund accounts for the investment earnings, land grants, and the sale of lands received from the federal *Enabling Act*. The principal in the fund is perpetual with the earnings used primarily to support public education.

Nonmajor Governmental Funds

Nonmajor governmental funds are presented in more detail by fund type within Supplementary Information – Combining Statements and Individual Fund Statements and Schedules.

Balance Sheet
Governmental Funds
(expressed in thousands)

June 30, 2019

		Special Revenue Funds		Capital Projects Fund	Permanent Fund		
	General Fund	Education	Transportation	Transportation Investment	Trust Lands	Nonmajor Governmental Funds	Total Governmental Funds
ASSETS							
Cash and Cash Equivalents	$ 686,919	$ 188,184	$ 406,718	$ —	$ 39,270	$ 643,444	$ 1,964,535
Investments	254,168	561,611	152,799	594,107	2,647,564	453,946	4,664,195
Receivables:							
Accounts, net	525,342	170,525	98,173	—	29,734	31,128	854,902
Accrued Interest	108	117	—	—	266	997	1,488
Accrued Taxes, net	360,528	1,023,192	85,923	84,684	—	2,606	1,556,933
Notes/Mortgages, net	865	11,380	—	—	1,703	—	13,948
Capital Lease Payments, net	—	—	—	—	—	86,350	86,350
Due From Other Funds	50,187	26,627	482	—	1,401	2,810	81,507
Due From Component Units	965	—	—	—	—	75,457	76,422
Prepaid Items	7,625	43	378	—	—	16	8,062
Inventories	421	—	12,769	—	—	—	13,190
Interfund Loans Receivable	31,417	—	—	—	—	—	31,417
Other Assets	250	—	—	—	76,161	—	76,411
Total Assets	$ 1,918,795	$ 1,981,679	$ 757,242	$ 678,791	$ 2,796,099	$ 1,296,754	$ 9,429,360
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES							
Liabilities:							
Accounts Payable and Accrued Liabilities	$ 500,227	$ 266,275	$ 217,545	$ 5,600	$ 24,845	$ 140,601	$ 1,155,093
Due To Other Funds	42,461	1,317	7,053	—	20,779	31,428	103,038
Due To Component Units	94	—	—	—	224	—	318
Securities Lending	—	—	—	—	77,750	—	77,750
Unearned Revenue	61,098	—	19,748	—	—	7,985	88,831
Total Liabilities	603,880	267,592	244,346	5,600	123,598	180,014	1,425,030
Deferred Inflows of Resources:							
Unavailable Revenue	76,395	510,391	1,290	2,896	10,165	86,350	687,487
Total Deferred Inflows of Resources	76,395	510,391	1,290	2,896	10,165	86,350	687,487
Fund Balances:							
Nonspendable:							
Long-term Portion of Interfund Loans Receivable	12,063	—	—	—	—	—	12,063
Prepaid Items	7,625	43	378	—	—	16	8,062
Inventories	421	—	12,769	—	—	—	13,190
Permanent Fund Principal	—	—	—	—	1,785,184	—	1,785,184
Restricted	43,241	1,203,653	493,984	—	877,152	156,545	2,774,575
Committed	835,171	—	—	670,295	—	329,266	1,834,732
Assigned	339,999	—	4,475	—	—	544,563	889,037
Total Fund Balances	1,238,520	1,203,696	511,606	670,295	2,662,336	1,030,390	7,316,843
Total Liabilities, Deferred Inflows of Resources, and Fund Balances	$ 1,918,795	$ 1,981,679	$ 757,242	$ 678,791	$ 2,796,099	$ 1,296,754	$ 9,429,360

The Notes to the Financial Statements are an integral part of this statement.

Reconciliation of the Balance Sheet to the Statement of Net Position
Governmental Funds
(expressed in thousands)

June 30, 2019

Total Fund Balances – Governmental Funds		$ 7,316,843
The total net position reported for governmental activities in the Statement of Net Position is different because:		
Capital assets used in governmental activities are not financial resources and therefore are not reported in the governmental funds: (See Note 8)		
Land and Related Non-depreciable Assets	$ 2,187,779	
Infrastructure, Non-depreciable	14,520,394	
Construction in Progress	1,236,466	
Buildings, Equipment, and Other Depreciable Assets	3,061,497	
Accumulated Depreciation	(1,519,375)	19,486,761
Deferred inflows of resources are not reported in the governmental funds:		
Revenues are not available soon enough after yearend to pay for the current period's expenditures	$ 680,399	
Related to Pensions	(39,355)	
Related to Other Postemployment Benefits	(33,629)	607,415
Internal service funds are used by management to charge the costs of certain activities, such as insurance, technology services, and fleet operations to individual governmental funds. The assets, deferred outflows of resources, liabilities, and deferred inflows of resources of the internal service funds are included in governmental activities in the Statement of Net Position.		32,219
Deferred outflows of resources are not reported in the governmental funds:		
Amount on Refundings of Bonded Debt	$ 15,517	
Related to Pensions	402,786	
Related to OPEB	28,889	447,192
Long-term liabilities and related accrued interest are not due and payable in the current period and therefore are not reported in the governmental funds: (See Note 10)		
General Obligation and Revenue Bonds Payable	$(2,473,203)	
Unamortized Bond Premiums	(106,066)	
Accrued Interest on Bonds Payable	(1,098)	
Pollution Remediation Obligation	(5,324)	
Settlement Obligation	(227)	
Arbitrage Liability	(544)	
Compensated Absences	(211,138)	
Capital Leases	(31,006)	
Net Other Postemployment Benefits Liability	(63,222)	
Net Pension Liability	(1,049,788)	(3,941,616)
Total Net Position – Governmental Activities		$ 23,948,814

The Notes to the Financial Statements are an integral part of this statement.

Statement of Revenues, Expenditures and Changes in Fund Balances
Governmental Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

		Special Revenue Funds		Capital Projects Fund	Permanent Fund		
	General Fund	Education	Transportation	Transportation Investment	Trust Lands	Nonmajor Governmental Funds	Total Governmental Funds
REVENUES							
Taxes:							
Sales and Use Tax	$ 2,147,235	$ —	$ 65	$ 634,888	$ —	$ 23,430	$ 2,805,618
Individual Income Tax	—	4,336,437	—	—	—	—	4,336,437
Corporate Tax	—	534,977	—	—	—	—	534,977
Motor and Special Fuels Tax	—	—	521,199	—	—	—	521,199
Other Taxes	342,048	27,000	13,546	—	—	16,090	398,684
Total Taxes	2,489,283	4,898,414	534,810	634,888	0	39,520	8,596,915
Other Revenues:							
Federal Contracts and Grants	3,103,195	428,881	386,374	—	—	54,576	3,973,026
Charges for Services/Royalties	501,910	1,152	55,193	—	50,757	171,778	780,790
Licenses, Permits, and Fees	25,664	6,449	98,682	89,177	—	—	219,972
Federal Mineral Lease	77,607	—	—	—	—	—	77,607
Intergovernmental	—	—	—	—	—	16,029	16,029
Investment Income	43,630	17,556	9,591	20,833	97,690	28,777	218,077
Miscellaneous Other:							
Liquor Sales Allocated for School Lunch	—	48,024	—	—	—	—	48,024
Miscellaneous and Other	268,298	38,127	49,345	—	—	29,939	385,709
Total Revenues	6,509,587	5,438,603	1,133,995	744,898	148,447	340,619	14,316,149
EXPENDITURES							
Current:							
General Government	420,062	—	—	—	14,362	58,376	492,800
Human Services and Juvenile Justice Services	908,593	—	—	—	—	10,634	919,227
Corrections	322,230	—	—	—	—	6,356	328,586
Public Safety	300,839	—	—	—	—	39,371	340,210
Courts	159,098	—	—	—	—	6,271	165,369
Health and Environmental Quality	2,995,463	—	—	—	—	1,576	2,997,039
Higher Education – State Administration	96,323	—	—	—	—	—	96,323
Higher Education – Colleges and Universities	1,063,258	—	—	—	4,073	34,979	1,102,310
Employment and Family Services	744,336	—	—	—	—	11,277	755,613
Natural Resources	247,042	—	—	—	—	4,503	251,545
Heritage and Arts	31,145	—	—	—	—	836	31,981
Business, Labor, and Agriculture	97,919	—	—	—	—	21,572	119,491
Public Education	—	4,138,708	—	—	—	1,555	4,140,263
Transportation	—	—	994,803	—	—	1,925	996,728
Capital Outlay	—	—	—	612,407	—	235,134	847,541
Debt Service:							
Principal Retirement	—	—	—	—	—	260,949	260,949
Interest and Other Charges	—	—	—	—	—	103,417	103,417
Total Expenditures	7,386,308	4,138,708	994,803	612,407	18,435	798,731	13,949,392
Excess Revenues Over (Under) Expenditures	(876,721)	1,299,895	139,192	132,491	130,012	(458,112)	366,757
OTHER FINANCING SOURCES (USES)							
General Obligation Bonds Issued	—	—	—	127,715	—	—	127,715
Premium on Bonds Issued	—	—	—	22,688	—	620	23,308
Payment to Refunded Bond Escrow Agent	—	—	—	—	—	(27,770)	(27,770)
Sale of Capital Assets	3	—	31,134	—	34,192	2	65,331
Transfers In	1,501,574	94,074	44,027	38,147	19	903,740	2,581,581
Transfers Out	(441,552)	(1,335,011)	(110,400)	(305,565)	(82,663)	(165,530)	(2,440,721)
Total Other Financing Sources (Uses)	1,060,025	(1,240,937)	(35,239)	(117,015)	(48,452)	711,062	329,444
Net Change in Fund Balances	183,304	58,958	103,953	15,476	81,560	252,950	696,201
Fund Balances – Beginning	1,055,216	1,144,738	407,653	654,819	2,596,245	777,440	6,636,111
Adjustment to Beginning Fund Balances	—	—	—	—	(15,469)	—	(15,469)
Fund Balances – Beginning As Adjusted	1,055,216	1,144,738	407,653	654,819	2,580,776	777,440	6,620,642
Fund Balances – Ending	$ 1,238,520	$ 1,203,696	$ 511,606	$ 670,295	$ 2,662,336	$ 1,030,390	$ 7,316,843

The Notes to the Financial Statements are an integral part of this statement.

Reconciliation of the Statement of Revenues, Expenditures and Changes in Fund Balances to the Statement of Activities
Governmental Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019		
Net Change in Fund Balances – Governmental Funds		$ 696,201
The change in net position reported for governmental activities in the Statement of Activities is different because:		
Governmental funds report capital outlays as expenditures. However, in the Statement of Activities the cost of those assets is allocated over their estimated useful lives as depreciation expense. The primary government also constructs buildings for discrete component units. When the buildings are completed they are "transferred" to the respective discrete component unit and reported as expenses in its Statement of Activities. This is the amount by which capital outlays of $663,500 exceeded depreciation expense of $(117,383) and buildings "transferred" to discrete component units of $(140,747) in the current period. (See Note 8)		405,370
In the Statement of Activities only the gain/loss on the sale of assets is reported, whereas in the governmental funds, the proceeds from the sales increase financial resources. Thus the change in net position differs from the change in governmental fund balance by the cost of the assets sold.		(38,709)
Net effect of revenues reported on the accrual basis in the Statement of Activities that are reported as deferred inflows of resources in the governmental funds, as they are unavailable and do not provide current financial resources.		2,959
Internal service funds are used by management to charge the costs of certain activities, such as insurance, technology services, and fleet operations to individual governmental funds. The net revenue (expense) of the internal service funds is reported with governmental activities.		(2,132)
Bond proceeds and capital leases provide current financial resources to governmental funds by issuing debt which increases long-term liabilities in the Statement of Net Position. Repayments of bond and capital lease principal are expenditures in the governmental funds, but reduce liabilities in the Statement of Net Position: (See Note 10)		
Bonds Issued	$ (127,715)	
Premiums on Bonds Issued	(23,308)	
Defeasance on Bonds	27,770	
Payment of Bond Principal	260,949	
Capital Lease Payments	2,126	139,822
Expenditures are recognized in the governmental funds when paid or due for: items not normally paid with available financial resources; and interest on long-term debt unless certain conditions are met. However, the Statement of Activities is presented on the accrual basis and expenses are reported when incurred, regardless of when financial resources are available or expenditures are paid or due. This adjustment combines the net changes of the following balances:		
Pollution Remediation Outlays	$ 42	
Settlement Obligations	46	
Compensated Absences Expense	(26,633)	
Accrued Interest on Bonds Payable	246	
Amortization of Bond Premiums	25,357	
Amortization of Deferred Amount on Refundings of Bonded Debt	(4,305)	
Arbitrage Interest Expense	(544)	
Other Postemployment Benefits Expense	18,860	
Pension Expense	(38,645)	(25,576)
Change in Net Position – Governmental Activities		$ 1,177,935

The Notes to the Financial Statements are an integral part of this statement.

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Student Assistance Programs

These programs are administered by the State Board of Regents and are comprised of the Utah Higher Education Assistance Authority Student Loan Guarantee Program and the Student Loan Purchase Program. The purpose of these programs is to guarantee the repayment of student loans made by participating lenders to eligible borrowers and service outstanding student loans. Funds are acquired from the sale of bonds, lines of credit, and funding notes.

Unemployment Compensation Fund

This fund pays claims for unemployment to eligible recipients and is funded through employer contributions and reimbursements, and federal grants.

Water Loan Programs

These programs provide loans to local governments, water districts, and other entities for the purpose of upgrading water storage facilities and other related structures. Capital for this fund was provided from the General Fund and from general obligation bonds that were repaid with general tax revenues. Additional funds have been generated by issuing water loan recapitalization revenue bonds that are secured by pledged principal and interest payments of specific revolving water resources loan funds.

Community Impact Loan Fund

This fund provides loans to local governments to alleviate the social, economic, and public financial impacts resulting from the development of the State's natural resources. Working capital for this fund is provided from federal mineral lease funds transferred from the General Fund. This fund also administers loans and loan guarantees from federal funds to small businesses under the Small Business Credit Initiative.

Nonmajor Enterprise Funds

Nonmajor enterprise funds are presented in more detail within Supplementary Information – Combining Statements and Individual Fund Statements and Schedules.

Governmental Activities – Internal Service Funds

These funds are maintained to account for the operation of state agencies that provide goods or services to other state agencies and other governmental units on a cost-reimbursement basis. These funds are presented in more detail within Supplementary Information – Combining Statements and Individual Fund Statements and Schedules.

Statement of Net Position
Proprietary Funds
(expressed in thousands)

June 30, 2019

	Business-type Activities - Enterprise Funds						Governmental Activities
	Student Assistance Programs	Unemployment Compensation Fund	Water Loans Programs	Community Impact Loan Fund	Nonmajor Enterprise Funds	Total	Internal Service Funds
ASSETS							
Current Assets:							
Cash and Cash Equivalents	$ 128,577	$ 1,145,835	$ 368,766	$ 212,975	$ 79,178	$ 1,935,331	$ 79,968
Restricted Investments	58,634	—	—	—	—	58,634	—
Receivables:							
Accounts, net	8,559	54,968	2,701	—	13,178	79,406	6,608
Accrued Interest	33,608	—	4,012	4,763	2,727	45,110	—
Accrued Taxes, net	—	—	5,014	—	—	5,014	—
Notes/Loans/Mortgages, net	242,115	—	39,122	26,166	14,884	322,287	—
Due From Other Funds	—	—	12,149	—	15,728	27,877	40,620
Due From Component Units	—	—	—	—	1	1	868
Prepaid Items	710	—	—	—	1,760	2,470	4,005
Inventories	—	—	—	—	38,650	38,650	3,045
Total Current Assets	472,203	1,200,803	431,764	243,904	166,106	2,514,780	135,114
Noncurrent Assets:							
Accounts Receivables	—	2,722	—	—	—	2,722	—
Investments	10,294	—	—	—	242	10,536	—
Prepaid Items	—	—	—	—	—	—	5,712
Accrued Interest Receivable	—	—	3,725	70	1,300	5,095	—
Notes/Loans/Mortgages Receivables, net	1,172,529	—	552,238	459,934	199,013	2,383,714	—
Pledged Loans Receivables	—	—	105,826	—	—	105,826	—
Capital Assets:							
Land	—	—	—	—	27,683	27,683	—
Infrastructure – depreciating	—	—	—	—	430	430	38
Buildings and Improvements	13,436	—	—	—	88,285	101,721	5,455
Machinery and Equipment	4,068	—	—	—	14,809	18,877	180,292
Intangible Assets–Software	1,174	—	—	—	2,948	4,122	12,515
Construction in Progress	—	—	—	—	2,993	2,993	—
Less Accumulated Depreciation	(8,998)	—	—	—	(50,010)	(59,008)	(111,260)
Total Capital Assets	9,680	0	0	0	87,138	96,818	87,040
Total Noncurrent Assets	1,192,503	2,722	661,789	460,004	287,693	2,604,711	92,752
Total Assets	$ 1,664,706	$ 1,203,525	$ 1,093,553	$ 703,908	$ 453,799	$ 5,119,491	$ 227,866
DEFERRED OUTFLOWS OF RESOURCES							
Deferred Amount on Refundings of Bonded Debt	$ —	$ —	$ —	$ —	$ 2,816	$ 2,816	$ 1
Deferred Outflows Relating to Pensions	1,021	—	—	—	7,717	8,738	34,099
Deferred Outflows Relating to Other Postemployment Benefit.	—	—	—	—	493	493	2,145
Total Deferred Outflows of Resources	$ 1,021	$ 0	$ 0	$ 0	$ 11,026	$ 12,047	$ 36,245
LIABILITIES							
Current Liabilities:							
Accounts Payable and Accrued Liabilities	$ 12,853	$ 4,128	$ 1,205	$ 17	$ 24,772	$ 42,975	$ 30,745
Deposits	—	10	—	—	2	12	—
Due To Other Funds	—	6,764	82	6	37,425	44,277	2,919
Due To Component Units	—	—	—	—	—	—	2
Interfund Loans Payable	—	—	—	—	—	—	19,354
Unearned Revenue	—	—	—	—	4,833	4,833	603
Policy Claims and Uninsured Liabilities	—	3,279	—	—	—	3,279	22,709
Notes Payable	—	—	—	—	19	19	45
Revenue Bonds Payable	269,492	—	5,955	—	6,709	282,156	37
Total Current Liabilities	282,345	14,181	7,242	23	73,760	377,551	76,414
Noncurrent Liabilities:							
Unearned Revenue	—	—	—	—	—	—	32
Accrued Liabilities	516	—	—	—	—	516	—
Interfund Loans Payable	—	—	—	—	—	—	12,063
Policy Claims and Uninsured Liabilities	—	—	—	—	—	—	40,849
Notes Payable	—	—	—	—	599	599	182
Revenue Bonds Payable	984,135	—	19,565	—	70,093	1,073,793	21
Net Pension Liability	1,630	—	—	—	17,435	19,065	90,978
Net Other Postemployment Benefit Liability	—	—	—	—	1,108	1,108	5,113
Total Noncurrent Liabilities	986,281	0	19,565	0	89,235	1,095,081	149,238
Total Liabilities	$ 1,268,626	$ 14,181	$ 26,807	$ 23	$ 162,995	$ 1,472,632	$ 225,652
DEFERRED INFLOWS OF RESOURCES							
Deferred Amount on Refundings of Bonded Debt	$ 8,086	$ —	$ —	$ —	$ —	$ 8,086	$ —
Fair Value of Interest Rate Swap Agreements	10,293	—	—	—	—	10,293	—
Deferred Inflows Relating to Pensions	477	—	—	—	608	1,085	3,814
Deferred Inflows Relating to Other Postemployment Benefit	—	—	—	—	555	555	2,426
Total Deferred Inflows of Resources	$ 18,856	$ 0	$ 0	$ 0	$ 1,163	$ 20,019	$ 6,240
NET POSITION							
Net Investment in Capital Assets	$ 6,840	$ —	$ —	$ —	$ 26,132	$ 32,972	$ 87,040
Restricted for:							
Unemployment Compensation and Insurance Programs	—	1,189,344	—	—	—	1,189,344	8,607
Loan Programs	303,845	—	472,661	—	168,053	944,559	—
Debt Service	—	—	152,882	—	—	152,882	—
Unrestricted (Deficit)	67,560	—	441,203	703,885	106,482	1,319,130	(63,428)
Total Net Position	$ 378,245	$ 1,189,344	$ 1,066,746	$ 703,885	$ 300,667	$ 3,638,887	$ 32,219

The Notes to the Financial Statements are an integral part of this statement.

Statement of Revenues, Expenses and Changes in Fund Net Position
Proprietary Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Business-type Activities - Enterprise Funds						Governmental Activities
	Student Assistance Programs	Unemployment Compensation Fund	Water Loans Programs	Community Impact Loan Fund	Nonmajor Enterprise Funds	Total	Internal Service Funds
OPERATING REVENUES							
Sales and Charges for Services/Premiums	$ 25,414	$ 169,123	$ 209	$ —	$ 469,760	$ 664,506	$ 317,041
Fees and Assessments	606	345	520	—	6,337	7,808	—
Interest on Notes/Mortgages	68,787	—	—	—	3,168	71,955	—
Federal Reinsurance and Allowances/Reimbursements	17,417	—	—	—	—	17,417	—
Miscellaneous	2,432	—	—	—	614	3,046	408
Total Operating Revenues	114,656	169,468	729	—	479,879	764,732	317,449
OPERATING EXPENSES							
Administration	4,174	—	—	—	39,497	43,671	134,736
Purchases, Materials, and Services for Resale	—	—	—	—	276,567	276,567	70,834
Grants	—	—	8,797	—	1,423	10,220	285
Rentals and Leases	—	—	25	—	1,961	1,986	5,982
Maintenance	—	—	—	—	5,523	5,523	27,417
Interest	44,081	—	—	—	—	44,081	—
Depreciation/Amortization	1,038	—	—	—	3,805	4,843	18,404
Student Loan Servicing and Related Expenses	46,631	—	—	—	—	46,631	—
Payment to Lenders for Guaranteed Claims	17,409	—	—	—	—	17,409	—
Benefit Claims and Unemployment Compensation	—	152,359	—	—	—	152,359	22,050
Supplies and Other Miscellaneous	404	—	3,755	332	26,658	31,149	44,078
Total Operating Expenses	113,737	152,359	12,577	332	355,434	634,439	323,786
Operating Income (Loss)	919	17,109	(11,848)	(332)	124,445	130,293	(6,337)
NONOPERATING REVENUES (EXPENSES)							
Investment Income	4,913	26,496	20,617	13,718	2,418	68,162	2,097
Federal Contracts and Grants	—	162	10,026	7	5,963	16,158	—
Disposal of Capital Assets	—	—	—	—	(132)	(132)	175
Tax Revenues	—	—	33,753	—	525	34,278	—
Interest Expense	—	—	(1,167)	—	(3,241)	(4,408)	(15)
Refunds Paid to Federal Government	(100)	—	—	—	—	(100)	(2,034)
Other Revenues (Expenses)	(250)	—	—	—	—	(250)	(455)
Total Nonoperating Revenues (Expenses)	4,563	26,658	63,229	13,725	5,533	113,708	(232)
Income (Loss) before Capital Contributions and Transfers	5,482	43,767	51,381	13,393	129,978	244,001	(6,569)
Capital Contributions	—	—	—	—	—	—	1,561
Transfers In	—	—	1,241	—	12,175	13,416	3,134
Transfers Out	—	(2,747)	(13,881)	(17,967)	(122,557)	(157,152)	(258)
Change in Net Position	5,482	41,020	38,741	(4,574)	19,596	100,265	(2,132)
Net Position – Beginning	372,763	1,148,324	1,028,005	708,459	281,071	3,538,622	45,397
Adjustment to Beginning Net Position	—	—	—	—	—	—	(11,046)
Net Position – Beginning as Adjusted	372,763	1,148,324	1,028,005	708,459	281,071	3,538,622	34,351
Net Position – Ending	$ 378,245	$ 1,189,344	$ 1,066,746	$ 703,885	$ 300,667	$ 3,638,887	$ 32,219

The Notes to the Financial Statements are an integral part of this statement.

Statement of Cash Flows
Proprietary Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Business-type Activities – Enterprise Funds						Governmental Activities
	Student Assistance Programs	Unemployment Compensation Fund	Water Loan Fund	Community Impact Loan Fund	Nonmajor Enterprise Funds	Total	Internal Service Funds
CASH FLOWS FROM OPERATING ACTIVITIES							
Receipts from Customers/Loan Interest/Fees/Premiums	$ 72,783	$ 174,274	$ (1,231)	$ —	$ 497,175	$ 743,001	$ 61,184
Receipts from Loan Maturities	269,463	—	—	—	11,030	280,493	—
Receipts Federal Reinsurance and Allowances/Reimbursements	823	(3)	—	—	—	820	—
Receipts from State Customers	—	—	—	—	26,161	26,161	469,770
Payments to Suppliers/Claims/Grants	(18,775)	(153,306)	(8,271)	17	(299,235)	(479,570)	(322,286)
Disbursements for Loans Receivable	(14,127)	—	—	—	(15,658)	(29,785)	—
Payments on Loan Guarantees	(17,286)	—	—	—	—	(17,286)	—
Payments for Employee Services and Benefits	(26,052)	—	—	—	(39,006)	(65,058)	(133,118)
Payments to State Suppliers and Grants	—	—	(3,242)	(326)	(5,887)	(9,455)	(61,603)
Payments of Sales Tax and School Lunch Collections	—	—	—	—	(50,039)	(50,039)	—
Net Cash Provided (Used) by Operating Activities	266,829	20,965	(12,744)	(309)	124,541	399,282	13,947
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES							
Borrowings Under Interfund Loans	—	—	—	—	34,418	34,418	3,697
Repayments Under Interfund Loans	—	—	—	—	(34,574)	(34,574)	—
Payments of Bonds, Notes, Deposits, and Refunds	(241,085)	—	(5,705)	—	—	(246,790)	(41)
Interest Paid on Bonds, Notes, and Financing Costs	(46,282)	—	10,988	—	—	(35,294)	(11)
Federal Contracts and Grants and Other Revenues	—	162	10,021	6	7,153	17,342	—
Restricted Sales Tax	—	—	33,290	—	525	33,815	—
Transfers In from Other Funds	—	—	1,241	—	12,175	13,416	1,349
Transfers Out to Other Funds	—	(2,747)	(13,881)	(17,967)	(122,557)	(157,152)	(258)
Net Cash Provided (Used) by Noncapital Financing Activities	(287,367)	(2,585)	35,954	(17,961)	(102,860)	(374,819)	4,736
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES							
Borrowings Under Interfund Loans	—	—	—	—	—	—	16,944
Repayments Under Interfund Loans	—	—	—	—	—	—	(23,464)
Proceeds from Bond and Note Debt Issuance	—	—	—	—	305	305	—
Proceeds from Disposition of Capital Assets	—	—	—	—	13	13	3,854
Federal Grants and Other Revenues	—	—	—	—	—	—	1,561
Principal Paid on Debt and Contract Maturities	—	—	—	—	(5,609)	(5,609)	(84)
Acquisition and Construction of Capital Assets	(442)	—	—	—	(1,316)	(1,758)	(17,266)
Interest Paid on Bonds, Notes, and Capital Leases	—	—	—	—	(3,635)	(3,635)	(1)
Transfers In from Other Funds	—	—	—	—	—	—	1,785
Net Cash Provided (Used) by Capital and Related Financing Activities	(442)	0	0	0	(10,242)	(10,684)	(16,671)
CASH FLOWS FROM INVESTING ACTIVITIES							
Proceeds from the Sale and Maturity of Investments	322,419	—	—	—	12	322,431	—
Receipts of Interest and Dividends	4,924	26,496	8,447	13,718	1,279	54,864	2,097
Receipts from Loan Maturities	—	—	39,616	32,316	2,057	73,989	—
Receipts of Interest from Loans	—	—	636	21	671	1,328	—
Payments to Purchase Investments	(310,740)	—	—	—	—	(310,740)	—
Disbursements for Loans Receivable	—	—	(73,659)	(56,208)	(36,750)	(166,617)	—
Net Cash Provided (Used) by Investing Activities	16,603	26,496	(24,960)	(10,153)	(32,731)	(24,745)	2,097
Net Cash Provided (Used) – All Activities	(4,377)	44,876	(1,750)	(28,423)	(21,292)	(10,966)	4,109
Cash and Cash Equivalents – Beginning	132,954	1,100,959	370,516	241,398	100,470	1,946,297	75,859
Cash and Cash Equivalents – Ending	$ 128,577	$ 1,145,835	$ 368,766	$ 212,975	$ 79,178	$ 1,935,331	$ 79,968

The Notes to the Financial Statements are an integral part of this statement.

Continues

	Business-type Activities – Enterprise Funds						Governmental Activities
	Student Assistance Programs	Unemployment Compensation Fund	Water Loan Fund	Community Impact Loan Fund	Nonmajor Enterprise Funds	Total	Internal Service Funds
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED (USED) BY OPERATING ACTIVITIES							
Operating Income (Loss)	$ 919	$ 17,109	$ (11,848)	$ (332)	$ 124,445	$ 130,293	$ (6,337)
Adjustments to Reconcile Operating Income (Loss) to Net Cash Provided (Used) by Operating Activities:							
Depreciation/Amortization Expense	1,038	—	—	—	3,805	4,843	18,404
Interest Expense for Noncapital and Capital Financing	44,689	—	—	—	—	44,689	—
Pension and OPEB Expense Accruals	(45)	—	—	—	447	402	1,424
Miscellaneous Gains, Losses, and Other Items	(305)	—	—	—	—	(305)	(2,489)
Net Changes in Assets, Deferred Outflows of Resources, Liabilities, and Deferred Inflows of Resources:							
Accounts Receivable/Due From Other Funds	(6,480)	3,777	(1,394)	—	(7,281)	(11,378)	(12,600)
Notes/Accrued Interest Receivables	227,579	—	—	—	(4,540)	223,039	—
Inventories	—	—	—	—	(701)	(701)	2,330
Prepaid Items/Deferred Charges	(210)	—	—	—	(1,368)	(1,578)	(1,689)
Accrued Liabilities/Due to Other Funds	(356)	1,164	498	23	9,108	10,437	9,964
Unearned Revenue/Deposits	—	—	—	—	626	626	(1,288)
Policy Claims Liabilities	—	(1,085)	—	—	—	(1,085)	6,228
Net Cash Provided (Used) by Operating Activities	$ 266,829	$ 20,965	$ (12,744)	$ (309)	$ 124,541	$ 399,282	$ 13,947
SCHEDULE OF NONCASH INVESTING, CAPITAL, AND FINANCING ACTIVITIES							
Increase (Decrease) in Fair Value of Investments	$ —	$ —	$ 61	$ 44	$ (186)	$ (81)	$ 42
Total Noncash Investing, Capital, and Financing Activities	$ 0	$ 0	$ 61	$ 44	$ (186)	$ (81)	$ 42

The Notes to the Financial Statements are an integral part of this statement.

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Pension and Other Employee Benefit Trust Funds

These funds are used to account for the defined benefit pension plans and defined contribution plans administered by the Utah Retirement Systems, and the Post-Retirement Benefits Trust Funds, defined benefit other postemployment benefit plans (OPEB Plans), and other employee benefit plans administered by the State.

Investment Trust Fund

This fund is used to account for the investments related to external participants in the Utah State Public Treasurers' Investment Fund.

Private Purpose Trust Funds

These funds are used to report resources of all other trust arrangements under which principal and income benefit individuals, private organizations, or other governments.

Agency Funds

Agency funds account for assets held by the State as an agent for other governmental units, other organizations, or individuals.

Individual funds are presented in more detail by fund type within Supplementary Information – Combining Statements and Individual Fund Statements and Schedules.

Statement of Fiduciary Net Position

Fiduciary Funds

(expressed in thousands)

June 30, 2019	Pension and Other Employee Benefit Trust Funds	Investment Trust Fund	Private Purpose Trust Fund	Agency Funds
ASSETS				
Cash and Cash Equivalents	$ 1,570,443	$ 64	$ 10,169	$ 181,006
Receivables:				
Accounts	847	—	6,434	20,048
Contributions	58,544	—	—	—
Investments	707,266	—	—	—
Accrued Interest	—	—	—	—
Accrued Assessments	—	—	2,939	—
Loans	—	—	1,169	—
Due From Other Funds	—	—	182	123
Investments:				
Debt Securities	7,623,410	10,221,267	3,426,433	3,309
Equity Investments	14,320,272	—	11,196,317	—
Absolute Return	4,598,396	—	—	—
Private Equity	3,661,356	—	—	—
Real Assets	5,445,086	—	—	—
Invested Securities Lending Collateral	1,058,056	—	—	—
Total Investments	$ 36,706,576	$ 10,221,267	$ 14,622,750	$ 3,309
Other Assets	—	—	12,397	54,121
Capital Assets:				
Land	1,781	—	270	—
Buildings and Improvements	20,270	—	10,715	—
Machinery and Equipment	3,127	—	2,865	—
Intangible Assets	6,615	—	11	—
Less Accumulated Depreciation	(27,118)	—	(6,949)	—
Total Capital Assets	4,675	0	6,912	0
Total Assets	$ 39,048,351	$ 10,221,331	$ 14,662,952	$ 258,607
DEFERRED OUTFLOWS OF RESOURCES				
Deferred Outflows Relating to Pensions	$ 0	$ 0	$ 578	$ 0
LIABILITIES				
Accounts Payable	$ 625,006	$ 17,125	$ 1,901	$ —
Securities Lending Liability	1,058,056	—	—	—
Due To Other Funds	—	—	75	—
Due To Individuals, Organizations, and Other Governments	—	—	—	258,607
Unearned Revenue	—	—	376	—
Leave/Postemployment Benefits	17,490	—	—	—
Policy Claims Liabilities/Insurance Reserves	4,822	—	225,087	—
Real Estate Liabilities	119,999	—	—	—
Net Pension Obligation	—	—	1,007	—
Total Liabilities	$ 1,825,373	$ 17,125	$ 228,446	$ 258,607
DEFERRED INFLOWS OF RESOURCES				
Deferred Inflows Relating to Pensions	$ 0	$ 0	$ 318	$ 0
NET POSITION				
Restricted for:				
Pension Benefits	$ 31,259,522	$ —	$ —	
Other Postemployment Benefits	287,722	—	—	
Other Employee Benefits	45,798	—	—	
Defined Contribution	5,629,936	—	—	
Pool Participants	—	10,204,206	—	
Individuals, Organizations, and Other Governments	—	—	14,434,766	
Total Net Position	$ 37,222,978	$ 10,204,206	$ 14,434,766	
Participant Account Balance:				
Net Position Valuation Factor		1.00412782		

The Notes to the Financial Statements are an integral part of this statement.

Statement of Changes in Fiduciary Net Position
Fiduciary Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Pension and Other Employee Benefit Trust Funds	Investment Trust Fund	Private Purpose Trust Fund
ADDITIONS			
Contributions:			
Member	$ 441,837	$ —	$ 1,328,070
Employer	1,203,506	—	—
Court Fees and Fire Insurance Premiums	10,265	—	—
Total Contributions	1,655,608	0	1,328,070
Pool Participant Deposits	—	11,328,498	—
Investment Income:			
Net Increase (Decrease) in Fair Value of Investments	(968,209)	6,204	451,890
Interest, Dividends, and Other Investment Income	703,823	298,011	409,335
Total Income From Investment Activity	(264,386)	304,215	861,225
Less Investment Expenses	(68,760)	(552)	—
Net Income from Investment Activity	(333,146)	303,663	861,225
Income from Security Lending Activity	8,168	—	—
Less Security Lending Expenses	(1,062)	—	—
Net Income from Security Lending Activity	7,106	0	0
Net Investment Income	(326,040)	303,663	861,225
Transfers From Affiliated Systems	26,693	—	—
Other Additions:			
Escheats	—	—	44,465
Royalties and Rents	—	—	4,177
Fees, Assessments, and Revenues	—	—	49,195
Miscellaneous	—	—	5,285
Total Other	—	—	103,122
Total Additions	1,356,261	11,632,161	2,292,417
DEDUCTIONS			
Pension Benefits	1,670,644	—	—
Retiree Healthcare Benefits	30,972	—	—
Refunds/Plan Distributions	348,885	—	—
Earnings Distribution	—	297,460	—
Pool Participant Withdrawals	—	10,620,711	—
Transfers To Affiliated Systems	26,693	—	—
Trust Operating Expenses	—	—	29,143
Distributions and Benefit Payments	—	—	684,383
Administrative and General Expenses	21,743	—	29,532
Total Deductions	2,098,937	10,918,171	743,058
Change in Net Position Restricted for:			
Pension Benefits	(619,096)	—	—
Other Postemployment Benefits	22,656	—	—
Other Employee Benefits	17,832	—	—
Defined Contributions	(164,068)	—	—
Pool Participants	—	713,990	—
Individuals, Organizations, and Other Governments	—	—	1,549,359
Net Position – Beginning	37,965,654	9,490,216	12,885,407
Adjustment to Beginning Net Position	—	—	—
Net Position – Beginning as Adjusted	37,965,654	9,490,216	12,885,407
Net Position – Ending	$ 37,222,978	$ 10,204,206	$ 14,434,766

The Notes to the Financial Statements are an integral part of this statement.

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Public Employees Health Program

This program provides employee medical and other insurance services predominantly for agencies of the State. It also provides claims processing and insurance services for local governments and other public entities within Utah.

University of Utah and Utah State University

These universities are funded through state appropriations, tuition, federal grants, and private donations and grants. In addition to instruction, these universities provide research and other services. The operations of the University of Utah also include the University of Utah Health Insurance Plans, a legally separate non-profit corporation of which the University is the sole corporate member, and its hospitals and clinics.

Utah Transit Authority

The Authority is an independent, nonprofit corporation whose purpose is to provide a public mass transportation system for Utah communities along the Wasatch Front and a small portion of Juab County. The Authority's operations include commuter rail service, light rail service, bus service, paratransist service for the transit disabled, rideshare and van pool programs system wide.

Nonmajor Component Units

Nonmajor component units are presented in more detail within Supplementary Information – Combining Statements and Individual Fund Statements and Schedules.

Combining Statement of Net Position
Component Units
(expressed in thousands)

June 30, 2019	Public Employees Health Program	University of Utah	Utah State University	Utah Transit Authority	Nonmajor Component Units	Total
ASSETS						
Current Assets:						
Cash and Cash Equivalents	$ 145,062	$ 607,196	$ 53,914	$ 103,038	$ 271,027	$ 1,180,237
Investments	12,872	958,358	37,832	—	160,802	1,169,864
Receivables:						
Accounts, net	55,475	551,913	69,386	79,315	39,909	795,998
Notes/Loans/Mortgages/Pledges, net	—	35,511	2,234	—	4,776	42,521
Accrued Interest	2,142	10,152	—	—	245	12,539
Due From Primary Government	—	—	—	9,930	320	10,250
Prepaid Items	21,017	—	4,294	2,842	10,635	38,788
Inventories	—	97,148	4,001	35,552	10,668	147,369
Other Assets	—	33,032	—	—	466	33,498
Total Current Assets	236,568	2,293,310	171,661	230,677	498,848	3,431,064
Noncurrent Assets:						
Restricted Investments	—	762,454	243,718	132,734	63,873	1,202,779
Restricted Receivables, net	—	—	8,236	—	—	8,236
Accounts Receivables, net	—	—	15,168	—	14,020	29,188
Investments	264,493	1,378,320	387,801	—	484,806	2,515,420
Notes/Loans/Mortgages/Pledges Receivables, net	—	198,757	7,274	—	43,225	249,256
Other Assets	85	20,840	—	31,747	11,975	64,647
Capital Assets (net of Accumulated Depreciation)	67	3,468,781	956,964	3,089,897	1,809,310	9,325,019
Total Noncurrent Assets	264,645	5,829,152	1,619,161	3,254,378	2,427,209	13,394,545
Total Assets	$ 501,213	$ 8,122,462	$ 1,790,822	$ 3,485,055	$ 2,926,057	$ 16,825,609
DEFERRED OUTFLOWS OF RESOURCES						
Deferred Amount on Refundings of Bonded Debt	$ —	$ 7,964	$ 7,090	$ 88,490	$ 626	$ 104,170
Deferred Outflows Relating to Pensions	6,912	64,811	20,411	31,931	55,173	179,238
Deferred Outflows Relating to Other Postemployment Benefits	—	—	—	—	365	365
Total Deferred Outflows of Resources	$ 6,912	$ 72,775	$ 27,501	$ 120,421	$ 56,164	$ 283,773
LIABILITIES						
Current Liabilities:						
Accounts Payable and Accrued Liabilities	$ 12,617	$ 348,888	$ 79,981	$ 52,042	$ 56,527	$ 550,055
Securities Lending Liability	2,923	—	—	—	—	2,923
Deposits	—	166,599	108	—	3,426	170,133
Due To Primary Government	—	61,367	1,441	138	14,378	77,324
Unearned Revenue	3,392	125,088	23,484	11,622	39,778	203,364
Current Portion of Long-term Liabilities	69,305	158,379	29,613	36,818	33,314	327,429
Total Current Liabilities	88,237	860,321	134,627	100,620	147,423	1,331,228
Noncurrent Liabilities:						
Accrued Liabilities	13,906	—	7,886	5,626	1,092	28,510
Unearned Revenue	—	—	1,265	—	515	1,780
Deposits	—	44,318	—	—	—	44,318
Net Pension Liability	11,139	174,785	53,846	131,548	125,267	496,585
Net Other Postemployment Benefit Liability	—	—	—	—	645	645
Long-term Liabilities	77,708	1,119,434	250,092	2,385,003	223,047	4,055,284
Total Noncurrent Liabilities	102,753	1,338,537	313,089	2,522,177	350,566	4,627,122
Total Liabilities	$ 190,990	$ 2,198,858	$ 447,716	$ 2,622,797	$ 497,989	$ 5,958,350
DEFERRED INFLOWS OF RESOURCES						
Deferred Revenue	$ —	$ —	$ 559	$ —	$ —	$ 559
Deferred Inflows Relating to Beneficial Interests	—	—	3,673	—	9,438	13,111
Deferred Amount on Refundings of Bonded Debt	—	1,441	—	—	—	1,441
Deferred Inflows Relating to Pensions	3,607	14,917	2,695	3,384	17,818	42,421
Deferred Inflows Relating to Other Postemployment Benefits	—	—	—	—	418	418
Total Deferred Inflows of Resources	$ 3,607	$ 16,358	$ 6,927	$ 3,384	$ 27,674	$ 57,950
NET POSITION						
Net Investment in Capital Assets	$ 67	$ 2,411,866	$ 742,503	$ 827,646	$ 1,608,647	$ 5,590,729
Restricted for:						
Nonexpendable:						
Higher Education	—	633,722	149,442	—	212,137	995,301
Expendable:						
Higher Education	—	704,999	235,920	—	208,293	1,149,212
Insurance Plan	313,461	45,209	—	—	—	358,670
Transit Services	—	—	—	132,735	—	132,735
Other	—	—	—	—	7,822	7,822
Unrestricted	—	2,184,225	235,815	18,914	419,659	2,858,613
Total Net Position	$ 313,528	$ 5,980,021	$ 1,363,680	$ 979,295	$ 2,456,558	$ 11,093,082

The Notes to the Financial Statements are an integral part of this statement.

Combining Statement of Activities
Component Units
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019	Public Employees Health Program	University of Utah	Utah State University	Utah Transit Authority	Nonmajor Component Units	Total
Expenses	$ 743,910	$ 5,170,867	$ 840,991	$ 492,162	$ 1,379,023	$ 8,626,953
Program Revenues:						
Charges for Services:						
Tuition and Fees	—	465,766	243,127	—	589,678	1,298,571
Scholarship Allowances	—	(98,592)	(92,879)	—	(170,350)	(361,821)
Sales, Services, and Other Revenues (net of University of Utah patient services allowance of $110,943)	764,289	3,976,087	102,050	343,924	140,700	5,327,050
Operating Grants and Contributions	26,059	798,369	404,544	61,821	279,645	1,570,438
Capital Grants and Contributions	—	111,094	54,192	63,879	107,811	336,976
Total Program Revenues	790,348	5,252,724	711,034	469,624	947,484	8,171,214
Net (Expenses) Revenues	46,438	81,857	(129,957)	(22,538)	(431,539)	(455,739)
General Revenues:						
State Appropriations	—	365,706	220,450	—	579,471	1,165,627
Unrestricted Investment Income	—	—	—	—	532	532
Gain (Loss) on Sale of Capital Assets	—	—	—	—	122	122
Miscellaneous	—	—	—	8,156	5,358	13,514
Permanent Endowments Contributions	—	30,637	3,806	—	5,072	39,515
Total General Revenues and Contributions	0	396,343	224,256	8,156	590,555	1,219,310
Change in Net Position	46,438	478,200	94,299	(14,382)	159,016	763,571
Net Position – Beginning	267,090	5,567,486	1,269,381	993,677	2,297,542	10,395,176
Adjustment to Beginning Net Position	—	(65,665)	—	—	—	(65,665)
Net Position – Beginning as Adjusted	267,090	5,501,821	1,269,381	993,677	2,297,542	10,329,511
Net Position – Ending	$ 313,528	$ 5,980,021	$ 1,363,680	$ 979,295	$ 2,456,558	$ 11,093,082

The Notes to the Financial Statements are an integral part of this statement.

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NOTES TO THE FINANCIAL STATEMENTS

For the Fiscal Year Ended June 30, 2019

Paddling Canoe on the Colorado River

For the Fiscal Year Ended June 30, 2019

Index to the Notes to the Financial Statements

NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The accounting policies of the State of Utah conform in all material respects with Generally Accepted Accounting Principles (GAAP) as prescribed by the Governmental Accounting Standards Board (GASB). Preparation of the financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts and disclosures in the financial statements. Actual results could differ from those estimates.

A. Reporting Entity

For financial reporting purposes, the State of Utah's reporting entity includes the "primary government" and its "discrete component units." The primary government includes all funds, organizations, institutions, agencies, boards, and commissions that make up its legal entity. The State's discrete component units are legally separate organizations for which the State's elected officials are financially accountable.

The GASB has set forth criteria to be considered in determining financial accountability. These criteria include appointing a voting majority of an organization's governing body and either: (***1***) the ability of the State to impose its will on that organization; or (***2***) the potential for the organization to provide specific financial benefits to, or impose specific financial burdens on the State.

Where the State does not appoint a voting majority of an organization's governing body, GASB standards require inclusion in the reporting entity if: (***1***) an organization is fiscally dependent on the State because its resources are held for the direct benefit of the State, or can be accessed by the State; and (***2***) the potential for the organization to provide specific financial benefits to, or impose specific financial burdens on the State. In addition, discrete component units can be other organizations for which the nature and significance of their relationship with the primary government are such that exclusion would cause the financial statements to be misleading.

Except where noted below, the State's discrete component units issue their own separately audited financial statements as special-purpose governments engaged only in business-type activities. These financial statements can be obtained from their respective administrative offices or from the Office of the State Auditor, Utah State Capitol Complex, East Office Building, Suite E310, Salt Lake City, UT 84114, or online at auditor.utah.gov.

Entities such as the local school districts, charter schools, and other local authorities of various kinds that may only partially meet the criteria for inclusion in this report have not been included. The State's support of the public education system is reported in the Education Fund (special revenue fund).

Blended Component Units

A component unit should be reported as part of the primary government and blended into the appropriate funds if : (***1***) services are provided entirely or almost entirely to the primary government; (***2***) the governing body is substantively the same as the governing body of the primary government and there is a financial benefit or burden relationship, or the primary government has operational responsibility; (***3***) the component unit's total debt outstanding is expected to be repaid entirely or almost entirely by the primary government; or (***4***) if it is organized as a not-for-profit corporation in which the primary government is the sole corporate member.

Utah State Building Ownership Authority (blended with the primary government's debt service and capital projects funds) – The Authority was created by the Legislature as a body politic and corporate for the sole purpose of financing, owning, leasing, and operating facilities to meet the needs of state government. In addition, any debt is paid entirely with resources of the State. The Board is comprised of three members: the Governor or designee, the State Treasurer, and the Chair of the State Building Board. Separate financial statements are not required or issued for the Authority.

Discrete Component Units

Discretely presented component units are reported in a separate column and/or rows in each of the government-wide statements to emphasize that they are legally separate from the State.

Except for the Utah Schools for the Deaf and Blind and the Utah System of Technical Colleges, the State appoints at least a majority of the governing board members of each of the State's discrete component units, subject in most cases with consent from the Senate. The Utah Schools for the Deaf and Blind and the Utah System of Technical Colleges are included in the reporting entity because they meet both the fiscal dependency and financial benefit and burden relationship. The State approves and modifies the budgets and provides financial support for the Utah Schools for the Deaf and Blind and the Utah System of Technical Colleges.

The State has the ability to impose its will on the colleges and universities, the Utah Communications Authority, and the Public Employees Health Program, and the Utah State Fair Corporation, due to the level of budget oversight. The State appointed board members of the Utah Transit Authority, the Military Installation Development Authority, the Heber Valley Historic Railroad Authority, the Utah State Fair Corporation, and the Utah Inland Port Authority can be replaced at will by the State.

The determination that a discrete component unit is "major" is based on the nature and significance of its relationship to the primary government. The State's major discrete component units are:

Public Employees Health Program – This Program provides employee medical and other insurance services predominantly for agencies of the State. It also provides claims processing and insurance services for local governments and other public entities within Utah. The Program is administered by the Utah State Retirement Board.

University of Utah and Utah State University – These universities are funded primarily through state appropriations, tuition, federal grants, and private donations and grants. In addition to instruction, these universities provide research and other services. The operations of the University of Utah also include the University of Utah Health Insurance Plans, a legally separate non-profit corporation of which the University is the sole corporate member, and its hospital and clinics.

Utah Transit Authority – During the 2018 General Session the Legislature passed Senate Bill 136, modifying the governance structure of the Authority, creating a governing board appointed by the Governor. This Authority is an independent, nonprofit corporation whose purpose is to provide a public mass transportation system for Utah communities in the Wasatch Front and a small portion of Juab County The Authority's operations include commuter rail service, light rail service, bus service, paratransit service for the transit disabled, rideshare and van pool programs system wide.

The State's nonmajor discrete component units are:

Utah Communications Authority – This Authority was established by the Utah State Legislature to provide public safety communication services and facilities on a regional or statewide basis for the benefit and use of all state and local governmental agencies.

Utah Schools for the Deaf and the Blind – These Schools provide practical education to individuals with hearing and/or vision impairments. Although not required, these Schools issue separate but unaudited financial statements.

Utah State Fair Corporation – This Corporation is a nonprofit public corporation that operates the State Fair Park and conducts the Utah State Fair and other various expositions and entertainment events.

Colleges and Universities – Weber State University, Southern Utah University, Salt Lake Community College, Utah Valley University, Dixie State University, Snow College, and the Utah System of Technical Colleges. These colleges and universities are funded primarily through state appropriations, tuition, federal grants, and private donations and grants. Separately audited financial statements are issued for the technical colleges within the Utah System of Technical Colleges.

Utah Charter School Finance Authority – This Authority was created to provide an efficient and cost-effective method of issuing conduit debt on behalf of charter schools to acquire or construct charter school facilities. The debt is the responsibility of the charter schools and neither the State nor any political subdivision of the State is obligated for repayment of the debt. Accordingly, this debt is not included as part of the State's reporting entity. No financial statements are required or issued.

Military Installation Development Authority – This Authority is an independent nonprofit entity whose purpose is to provide for the development and improvement of project areas near military installations throughout the State.

Heber Valley Historic Railroad Authority – This Authority is an independent state agency that maintains and operates a scenic and historic railroad in and around the Heber Valley. The Authority issues a separate publicly available compilation report.

Utah Inland Port Authority – This Authority is an independent, nonprofit corporation whose purpose is to facilitate the development of the authority jurisdictional land to maximize the long-term economic and other benefit for the State. The Authority does not issue separate financial statements.

Fiduciary Component Units

Utah Retirement Systems (URS) (pension trust and defined contribution plans) – URS administers pension funds for various public employee retirement systems and plans of the State and its political subdivisions. URS is an independent state agency subject to legislative and executive department budgetary examination and comment. The Utah State Retirement Board, a seven-member board, is established by statute to administer the systems and plans, and to serve as investment trustees of the funds. Six members are appointed by the State with the advice and consent of the Senate, while the State Treasurer serves as the seventh member. Because of the State's trustee responsibilities for these systems and plans, GAAP requires them to be reported as pension trust funds of the primary government rather than discrete component units.

Utah Educational Savings Plan Trust, dba my529 (Private Purpose Trust Fund) – This trust is a non-profit, self-supporting entity that was created as a means to encourage investment in a public trust to pay for future higher education costs. It is administered by the Utah State Board of Regents acting in its capacity as the Utah Higher Education Assistance Authority. Because of the State's trustee responsibilities for this plan, GAAP requires it to be reported as a private purpose trust fund of the primary government rather than a discrete component unit.

In accordance with GAAP, fiduciary funds and discretely presented component units that are fiduciary in nature are excluded from the government-wide financial statements.

Related Organization (Excluded from Financial Statements)

Utah Housing Corporation (UHC) – UHC is a statutorily created public corporation. UHC issues bonds to provide capital for housing and home mortgages, especially for low and moderate-income families. Although the Governor appoints eight of the nine members of the governing board, and the ninth member is the State Treasurer, the State does not have the ability to impose its will on UHC since board members can only be removed for cause. UHC does not provide specific financial benefits to, or impose specific financial burdens on the State.

B. Government-wide and Fund Financial Statements

Government-wide Financial Statements

The Statement of Net Position and Statement of Activities report information on all nonfiduciary activities of the primary government and its discrete component units. Primary government activities are distinguished between *governmental* and *business-type* activities. Governmental activities generally are financed through taxes, intergovernmental revenues, and other nonexchange revenues. Business-type activities are financed in whole or in part by fees charged to external parties for goods or services.

The Statement of Net Position presents the reporting entity's nonfiduciary assets, deferred outflows of resources, liabilities, and deferred inflows of resources, with the difference reported as net position. Net position is restricted when there are constraints either externally imposed or imposed by constitutional provisions or enabling legislation.

The Statement of Activities demonstrates the degree to which the direct expenses of a given activity or segment are offset by program revenues. Direct expenses are those that are clearly identifiable within a specific activity. The State does not allocate general government (indirect) expenses to other activities. Program revenues include: (***1***) charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given activity; and (***2***) grants and contributions that are restricted to meeting the operational or capital requirements of a particular activity. Taxes and other revenues not meeting the definition of program revenues are reported as general revenues.

Fund Financial Statements

Separate financial statements are provided for governmental funds, proprietary funds, and fiduciary funds, even though the latter are excluded from the government-wide statements. For governmental and proprietary fund financial statements, the emphasis is on major individual governmental and enterprise funds, with each displayed in a separate column. All remaining governmental and enterprise funds are aggregated and reported as nonmajor funds. Internal service funds are also aggregated and reported in a separate column on the proprietary fund financial statements.

C. Measurement Focus, Basis of Accounting, and Financial Statement Presentation

Government-wide Financial Statements

The government-wide financial statements are prepared using the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when the related liability is incurred, regardless of the timing of the cash flows. Nonexchange transactions in which the State receives value without directly giving equal value in exchange include taxes, grants, and donations. Tax revenue is recognized in the fiscal year in which the related sales, wages, or activity being taxed occurred. Revenue from grants and donations is recognized in the fiscal year in which all eligibility requirements have been met.

Governmental Fund Financial Statements

The governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be available when they are collected within the current period or expected to be collected soon enough thereafter to pay liabilities of the current period. For this purpose, the State generally considers taxes and other revenues to be available if the revenues are collected within 45 days after yearend. An exception to this policy is federal grant revenues, which generally are considered to be available if collection is expected within 12 months after yearend.

Expenditures are generally recorded when the related liability is incurred, as under the accrual basis of accounting. However, expenditures for principal and interest on long-term debt are recorded when due or when amounts have been accumulated in the debt service fund for payment of interest to be made early in the following year. Also, expenditures and related liabilities for compensated absences and claims and judgments are recorded only to the extent they have matured (i.e., come due for payment).

Major Governmental Funds – The State reports the following major governmental funds:

- **General Fund**. This fund is the principal operating fund of the State. It accounts for all financial resources not accounted for and reported in another fund.
- **Education Fund**. This special revenue fund accounts for all corporate taxes, income taxes, and revenues from taxes on intangible property that support public and higher education. Specific revenues that support public elementary and secondary schools in the State are also reported in the Education Fund.
- **Transportation Fund**. This special revenue fund accounts for dedicated highway user taxes, fees, and federal funds associated with construction, maintenance, and repair of state highways and local roads.
- **Transportation Investment Fund**. This capital projects fund accounts for vehicle registration fees, sales and use taxes, bond proceeds, and federal funds used in the construction and reconstruction of specific highway projects. Projects designated for the Transportation Investment Capacity program are accounted for in this fund.
- **Trust Lands Fund**. This is a permanent fund that accounts for investment earnings, land grants, and the sale of lands received from the federal *Enabling Act*. The principal in the fund is perpetual, with the earnings used primarily to support public education. The Utah Constitution allows all investment earnings of the permanent fund to be distributed, limited to four percent of the fund (calculation described in statute). The Utah School and Institutional Trust Lands Administration (SITLA) and the School and Institutional Trust Fund Office (SITFO) manage the assets of the Trust. SITFO issued separate audited statements for the investments they manage.

Nonmajor Governmental Funds – The State's nonmajor governmental funds include special revenue funds, capital projects funds, and debt service funds. The nonmajor special revenue funds account for specific revenue sources that are restricted or committed to expenditures for specific purposes. Examples include tobacco settlement monies, environmental activities, crime victim reparations, debt collections, and rural development programs. The capital projects funds account for resources used for capital outlays, including the acquisition, construction, or improvement of capital facilities other than those financed by the Transportation Investment Fund, proprietary funds, or assets held in trust. The debt service funds account for resources used for the payment of principal and interest on general long-term debt obligations.

Proprietary Fund Financial Statements

The financial statements of the proprietary funds are reported using the economic resources measurement focus and the accrual basis of accounting, similar to the government-wide financial statements described previously. Proprietary funds include both enterprise and internal service fund types. Enterprise funds report the activities for which fees are charged to external users for goods or services. Internal service funds account for goods and services provided primarily to other agencies or funds of the State, rather than to the general public.

Proprietary funds distinguish operating revenues and expenses from non-operating. Operating revenues and expenses generally result from providing services, and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. Revenues and expenses not meeting this definition, such as subsidies and investment earnings, are reported as non-operating.

Major Enterprise Funds – The State reports the following major enterprise funds in its proprietary fund statements:

- **Student Assistance Programs**. These programs guarantee the repayment of student loans made by participating lenders to eligible borrowers and service outstanding student loans.
- **Unemployment Compensation Fund**. This fund pays claims for unemployment to eligible recipients.
- **Water Loan Programs**. These programs provide loans to local governments, water districts, and other entities for the purpose of upgrading water storage facilities and other related structures.
- **Community Impact Loan Fund**. This fund provides loans to local governments to alleviate the social, economic, and public financial impacts resulting from the development of the State's natural resources. This fund also provides oversight of loans and loan guarantees from federal funds to small businesses under the Small Business Credit Initiative.

Nonmajor Enterprise Funds – The State's nonmajor enterprise funds include loan programs for low-income housing, agricultural, energy efficiency, and local government; Alcoholic Beverage Control (state liquor stores); Utah Correctional Industries; State Trust Lands Administration; the Utah Dairy Commission; and Medical Cannabis funds.

Internal Service Funds – The State reports the internal service fund type in the proprietary funds statements. The activities accounted for in internal service funds include technology services, general services, fleet operations, risk management, property management, human resource management, and attorney general legal services. In the government-wide financial statements, internal service funds are included with governmental activities.

Fiduciary Fund Financial Statements

The fiduciary funds account for assets held by the State in a trustee capacity, or as an agent for other individuals or organizations. The fiduciary fund financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. The following fiduciary fund types are reported:

Pension and Other Employee Benefit Trust Funds – These funds account for the plan assets, deferred outflows of resources, liabilities, deferred inflows of resources, net position, and changes in net position of: (***1***) defined benefit pension plans and defined contribution plans administered by Utah Retirement Systems; (***2***) the Post-Retirement Benefits Trust Funds, defined benefit other postemployment health care plans administered by the State for state employees and elected officials; and (***3***) Other Employee Benefits Trust Fund used to separately account and report assets dedicated for employee benefits other than postemployment healthcare benefits that are administered through the Post-Retirement Benefits Trust Funds.

Investment Trust Fund – This fund is used to account for the investments related to external participants in the Utah State Public Treasurers' Investment Fund.

Private Purpose Trust Funds – These funds report resources of all other trust arrangements in which principal and income benefit individuals, private organizations, or other governments. Examples include the Utah Navajo Trust Fund, Unclaimed Property Trust, Employers' Reinsurance Trust, Petroleum Storage Tank Trust, and the Utah Educational Savings Plan Trust.

Agency Funds – These funds account for assets held by the State as an agent for other governmental units, other organizations, or individuals. These funds include fines, forfeitures, tax collections, and withholding taxes for employees.

Discrete Component Unit Financial Statements

The combining discrete component unit financial statements are presented in order to provide information on each of the major discrete component units included in the discrete component unit's column of the government-wide statements. The discrete component unit financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. The information is presented in order to be consistent with the government-wide statements and is less detailed than the presentation in each discrete component unit's separately issued financial statements.

D. Fiscal Yearends

All funds and discretely presented component units are reported using fiscal years which end on June 30, except the defined benefit pension plans and defined contribution plans (fiduciary funds) administered by Utah Retirement Systems, and Public Employees Health Program (major discrete component unit), Utah Transit Authority (major discrete component unit), Utah State Fair Corporation (nonmajor discrete component unit), and Utah Dairy Commission (nonmajor enterprise fund), which have fiscal years ending December 31.

E. Assets, Deferred Outflows of Resources, Liabilities, Deferred Inflows of Resources, and Net Position/Fund Balances

Cash and Cash Equivalents and Investments

Cash equivalents are generally considered short-term, highly liquid investments with a maturity of three months or less from the purchase date. The Student Assistance Programs (major enterprise fund) use a trustee for their long-term investing needs, and they consider any cash and cash equivalents held by their trustee as investments.

All cash deposited with the State Treasurer by state entities is maintained by the Treasurer in various pooled investment funds. The State Treasurer invests the deposited cash, including the cash float, in short-term securities and other investments. All interest revenue is allocated to the General Fund unless state law or trust agreements require allocations of interest to other funds. Funds authorized to receive interest earnings are segregated into separate investment pools, and interest is allocated based on cash balances in the pool.

Investments (including cash equivalents) are under the control of the State Treasurer or other administrative bodies as determined by law. In certain instances, investments may be restricted by law or other legal instruments. Investments are presented at fair value. Accordingly, the change in fair value of investments is recognized as an increase or decrease to investment assets and investment income. The fair value measurements of investments is based on the hierarchy established by generally accepted accounting principles. The fair value hierarchy, which has three levels, is based on the valuation inputs used to measure an asset's fair value: Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. Also certain investments that are measured at fair value using the net asset value per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy. The Trust Lands Fund (permanent fund) invests in both open and closed end real estate funds that issue quarterly account statements and the fair value of the investments is based upon the Fund's ownership interest in partners' capital.

The State's Unemployment Compensation Fund (major enterprise fund) monies are required by the Social Security Act to be invested in the U.S. Department of Treasury, Bureau of Public Debt Unemployment Trust Fund (BPDUTF), which is not registered with the SEC. The fair value of the position in the BPDUTF is the same as the value of the BPDUTF shares.

Utah Retirement Systems (pension trust and defined contribution plans) had five types of derivative instruments at yearend: futures, currency forwards, options, swaps, and Synthetic Guaranteed Investment Contracts. Futures contracts are traded on organized exchanges to minimize credit risk. Currency forwards are entered into in order to hedge the exposure to changes in foreign currency exchange rates on foreign currency denominated portfolio holdings. Options give the right, but not the obligation, to buy (call) or sell (put) an asset at a preset price over a specified period. Interest rate swap agreements are entered into in an attempt to manage their exposure to interest rate risk. Interest rate risk represents the exposure to fair value losses arising from the future changes in prevailing market interest rates. Synthetic Guaranteed Investment Contracts are available to members in the Utah Retirement Systems Defined Contribution Plans.

The Student Assistance Program (major enterprise fund) entered into an interest rate exchange (swap) agreement relating to some of its student loan revenue bonds. The Student Assistance Program accounts for the swap agreement as a fair value hedging derivative instrument to create a variable rate cost of funds that will be lower than the variable rate cost achievable in the cash bond market. See Note 3 for additional information about derivative instruments.

Receivables

Accounts receivables in the governmental and business-type activities consist mainly of amounts due from the Federal Government, customers, and others. Receivables from the Federal Government are reasonably assured; accordingly, no allowance for uncollectible accounts has been established.

Notes/mortgages receivables in the governmental and business-type activities are primarily long-term loans for local governments and agricultural development, home mortgages, and individual student loans. The interest rates on the loans vary but are generally lower than market rates and, in some cases, are non-interest-bearing. Student loans in the Student Assistance Programs (business-type activities) are fixed and variable rate federally insured loans. Student loans are insured at 97 to 100 percent of their principal balance depending on the date disbursed.

Receivables for capital lease payments, as reported in the governmental activities, are direct financing capital lease arrangements between State Building Ownership Authority (blended component unit) and certain College and Universities (discrete component units). The capital lease receivable is reported net and represents the sum of the future minimum lease payments to be received, less any executor costs and any unearned interest revenue on the capital lease. Receivables from the discrete component unit are reasonably assured; accordingly, no allowance for uncollectible accounts has been established.

Accrued taxes include receivables for taxpayer-assessed taxes where the underlying exchange has occurred in the period ending June 30, or prior and is presented net of applicable estimated refunds and allowances.

Note 5 provides a disaggregation of governmental and business-type receivables, including a breakout of current/noncurrent balances and established allowances.

Inventories, Prepaid Items, and Other Assets

Proprietary funds' and discrete component units' inventories are valued at the lower of cost or market. Cost evaluation methods include first-in-first-out (FIFO), last-in-first-out (LIFO), average cost, weighted average, weighted moving average, and retail inventory method.

Governmental fund consumable items are recorded as expenditures when purchased except for General Fund state park merchandise inventories and Transportation Fund road material inventories. General Fund state park merchandise inventories held for resale are valued at lower of cost or market and Transportation Fund inventories used in road construction are valued using a weighted average cost.

Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items in both the government-wide and fund financial statements. The cost of prepaid items is recorded as expenditures/expenses when consumed rather than when purchased.

Other Assets, as reported on the Statement of Net Position, governmental activities column, include assets of the Trust Lands Fund (permanent fund) acquired under the *1894 Utah Enabling Act* that are not considered investments. The net pension asset and the net other postemployment benefit asset are also reported as other assets.

Capital Assets

Capital assets, which include land and related assets, buildings, equipment, intangible assets (software), and infrastructure (roads, bridges, drainage systems, lighting systems, and similar items), are reported in the applicable governmental or business-type activities columns, or in the component units column on the government-wide Statement of Net Position. Capital assets of proprietary funds and fiduciary funds are also recorded in their respective fund statements. Capital assets, with the exception of infrastructure and internally generated software (funded with nonfederal resources), are defined by the State as assets, which cost $5 thousand or more when acquired and have an estimated useful life greater than one year. Infrastructure assets are capitalized if the cost is over $1 million. Internally generated software, funded with nonfederal resources, is capitalized if the cost is over $500 thousand. Purchased or constructed capital assets are recorded at cost or at estimated historical cost where historical cost is not available. Donated capital assets are reported at acquisition value as of their acquisition date.

Capital assets purchased by governmental funds are recorded as expenditures in the governmental fund financial statements. Interest expense for capital asset construction related to governmental activities is not capitalized. Interest expense incurred during construction of capital facilities related to business-type activities and discrete component units is immaterial and is not capitalized in all cases.

Buildings, equipment, and other assets are depreciated or amortized using the straight-line method over the following estimated useful lives:

Asset Class	Years
Equipment/Software	3-15
Aircraft and Heavy Equipment	5-30
Buildings and Improvements	30-40
Land Improvements	5-20
Infrastructure	15-80

As provided by GASB standards, the State has elected to use the "modified approach" to account for infrastructure assets (i.e., roads and bridges) maintained by the State's Department of Transportation. This includes infrastructure acquired prior to fiscal year 1981. Under this approach, depreciation expense is not recorded and only improvements that increase the capacity or efficiency of an infrastructure asset are capitalized. Using this approach requires the State to: (***1***) maintain an inventory of the assets and perform periodic condition assessments; (***2***) estimate each year the annual amount to maintain and preserve the assets at the condition level set by the State; and (***3***) document that the assets are being preserved approximately at, or above the condition level set by the State. Other infrastructure, which is primarily maintained by the Department of Natural Resources, is capitalized and depreciated.

Most works of art and historical treasures of the primary government are not capitalized or depreciated. These assets are held for public exhibition, education, or research rather than financial gain. These assets are also protected, unencumbered, preserved, and subject to policies requiring the proceeds from sales of collection items to be used to acquire other collection items. The State's assets of this nature include the State Fine Art Collection, photographs, prints, paintings, historical documents and artifacts, monuments, statues, and paleontological and archaeological collections. See Note 8 for additional information about capital assets.

Deferred Outflows of Resources

Deferred outflow of resources represents a consumption of net position by the government that applies to a future period(s) and so will not be recognized as an outflow of resources (expense/ expenditure) until then. Deferred outflows of resources are reported in the applicable governmental or business-type activities columns, or in the component units column on the government-wide Statement of Net Position. See Note 11 for a disaggregation of deferred outflows. Deferred outflows of resources of governmental funds, proprietary funds, and discrete component units are reported in detail in their respective fund statements.

Accrued Liabilities

Accrued liabilities include the liability for employee payrolls and liabilities accruing over time where demand for payment is due shortly after fiscal yearend. See Note 6 for additional information about accrued liabilities.

Unearned Revenue

In the government-wide statements, governmental fund statements, proprietary fund statements, and fiduciary fund statements, unearned revenue is recorded when cash or other assets are received prior to being earned.

Policy Claims Liabilities

Policy claims liabilities are for insurance claims incurred prior to the reporting date and are based on actuarial estimates; however, policy claims liabilities for Unemployment Insurance are for claims filed as of the reporting date. A substantial portion of policy claims liabilities is long-term in nature. Therefore, claims liabilities are reported as long-term liabilities on the Statement of Net Position. See Note 10 for additional information about policy claims liabilities.

Long-term Debt

Long-term debt, such as the net pension liability (NPL), net OPEB liability (NOL), revenue bonds, claims, contracts and notes payable, directly related to and intended to be paid from proprietary funds or discretely presented component units is included in the accounts of such funds. All other long-term debt, such as the compensated absences, claim or settlement obligations, pollution remediation obligations, general obligation bonds, and lease revenue bonds (and remaining NPL and NOL liabilities not allocated to proprietary funds or discretely presented component units), is reported in the government-wide financial statements. Bond premiums and discounts are amortized over the life of the bonds using the bonds outstanding method or straight-line method, which approximates the effective interest method. Bonds payable are reported net of the applicable bond premium or discount. Bond issuance costs are recognized during the current period.

In the governmental fund financial statements, long-term debt is recognized when due or expected to be financed from current expendable available financial resources. Amortization of bond premiums and discounts, as well as bond issuance costs, are recognized during the current period. The face amount of debt issued is reported as other financing sources. Premiums received on debt issuances are reported as other financing sources, while discounts on debt issuances are reported as other financing uses. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

The *Tax Reform Act of 1986* requires governmental entities issuing tax-exempt bonds to refund to the U.S. Treasury interest earnings on bond proceeds in excess of the yield on those bonds. Governmental entities must comply with arbitrage rebate requirements in order for their bonds to maintain tax-exempt status. Entities are required to remit arbitrage rebate payments for non-purpose interest to the federal government at least once every five years over the life of the bonds. Federal regulations also require the Student Assistance Programs (major enterprise fund) to keep the yield on student loans within a designated percentage of the interest cost of the related tax-exempt borrowing. One method of reducing this yield is to make yield reduction payments to the United States Treasury. Estimated yield reduction payments may be made by the end of the tenth year and every fifth year thereafter during the life of the bonds. Some State of Utah bonds may be exempt from the rebate requirements if they meet certain statutory exceptions per the regulations. At June 30, 2019, there was no liability for yield reduction payments or for non-purpose interest arbitrage rebate in Student Assistance Programs'.

Arbitrage liability is treated as an expense in the government-wide Statement of Net Position and the proprietary fund financial statements when the liability is recognized. Arbitrage liability is recorded as an expenditure in the governmental fund financial statements when the liability is due. Other arbitrage liabilities are immaterial.

Compensated Absences

For most employees vacation leave is accrued at a rate of four hours every two weeks for the first five years of employment, and grows to a rate of seven hours every two weeks after 20 years of employment. There is no requirement to use vacation leave, but a maximum of 320 hours may be carried forward at the beginning of each calendar year. The State established the State Employees' Annual Leave Trust Fund (other employee benefit trust funds) where any unused vacation leave is paid to employees upon termination. The ongoing termination payments from the Trust Fund are provided by charges to agency budgets as benefits are earned. Vacation leave taken as time off is paid from current budgets when used.

Most employees earn sick leave at a rate of four hours for each two-week period, with no limit to the amount that can be accumulated. The State does not reimburse employees for unused sick leave upon termination unless the leave was earned prior to January 4, 2014, and employees had the option under certain circumstances to "convert" sick leave. Employees may use converted sick leave in place of vacation leave. Any unused converted sick is paid to employees upon termination. Sick leave is expended when used.

At retirement, for participating agencies, an employee receives 25 percent of the value of all unused accumulated sick leave, earned prior to January 4, 2014, as a mandatory employer contribution into a 401(k) account. Each day of remaining sick leave earned prior to January 1, 2006, may be used to participate in the State Employee Other Postemployment Benefit Plan (State Employee OPEB Plan), to purchase health and life insurance coverage or Medicare supplemental insurance. See Note 19 for additional information about the State Employee OPEB Plan.

Any remaining sick leave earned on or after January 1, 2006, but before January 4, 2014, is converted to a value (based on the higher of the employee's rate of pay at retirement or the average pay rate of retirees in the previous year) and placed in a Health Reimbursement Arrangement administered by Public Employees Health Plan. Any payouts by the State of converted sick leave upon termination, contributions into a 401(k) account, or Health Reimbursement Arrangement upon retirement, are paid from the

Other Employee Benefits Trust Fund. The ongoing termination payments from the Trust Fund are provided by charges to agency budgets.

Proprietary funds, Utah Schools for the Deaf and the Blind, and private purpose trust funds of the primary government also participate in the compensated absences and have no liability for leave benefits once their contributions have been made. The total liability of the governmental activities for compensated absences is recorded in the government-wide Statement of Net Position as part of long-term liabilities. However, in accordance with GAAP, the liability is not recorded in the governmental fund financial statements. See Note 10 for additional information about the liability.

Compensatory time for overtime worked may be earned up to a maximum of 80 hours. Any overtime exceeding 80 hours is paid when earned. In accordance with GAAP, compensatory time is expended when the leave is taken in governmental funds, but is expensed when earned for budgetary purposes.

Vacation earnings, sick leave earnings, and termination policies vary among discrete component units and from the primary government's policies, but usually vacation leave is expended when earned and sick leave is expended when used.

Pensions

For purposes of measuring the net pension liability and deferred outflows/inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Utah Retirement Systems Pension Plan (URS) and additions to/deductions from URS's fiduciary net position have been determined on the same basis as they are reported by URS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. The primary government's proportionate share of pension amounts were further allocated to proprietary funds (business-type activities) based on the amount of employer contributions paid by each proprietary fund. Pension investments are reported at fair value.

Postemployment Benefits Other than Pensions (OPEB)

For purposes of measuring the net OPEB liability, deferred outflows/inflows of resources and expenses, information about the fiduciary net positions of the State Employee Other Postemployment Benefit Plan and the Elected Official OPEB Plan (Plans) and additions to/deductions from the Plans' fiduciary net positions have been determined on the same basis as they are reported by the Plans. For this purpose, the Plans recognize benefit payments when due and payable in accordance with the benefit terms. The Plans' proportionate share of OPEB amounts were further allocated to proprietary funds (business-type activities) based on the amount of employer contributions paid by each proprietary fund. OPEB investments for the Plans are reported at fair value.

Deferred Inflows of Resources

Deferred inflows of resources represent an acquisition of net position that applies to a future period, and so will not be recognized as an inflow of resources (revenue) until that time. Deferred inflows of resources are reported in the applicable governmental or business-type activities columns or in the component units column on the government-wide Statement of Net Position. See Note 11 for a disaggregation of deferred inflows. Deferred inflows of resources of governmental funds, proprietary funds, and discrete component units are reported in detail in their respective fund statements.

Net Position/Fund Balances

The difference between assets, deferred outflows of resources, liabilities, and deferred inflows of resources is "Net Position" on the government-wide, proprietary fund, and fiduciary fund financial statements and "Fund Balance" on the governmental fund financial statements.

In the governmental fund financial statements, fund balances are classified as nonspendable, restricted, or unrestricted (committed, assigned, or unassigned). Restricted balances represent those portions of fund balance where constraints placed on the resources are either externally imposed or imposed by law through constitutional provisions or enabling legislation. Committed fund balance represents amounts that can only be used for specific purposes pursuant to constraints imposed by formal action of the Legislature, such as dedicated revenues or legislation. Assigned fund balance is constrained by the Legislature's intent to be used for specific purposes, by directive of the Executive Appropriations Committee of the Legislature or in some cases by legislation. See Note 12 for additional information about fund balances.

The State maintains three stabilization accounts: (***1***) the General Fund Budget Reserve Account in the General Fund (the "Rainy Day Fund") reported as committed fund balance; (***2***) the Medicaid Growth Reduction and Budget Stabilization Restricted Account in the General Fund ("the Medicaid Budget Stabilization Account") reported as committed fund balance; and (***3***) the Education Budget Reserve Account in the Education Fund (the "Education Reserve") reported as restricted fund balance. The resources of these accounts may only be expended when specific non-routine budget shortfalls occur and upon appropriation by the Legislature.

Statutorily, the State established a minimum fund balance policy for the Disaster Recovery Restricted Account and the Local Government Emergency Response Loan Fund. Both these funds may issue loans for specific emergencies as long as a minimum fund balance is maintained in the funds. See Note 12 for additional information about the stabilization accounts and funds with a statutory minimum fund balance requirement.

F. Restricted and Unrestricted Resources

When an expenditure/expense is incurred for purposes for which both restricted and unrestricted resources are available, it is the State's general policy to use restricted resources first. When expenditures/expenses are incurred for purposes for which unrestricted (committed, assigned, and unassigned) resources are available, and amounts in any of these unrestricted classifications could be used, it is the State's general policy to spend committed resources first. However, the State has some programs that are funded by appropriations from both unrestricted resources and resources required by law to be deposited in a specific subfund for a specific purpose (which may include restricted resources and unrestricted-committed resources). In those instances, it is the State's policy to expend those resources proportionally based on the amounts appropriated from each source.

Grants

Federal grants and assistance awards made on the basis of entitlement periods are recorded as revenues when entitlement occurs. All federal reimbursement-type grants are recorded as revenues when the related allowable expenditures are incurred and all applicable eligibility requirements are met.

Federal grants include nonmonetary transactions for food and vaccine commodities. Commodity revenues and expenditures are valued at their federally reported value. Commodity inventories at yearend are immaterial. For the fiscal year ended June 30, 2019, the State reported revenues and expenditures of $26.108 million for commodities in the General Fund, and $17.116 million for commodities in the Education Fund (special revenue fund).

Investment Income

Investment income includes interest, dividends and other earnings, and the change in fair value of investments. Negative investment income is reported where the decrease in the fair value of investments due to market conditions exceeded the other components of investment income.

In accordance with state law, interest and dividend income from the State Endowment Fund (nonmajor governmental fund) is assigned to and reported directly in the General Fund. A portion of the applicable income reported in the General Fund is then transferred into the State Endowment Fund to increase the principal in the fund as required by state law. The State Endowment Fund generated $5.942 million of cash investment earnings, of which $3.753 million was reported in the General Fund and $2.189 million was reported in the State Endowment Fund.

G. Interfund Transactions

Government-wide Financial Statements

Interfund Activity – In general, eliminations have been made to minimize the double counting of internal activity, including internal service fund type activity. However, interfund services, provided and used between different functional categories, have not been eliminated in order to avoid distorting the direct costs and program revenues of the applicable functions. Transfers between governmental and business-type activities are reported at the net amount.

Interfund Balances – Interfund receivables and payables have been eliminated from the government-wide Statement of Net Position, except for the residual amounts due between governmental and business-type activities.

Governmental Fund Financial Statements

Interfund Activity – Interfund transactions for goods sold or services rendered for a price approximating their external exchange value, and employee benefit contributions are accounted for as revenues and expenditures/expenses in the funds involved.

Transfers are used to report flows of cash (or other assets) between funds without equivalent flows of assets in return or a requirement for repayment. The State's transfers are based on legislative appropriations or other legal authority. Transfers are presented in Note 14.

NOTE 2. BEGINNING NET POSITION ADJUSTMENTS AND OTHER CHANGES

For the fiscal year ended June 30, 2019, the State implemented the following new accounting standards issued by the Governmental Accounting Standards Board (GASB):

GASB Statement 83, Certain Asset Retirement Obligations.

GASB Statement 88, Certain Disclosures Related to Debt, Including Direct Borrowings and Direct Placements.

GASB Statement 83 – This Statement addresses accounting and financial reporting for certain asset retirement obligations. For the purposes of this statement, an asset retirement obligation is a legally enforceable liability associated with the future sale, abandonment recycling, or disposal of a tangible capital asset. This Statement requires the recognition of a liability and a corresponding deferred outflows of resources when the obligation is both incurred and reasonably estimable. The measurement of the liability is based on the best estimate of the current value of outlays expected to be incurred to retire the asset. Neither the primary government nor its discrete component units had any significant asset retirement obligations in fiscal year 2019.

GASB Statement 88 – This Statement defines debt for purposes of disclosure in notes to financial statements and clarifies which liabilities governments should include when disclosing information related to debt, including direct borrowings and direct placements. This Statement also requires a more comprehensive footnote disclosure related to debt, including that existing and additional information be provided separately for direct borrowings and direct placements of debt. Changes were made to debt disclosures presented in Note 9 and 10.A to reflect the new requirements of this Statement.

During the 2018 General Session the Legislature passed Senate Bill 136, modifying the governance structure of the Utah Transit Authority (UTA), creating a governing board appointed by the Governor. Members of the board serve at the will of the Governor. UTA was incorporated in 1970 as a Utah Public Transit District and is legally separate from the State of Utah. With the change in governance, and in accordance with GASB standards, since the State can impose its will on UTA through the organization of the governing board, UTA is now included as part of the reporting entity of the State of Utah as a major discrete component unit. This resulted in an increase of component unit net position restricted for transit services of $993.677 million reflected in the government-wide Statement of Activities – Component Units.

During fiscal year 2019, it was discovered that land improvements associated with land sold in previous years from the Trust Lands Permanent Fund had not been removed from the State's financial records. As a result, the beginning fund balance of the Permanent Fund was reduced by $15.469 million to reflect the sales of the land improvements as reflected in the Balance Sheet – Governmental Funds.

The Office of the Attorney General, included as part of the General Fund, began in fiscal year 2019 recording a portion of payroll costs and charges for its services in the the Attorney General Legal Services Fund, an Internal Service Fund established during the 2016 General Session. As a result, the Internal Service Fund was allocated a proportionate share of the State's Net Pension and OPEB liabilities in accordance with GASB Statements 68 and 75. This resulted in a reduction of the fund's beginning net position of $11.046 million as reflected on the Statement of Revenues, Expenses, and Changes in Fund Net Position – Proprietary Funds.

For the year ended June 30, 2019, the University of Utah (major component unit) made adjustments which decreased beginning net position on the Combining Statement of Activities – University of Utah by a combined $65.700 million. Certain construction projects totaling $46.200 million were determined to be non-capital and removed from construction-in-progress. Additionally, a $19.500 million pledge receivable from the prior fiscal year was removed due to contingencies identified in the pledge agreement.

Other Adjustments and Changes

During calendar year 2018, the Utah Transit Authority (major component unit) evaluated its capital assets and the associated accumulated depreciation of those assets which resulted in changes to the useful lives of all categories of assets. The new useful lives reflect the changing understanding of how long a transit asset is lasting after a decade of running service in the northern Utah environment. This change in accounting estimate resulted in a decrease in current year depreciation of $68.876 million and a decrease of accumulated depreciation of $57.256 million.

NOTE 3. DEPOSITS AND INVESTMENTS

Deposits and investments for the primary government and its discrete component units are governed by the Utah Money Management Act (Title 51, Chapter 7 of the *Utah Code*) and rules of the State Money Management Council. However, the Act also exempts certain funds that have a long time horizon to make investments of a long-term nature, such as equities and bond mutual funds. In the primary government these are the Trust Lands (permanent fund), State Endowment (nonmajor special revenue fund), Utah Navajo Trust (private purpose trust), Employers' Reinsurance Trust (private purpose trust), Utah Educational Savings Plan Trust (private purpose trust), Pension Trust Funds (fiduciary funds), Post-Retirement Benefits Trust Funds (fiduciary funds), and Other Employee Benefits Trust Funds (fiduciary funds). The discrete component units exempt from the Act are Public Employees Health Program and the Colleges' and Universities' endowment funds.

A. Primary Government

Custodial Credit Risk – Deposits

The custodial credit risk for deposits is the risk that in the event of a bank failure, the State's deposits may not be recovered. The Money Management Act (Act) requires that deposits be in a qualified depository. The Act defines a qualified depository as any financial institution whose deposits are insured by an agency of the federal government and that has been certified by the State Commissioner of Financial Institutions as having met the requirements of the Act and adhering to the rules of the State Money Management Council.

Deposits with qualified depository institutions in excess of Federal Deposit Insurance Corporation (FDIC) insurance limits are uninsured and uncollateralized. Deposits are neither collateralized nor are they required to be by State statute. The deposits for the primary government at June 30, 2019, including those of Utah Retirement Systems (URS) (pension trust and defined contribution plans) and Trust Lands (permanent fund), were $1.679 billion. These deposits are exposed to custodial credit risk as follows:

- $150.286 million were exposed to custodial credit risk as uninsured and uncollateralized.
- Exposure to custodial credit risk cannot be determined for $1.515 billion of the primary government deposits, which are in FDIC-insured accounts that are held in trust by Utah Educational Savings Plan Trust (private purpose trust fund) at two banks. Funds in the FDIC-insured accounts are insured on a pass-through basis to each account owner at each bank up to $250 thousand. The amount of FDIC insurance provided to an account owner is based on the total of (***1***) the value of an account owner's investment in the FDIC-insured account at each bank plus, (***2***) the value of other accounts held (if any) at each bank, as determined by the banks and by FDIC regulations. It is the account owner's responsibility to determine how investments in the FDIC-insured accounts would be aggregated with other investments at the banks for purposes of FDIC insurance coverage.

Investments

The Money Management Act defines the types of securities authorized as appropriate investments and the conditions for making investment transactions. Public treasurers conduct investment transactions through qualified depositories, certified dealers, or directly with issuers of the investment securities. The Utah State Treasurer is exempt from the requirement to conduct investment transactions through a certified dealer.

The Act authorizes investments in negotiable or nonnegotiable deposits of qualified depositories and permitted depositories; repurchase and reverse repurchase agreements; commercial paper that is classified as "first tier" by two nationally recognized statistical rating organizations; bankers' acceptances; obligations of the United States Treasury including bills, notes, and bonds; obligations, other than mortgage derivative instruments, issued by U.S. government-sponsored enterprises (U.S. Agencies), such as the Federal Home Loan Bank System, Federal Home Loan Mortgage Corporation (Freddie Mac), and Federal National Mortgage Association (Fannie Mae); bonds, notes, and other evidence of indebtedness of political subdivisions of the State; fixed-rate corporate obligations and variable rate securities rated "A" or higher, or the equivalent of "A" or higher, by two nationally recognized statistical rating organizations; shares or certificates in a money market mutual fund as defined in the Money Management Act; the Utah Public Treasurers' Investment Fund; negotiable brokered certificates of deposit and reciprocal deposits subject to rules of the State Money Management Council.

The Utah Educational Savings Plan Trust (private purpose trust) is permitted to invest in the Utah Public Treasurers' Investment Fund; mutual funds, securities, or other investments registered with the United States Securities and Exchange Commission; federally insured depository institutions; stable value products, including guaranteed investment contracts, guaranteed interest contracts, and guaranteed insurance contracts; and any investments that are determined by the board of directors of the Utah Educational Savings Plan to be appropriate and that would be authorized under the provisions of the Money Management Act or Rule 2 of the State Money Management Council.

The Pension Trust Funds (fiduciary funds) administered by Utah Retirement Systems are governed by a seven-member Utah State Retirement Board (Board). The Board has statutory authority to pool pension assets in the Utah Retirement Investment Fund (Fund). Statutes also establish that this Fund will be invested in accordance with the "prudent person rule."

The Trust Lands Fund (permanent fund) is governed by a five-member School and Institutional Trust Fund Board of Trustees (Board). The Board has statutory authority to establish policies and investment philosophy for the management of the permanent fund assets consistent with the enabling act, the Utah Constitution, and other applicable state law. These are to optimize returns and increase the value of the permanent fund following the "prudent person rule."

The following funds are exempt from the Money Management Act where the State Treasurer is responsible for investing with the primary goal of providing for the stability, income, and growth of principal following the "prudent person rule": State Endowment Fund (nonmajor special revenue fund), Post-Retirement Benefits Trust Funds and Other Employee Benefits Trust Funds (fiduciary funds), and Utah Navajo Trust and Employers' Reinsurance Trust (private purpose trust funds).

The primary government's investments at June 30, 2019, are presented below except those of the Pension Trust Funds administered by Utah Retirement Systems (URS) (fiduciary funds) and the Trust Lands Fund (permanent fund). The investments are presented at fair value and by investment type with debt securities presented by maturity.

Note 3.B. presents the investments of the Pension Trust Funds (fiduciary funds) administered by Utah Retirement Systems (URS) . URS investments are presented consistent with their separately issued financial statements by investment type.

Note 3.C. presents the investments of the Trust Lands Fund (permanent fund). Trust Lands investments are presented consistent with their separately issued financial statements by investment type.

Fair Value Measurements

The State categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. These guidelines recognize a three-tiered fair value hierarchy as follows:

- Level 1: Inputs are quoted prices for identical investments in active markets.
- Level 2: Observable inputs other than quoted market prices.
- Level 3: Unobservable inputs.

The following table presents the recurring fair value measurements at June 30, 2019, for the primary government, with the exception of URS and Trust Lands.

Primary Government
Investments and Derivative Instruments Measured at Fair Value
(except Utah Retirement Systems and Trust Lands)
At June 30, 2019
(expressed in thousands)

Investment Type	Fair Value	Fair Value Measurements Using Level 1	Level 2	Level 3
Investments by Fair Value Level				
Debt Securities				
U.S. Agencies	$ 823	$ 823	$ —	$ —
Corporate Debt	15,028,926	—	15,028,926	—
Money Market Mutual Funds	533,529	533,529	—	—
Commercial Paper	391,740	—	391,740	—
Bond Mutual Funds	3,472,616	3,472,616	—	—
Stable Value Funds	693,883	693,883	—	—
Total Debt Securities	20,121,517	4,700,851	15,420,666	0
Equity Securities				
Domestic Equity	7,114,343	7,114,343	—	—
International Equity	2,093,895	2,093,895	—	—
Equity Securities	174	174	—	—
Total Equity Securities	9,208,412	9,208,412	0	0
Total Investments by Fair Value Level	29,329,929	$ 13,909,263	$ 15,420,666	$ 0
Investments Measured at the Net Asset Value (NAV)				
Private Real Estate	14,866			
Total Investments Measured at Fair Value	$ 29,344,795			
Investment Derivative Instruments				
Interest Rate Exchange (swap)	$ 10,293	$ 0	$ 0	$ 10,293

Debt and equity securities classified in Level 1 are valued using prices quoted in active markets for those securities. Other debt securities classified in Level 2 are valued using the following approaches:

- Corporate Bonds and Notes are valued using quoted prices for identical securities in markets that are not active.
- Commercial Paper are valued using quoted prices for identical or similar securities in markets that are not active.

Mutual funds classified in Level 1 are valued using prices provided by the fund company.

The Student Loan Purchase Program (major enterprise fund – student assistance programs) has an interest rate exchange (swap) investment derivative instrument. This investment fair value classification is Level 3. The fair value was calculated using information obtained from generally recognized sources with respect to quotations, reporting of specific transactions and market conditions and based on accepted industry standards and methodologies.

Investments Measured at the Net Asset Value (NAV)

The State Endowment (nonmajor governmental fund) and Post-Retirement Benefits Trust (fiduciary funds-pension and other employee benefit trust funds) have an investment in an open-end real estate fund measured at the NAV, with fair values of $7.394 million and $7.473 million, respectively. The fair values of the investments have been determined using the NAV per share (or its equivalent) of the fund's ownership interest in partners' capital.

The real estate fund is structured as a limited partnership and invests in commercial real estate located in the United States. The fund invests in income producing properties as well as properties that are near core properties with short-term challenges with the intent to sell to the properties to core funds when the challenges have been addressed. The State Endowment and Post-Retirement Benefits Trust original combined capital commitment of $15 million was fulfilled during fiscal year 2019. The fund allows for quarterly redemptions with 90 days' notice subject to the discretion of the general partner based upon the funds liquidity position and other factors. If redemption requests are greater than available cash, the redemptions are fulfilled on a pro rata basis each quarter, until all redemption requests have been fulfilled.

Interest Rate Risk

The following table presents the debt investments and maturities at June 30, 2019, for the primary government, with the exception of URS and Trust Lands.

Primary Government
(except Utah Retirement Systems and Trust Lands)
Debt Investments at Fair Value
At June 30, 2019
(expressed in thousands)

Investment Type	Fair Value	Investment Maturities (in years) Less Than 1	1-5	6-10	More Than 10
Debt Securities					
U.S. Agencies	$ 823	$ —	$ 823	$ —	$ —
Corporate Debt	15,028,926	15,028,926	—	—	—
Money Market Mutual Funds	533,529	533,529	—	—	—
Commercial Paper	391,740	391,740	—	—	—
Bond Mutual Funds	3,472,616	61,471	—	3,325,997	85,148
Stable Value Funds	693,883	693,883	—	—	—
Total	20,121,517	$ 16,709,549	$ 823	$ 3,325,997	$ 85,148
Discrete Component Units Investment in Primary Government's Investment Pool	(804,894)				
Total Debt Investments	$ 19,316,623				

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment.

The primary government's policy for managing interest rate risk, with the exception of URS and Trust Lands, is to comply with the Money Management Act. Section 51-7-11 of the Act requires that the remaining term to maturity of investments may not exceed the period of availability of the funds to be invested. The Act further limits the remaining term to maturity on all investments in commercial paper, bankers' acceptances, fixed-rate negotiable deposits, and fixed-rate corporate obligations to 270 days – 15 months or less. The Act further limits the remaining term to maturity on all investments in obligations of the United States Treasury; obligations issued by U.S. government-sponsored enterprises; and bonds, notes, and other evidence of indebtedness of political subdivisions of the State to five years. In addition, variable rate negotiable deposits and variable rate securities may not have a remaining term to final maturity exceeding three years.

The majority of the primary government's corporate debt securities are variable-rate securities, which adjust periodically to the prevailing market interest rates. Because these securities frequently reprice, interest rate risk is substantially reduced at each periodic reset date. In the table above, variable-rate securities are presented according to the length of time until the next reset date rather than the stated maturity.

In addition, significant funds with a long-term investment perspective have the following mix of investments (percentages are of the fund's total investments):

- **Utah Educational Savings Plan Trust (private purpose trust)** – $6.948 billion, 54.65 percent, in domestic equity mutual fund securities; $2.931 billion, 23.06 percent, in bond mutual funds; $2.065 billion, 16.24 percent, in international equity mutual fund securities; $693.883 million, 5.46 percent, in stable value funds; and $74.681 million, 0.59 percent, in the Utah Public Treasurers' Investment Fund.
- **Post-Retirement Benefits Trust Funds (fiduciary funds), and Other Employee Benefits Trust Funds (fiduciary funds)** – $253.138 million, 76.29 percent, in bond mutual funds; $4.627 million, 1.39 percent, in domestic equity mutual fund securities; $4.021 million, 1.21 percent, in international equity mutual fund securities; $7.473 million, 2.25 percent, in private real estate; and $62.605 million, 18.86 percent, in the Utah Public Treasurers' Investment Fund.
- **State Endowment Fund (special revenue fund)** – $110.684 million, 47.01 percent, in bond mutual funds; $91.609 million, 38.91 percent, in domestic equity mutual fund securities; $16.517 million, 7.02 percent, in international equity mutual fund securities; $7.393 million, 3.14 percent, in private real estate; and $9.230 million, 3.92 percent, in the Utah Public Treasurers' Investment Fund.
- **Student Assistance Programs (major enterprise fund)** – $56.939 million, 31.04 percent, in domestic equity mutual fund securities; $125.658 million, 68.51 percent, in the Utah Public Treasurers' Investment Fund; and $823 thousand, 0.45 percent, in the U.S. Government agency securities.
- **Employers' Reinsurance Trust (private purpose trust)** – $149.872 million, 74.01 percent, in bond mutual funds; $7.845 million, 3.87 percent, in domestic equity mutual fund securities; $5.083 million, 2.51 percent, in international equity mutual fund securities; and $39.713 million, 19.61 percent, in the Utah Public Treasurers' Investment Fund.

Credit Risk of Debt Securities

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The primary government, with the exception of URS and Trust Lands, follows the Money Management Act as previously discussed as its policy for reducing exposure to investment credit risk.

The primary government's rated debt investments as of June 30, 2019, with the exception of URS and Trust Lands, were rated by Standard and Poor's and/or an equivalent nationally recognized statistical rating organization and the ratings are presented below using the Standard and Poor's rating scale. Securities rated less than "A" met the investment criteria at the time of purchase.

Primary Government
(except Utah Retirement Systems and Trust Lands)
Debt Investments Quality Ratings
At June 30, 2019
(expressed in thousands)

		Quality Ratings						
Debt Investments	**Fair Value**	**AAA**	**AA**	**A**	**BBB**	**BB**	**A1***	**Not Rated**
U.S. Agencies	$ 823	$ 823	$ —	$ —	$ —	$ —	$ —	$ —
Corporate Debt	15,028,926	—	2,114,707	10,652,977	2,231,285	29,957	—	—
Money Market Mutual Funds	533,529	—	—	—	—	—	—	533,529
Commercial Paper	391,740	—	—	—	—	—	391,740	—
Bond Mutual Funds	3,472,616	—	—	—	—	—	—	3,472,616
Stable Value Funds	693,883	—	—	—	—	—	—	693,883
	$ 20,121,517	$ 823	$ 2,114,707	$ 10,652,977	$ 2,231,285	$ 29,957	$ 391,740	$ 4,700,028

*A1 is Commercial Paper rating

Custodial Credit Risk

Custodial credit risk for investments is the risk that, in the event of a failure of the counter party, the State will not be able to recover the value of the investment or collateral securities that are in the possession of an outside party. The primary government does not have a formal policy for custodial credit risk.

The primary government's investments at June 30, 2019, with the exception of URS and Trust Lands, were held by the State or in the State's name by the State's custodial banks.

Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer.

Except for URS and Trust Lands, the primary government's policy for reducing this risk of loss is to comply with the Rules of the State Money Management Council. Rule 17 of the State Money Management Council limits investments in a single issuer of commercial paper and corporate obligations to between 5 and 10 percent depending upon the total dollar amount held in the portfolio. Such limitations do not apply to securities issued by the U.S. government and its agencies. The primary government had no debt securities investments at June 30, 2019, with more than 5 percent of the total investments in a single issuer.

Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. The primary government, with the exception of URS and Trust Lands, does not have a formal policy to limit foreign currency risk. The following funds have investments in international equity funds, and as such, no foreign currency risk is presented: Utah Educational Savings Plan Trust (private purpose trust) $2.065 billion, Post-Retirement Benefits Trust Funds (fiduciary funds), and Other Employee Benefits Trust Funds (fiduciary funds) $4.021 million, State Endowment Fund (special revenue fund) $16.517 million, Employers' Reinsurance Trust (private purpose trust) $5.083 million, Utah Navajo Trust (private purpose trust fund) $2.253 million, and General Fund $906 thousand.

B. Primary Government – Utah Retirement Systems

Investments

The Utah Retirement Systems' and Plans' (URS) (pension trust and defined contribution plans) investments by type are presented below.

Utah Retirement Systems
(pension trust and defined contribution plans)
Investments at Fair Value
At December 31, 2018
(expressed in thousands)

Investment Type	Defined Benefit	Defined Contribution	Total All Systems and Plans
Short-term Securities Pools	$ 1,590,727	$ —	$ 1,590,727
Debt Securities	4,925,751	1,994,543	6,920,294
Equity Securities	10,400,703	3,304,974	13,705,677
Absolute Return	4,598,396	—	4,598,396
Private Equity	3,661,356	—	3,661,356
Real Assets	5,206,229	231,384	5,437,613
Investments Held by Broker-dealers under Securities Lending Program:			
Equity Securities	605,947	—	605,947
Debt Securities	387,281	—	387,281
Total	31,376,390	5,530,901	36,907,291
Securities Lending Collateral Pool	1,058,056	—	1,058,056
Total Investments	$ 32,434,446	$ 5,530,901	$ 37,965,347

URS values these investments in good faith at URS's pro-rata interest in the net assets of these investments based upon audited financial statements or other information provided to URS by the underlying investment managers. The estimated fair value of these investments may differ significantly from values that would have been used had a ready market existed.

Fair Value Measurements

URS categorizes the fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset and give the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements).

- Level 1: Unadjusted quoted prices for identical instruments in active markets.
- Level 2: Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs are observable.
- Level 3: Valuations derived from valuation techniques in which significant inputs are unobservable.

Investments that are measured at fair value using the net asset value per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy.

In instances where inputs used to measure fair value fall into different levels in the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. URS's assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset or liability. The following table shows the fair value leveling of the investments for URS.

Debt, equity, and derivative instruments classified in Level 1 are valued using prices quoted in active markets for those securities. Debt and debt derivative instruments classified in Level 2 and Level3 are valued using either a bid evaluation or a matrix pricing technique. Bid evaluations may include market quotations, yields, maturities, call features and ratings. Matrix pricing is used to value securities based on the securities relationship to benchmark quoted prices. Index-linked debt securities are valued by multiplying the external market price feed by the applicable day's Index Ratio. Level 2 debt securities have non-proprietary information that was readily available to market participants, from multiple independent sources which are known to be actively involved in the market. Level 3 debt securities use proprietary information or single source pricing. Equity and equity derivative instruments classified in Level 2 are securities whose values are derived daily from associated traded securities. Equity securities classified in Level 3 are valued with last trade data having limited trading volume.

Real assets classified in Level 1 are valued using prices quoted in active markets for those securities. Real assets classified in Level 3 are real estate investment generally valued using the income approach by internal manager reviews or independent external appraisers. URS's policy is to obtain an external appraisal a minimum of every three years for properties or portfolios that URS has some degree of control or discretion. In practice, some investments are appraised annually. Appraisals are performed by an independent appraiser with preference for Member Appraisal Institute (MAI) designated appraisers. The appraisals are performed using generally accepted valuation approaches applicable to the property type.

Utah Retirement Systems
(pension trust and defined contribution plans)
Investments and Derivative Instruments Measured at Fair Value
At December 31, 2018
(expressed in thousands)

	Defined Benefit				Defined Contribution			
		Fair Value Measures Using				Fair Value Measures Using		
Investment Type	**Fair Value**	Quoted Prices in Active Markets for Identical Assets **Level 1**	Significant Other Observable Inputs **Level 2**	Significant Unobservable Inputs **Level 3**	**Fair Value**	Quoted Prices in Active Markets for Identical Assets **Level 1**	Significant Other Observable Inputs **Level 2**	Significant Unobservable Inputs **Level 3**
Investments by Fair Value Level								
Short-term Securities	$ 1,242,660	$ 66,763	$ 1,175,897	$ —	$ —	$ —	$ —	$ —
Debt Securities								
Asset-backed Securities	264,390	—	204,696	59,694	59,674	—	36,528	23,146
Commercial Mortgage-backed	108,506	—	86,915	21,591	698	—	308	390
Corporate Bonds	1,396,850	—	1,395,729	1,121	289,947	—	289,517	430
Funds – Other Fixed Income	—	—	—	—	98,580	—	98,580	—
Government Agencies	95,456	—	95,456	—	31,854	—	31,854	—
Government Bonds	1,043,102	—	1,043,102	—	172,613	—	172,613	—
Government Mortgage-backed Securities	924,939	—	837,841	87,098	249,149	—	223,891	25,258
Index-linked Government Bonds	1,413,408	—	1,413,408	—	142,185	—	142,185	—
Non-government Backed C.M.O.s	77,202	—	61,721	15,481	187	—	187	—
Total Debt Securities	5,323,853	0	5,138,868	184,985	1,044,887	0	995,663	49,224
Equity Investments								
Consumer Goods	1,969,686	1,969,602	—	84	317,317	317,317	—	—
Energy	628,872	624,552	4,164	156	61,265	61,265	—	—
Equity Other	8,478	8,270	2	206	223,130	223,130	—	—
Financials	1,606,241	1,572,422	27,147	6,672	157,815	157,815	—	—
Health Care	1,178,456	1,178,391	—	65	240,105	240,105	—	—
Industrials	1,272,409	1,272,284	—	125	126,061	126,061	—	—
Information Technology	1,371,576	1,371,498	—	78	377,683	377,683	—	—
Materials	547,738	546,103	4	1,631	35,833	35,833	—	—
Real Estate Investment Trusts	402,993	402,966	—	27	89,744	89,744	—	—
Telecommunication Services	736,082	736,062	—	20	186,210	186,210	—	—
Utilities	275,742	275,742	—	—	32,374	32,374	—	—
Total Equity Investments	9,998,273	9,957,892	31,317	9,064	1,847,537	1,847,537	0	0

Utah Retirement Systems
(pension trust and defined contribution plans)
Investments and Derivative Instruments Measured at Fair Value (continued)

	Defined Benefit				Defined Contribution			
		Fair Value Measures Using				Fair Value Measures Using		
Investment Type	**Fair Value**	Quoted Prices in Active Markets for Identical Assets **Level 1**	Significant Other Observable Inputs **Level 2**	Significant Unobservable Inputs **Level 3**	**Fair Value**	Quoted Prices in Active Markets for Identical Assets **Level 1**	Significant Other Observable Inputs **Level 2**	Significant Unobservable Inputs **Level 3**
Real Assets								
Agriculture	163,191	—	—	163,191	—	—	—	—
Commodities	40,253	40,253	—	—	—	—	—	—
Real Estate	1,998,259	—	—	1,998,259	—	—	—	—
Total Real Assets	2,201,703	40,253	0	2,161,450	0	0	0	0
Total Investments by Fair Value Level	$ 18,766,489	$10,064,908	$ 6,346,082	$ 2,355,499	$ 2,892,424	$ 1,847,537	$ 995,663	$ 49,224
Investments Measured at the Net Asset Value (NAV)								
Short-Term Securities	$ 347,503				$ —			
Equity Investments								
Co-mingled International Equity Fund	715,813				569,326			
Co-mingled U.S. Small Cap Equity Fund	288,086				373,364			
Co-mingled Large Cap Equity Fund	—				503,251			
Co-mingled Russell 1000 Growth Equity Fund	—				11,496			
Total Equity Investments Measured at the NAV	1,003,899				1,457,437			
Absolute Return								
Directional	1,217,950				—			
Equity Long/Short	196,330				—			
Event Driven	997,085				—			
Multistrategy	826,387				—			
Relative Value	1,360,644				—			
Total Absolute Return Measured at the NAV	4,598,396				0			
Private Equity – Private Equity Partnerships	3,661,356				0			
Real Assets								
Co-mingled Commodities Fund	—				65,605			
Co-mingled Real Estate Fund	—				165,779			
Agriculture	35,697				—			
Energy	1,222,968				—			
Minerals	328,632				—			
Investments Measured at the Net Asset Value (NAV) *(continued)*								
Real Assets *(continued)*								
Real Estate	1,118,897				—			
Royalty	11,683				—			
Timber	293,133				—			
Total Real Assets Measured at the NAV	3,011,010				231,384			
Total Investments Measured at the NAV	12,622,164				1,688,821			
Total Investments Measured at Fair Value	$ 31,388,653				$ 4,581,245			
Synthetic Guaranteed Investments Contracts Measured at Contract Value	$ —				$ 950,049			
Investment Derivative Instruments								
Short-term Securities – Options	$ 564	$ 564	$ —	$ —	$ —	$ —	$ —	$ —
Debt Securities								
Options	(125)	—	(125)	—	(13)	—	(13)	—
Swaptions	(3,378)	—	(3,378)	—	(47)	—	(47)	—
Swap Liabilities	(17,480)	—	(17,480)	—	(733)	—	(733)	—
Swap Assets	10,162	—	10,162	—	400	—	400	—
Total Debt Security Derivative Instruments	(10,821)	—	(10,821)	—	(393)	—	(393)	—
Equity Investments – Options	4,478	4,478	—	—	—	—	—	—
Real Assets – Swap Liabilities	(6,484)	—	(6,484)	—	—	—	—	—
Total Investment Derivative Instruments	$ (12,263)	$ 5,042	$ (17,305)	$ 0	$ (393)	$ 0	$ (393)	$ 0
Invested Securities Lending Collateral								
Short-Term Securities	$ 179,260	$ 179,260	$ —	$ —	$ —	$ —	$ —	$ —
Debt Securities	159,470	53,425	11,021	95,024	—	—	—	—
Equity Investments	719,326	719,326	—	—	—	—	—	—
Total Invested Securities Lending Collateral	$ 1,058,056	$ 952,011	$ 11,021	$ 95,024	$ 0	$ 0	$ 0	$ 0

Investments Measured at the Net Asset Value (NAV)

The following table presents the unfunded commitments, redemption frequency (if currently eligible), and the redemption notice period for the alternative investments measure at NAV.

Utah Retirement Systems
(pension trust and defined contribution plans)
Investments Measured at the Net Asset Value (NAV) — Defined Benefit
At December 31, 2018
(expressed in thousands)

Investment Type	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Short-term Securities – Beta/Overlays	$ 347,503	$ —	Daily	None
Equity Investments				
Co-mingled International Equity Fund	715,813	—	Daily	None
Co-mingled U.S. Small Cap Equity Fund	288,086	—	Daily	None
Total Equity Investments	1,003,899	0		
Absolute Return				
Directional	1,217,950	16,192	Monthly, quarterly	30–60 days
Equity Long/Short	196,330	—	Monthly, quarterly, annually	30–60 days
Event Driven	997,085	14,400	Monthly, quarterly, semi-annually, annually, bi-annually	45–120 days
Multistrategy	826,387	—	Monthly, quarterly, semi-annually, annually	45–90 days
Relative Value	1,360,644	—	Weekly, monthly, quarterly,semi-annually, annually	30–90 days, N/A
Total Absolute Return	4,598,396	30,592		
Private Equity – Partnerships	3,661,356	1,722,618	Not eligible	N/A
Real Assets				
Agriculture	35,697	36,658	Not eligible	N/A
Energy	1,222,968	547,214	Not eligible	N/A
Minerals	328,632	161,367	Not eligible	N/A
Real Estate *	1,118,897	73,998	Not eligible	N/A
Royalty	11,683	203,300	Not eligible	N/A
Timber *	293,133	—	Not eligible	N/A
Total Real Assets	3,011,010	1,022,537		
Total Investments Measured at the NAV	$ 12,622,164	$ 2,775,747		

*See redemption descriptions for these investments under Real Estate and Timber Funds.

The valuation method for investments measured at the NAV per share (or its equivalent) is presented on the table above and on the table below. Synthetic guaranteed investment contracts that are fully benefit-responsive are measured at contract value and do not participate in fair value changes.

Defined Benefit

- **Short-term Beta/Overlays** – This type consists of one pooled investment fund that invests in exchange traded short-term options and futures referencing equity indexes used for portfolio rebalancing. The fair values have been determined using the NAV per share of the investments.
- **Co-mingled International Equity Fund and Co-mingled Small Cap Fund** – This type consists of three institutional investment funds that invest in international equities diversified across all sectors and one fund that invests in U.S. small cap equities. The fair values of the investments in these types have been determined using the NAV per share of the investments.
- **Absolute Return Funds** – The fair values of the investments in this type have been determined using the NAV per share of the investments. *Directional funds* include investments in eleven funds whose investments are more directional in nature although they can shift opportunistically between having a directional bias and a non-directional bias. *Equity long/short funds* includes investments in nine funds in which the equity securities maintain some level of market exposure (either net long or net short); however the level of market exposure may vary through time. *Event driven funds* include investments in nineteen funds whose investments focus on identifying and analyzing securities that can benefit from the occurrence of an extraordinary corporate transaction or event (e.g., restructurings, takeovers, mergers, spin-offs, bankruptcy, etc). One fund is in the process of redemption totaling $23 thousand over the next two to ten years. *Multi-strategy funds* include investments in ten funds. Investments in these funds represent a mix of the other absolute return strategies. Five funds are in the process of redemption totaling $23 million over the next 1-5 years. *Relative value funds* include investments in twenty-one funds. These funds seek returns by capitalizing on the mispricing of related securities or financial instruments. One new fund with a value of $154 million has a redemption restriction of two years. All other funds currently have no redemption restrictions.
- **Private Equity Partnerships** – This type includes investments in limited partnerships. Generally speaking, the types of partnership strategies included in this portfolio are venture capital, growth equity, buyouts, special situations, mezzanine, and distressed debt. These investments have an approximate life of ten years and are considered illiquid. Redemptions are restricted over the life of the partnership. During the life of the partnerships distributions are received as underlying partnership investments are realized. The majority of the private equity partnership investments are managed by two gatekeepers. Both gatekeepers manage discretionary accounts for URS. The gatekeepers are required to manage the private equity portfolio in accordance with guidelines established by URS. URS has no plans to liquidate the total portfolio. As of December 31, 2018, it is probable that all the investments in this type will be sold at an amount different from the NAV per share (or its equivalent) of URS's ownership interest in partners' capital.
- **Energy, Mineral, and Royalty Funds** – Investments in *Energy* consist of 29 private equity partnerships, which invest primarily in oil and gas related investments. *Mineral funds* include seven private equity partnerships, which invest in

mineral mining equity securities, commodities and other mining investments. *Royalty funds* include two private equity partnerships, which invest primarily in drug royalties. These investments have an approximate life of 10 years and are considered illiquid. Redemption restrictions are in place over the life of the partnership. During the life of the partnerships, distributions are received as underlying partnership investments are realized. As of December 31, 2018, it is probable that all the investments in this type will be sold at an amount different from the NAV per share (or its equivalent) of URS's ownership interest in partners' capital. The fair values of these investments have been determined using estimates provided by the underlying partnerships using recent observable transactions information for similar investments.

- **Real Estate and Timber Funds** – This type includes 38 investments, which are invested primarily in apartments and retail space in the United States. *Timber i*ncludes three funds, which invest in timber-related resources. *Agriculture* includes four investments which operate in the production, processing , and distribution of high-value foods. Investments in these types can never be redeemed with the funds. Instead, the nature of these investments are that distributions from each investment will be received as the underlying investments are liquidated. Because it is probable that any individual investment will be sold, the fair value of each individual investment has been determined using the NAV per share (or its equivalent) of URS's ownership interest in partners' capital.

Utah Retirement Systems
(pension trust and defined contribution plans)
Investments Measured at the Net Asset Value (NAV) — Defined Contribution
At December 31, 2018
(expressed in thousands)

Investment Type	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Equity Securities				
Co-mingled Large Cap Equity Fund	$ 569,326	$ —	Daily	None
Co-mingled International Equity Fund	373,364	—	Daily	None
Co-mingled U.S. Small Cap Equity Fund	503,251	—	Daily	None
Co-mingled Russell 1000 Growth Equity Fund	11,496	—	Daily	None
Total Equity Securities	1,457,437	0		
Real Assets				
Co-mingled Real Estate Equity Fund	65,605	—	Quarterly	None
Co-mingled Commodities Fund	165,779	—	Daily	None
Total Real Asset	231,384	0		
Total Investments Measured at the NAV	$ 1,688,821	$ 0		

Defined Contribution

- **Co-Mingled Funds** – The fair values of the investments of this type have been determined using the NAV per share of the investments. The *co-mingled real estate equity fund* is comprised of institutional-quality commercial real estate across a broad range of real estate asset types. The *co-mingled commodities fund* invests mainly in bulk goods and raw materials. The other funds invest in securities indicative of their name.

Interest Rate Risk

Utah Retirement Systems (URS) (pension trust and defined contribution plans) manages its exposure to fair value loss arising from increasing interest rates by complying with the following policy:

- For domestic debt securities managers, an individual debt securities investment manager's portfolio will have an effective duration between 75 and 125 percent of the effective duration of the appropriate index.
- The international debt securities investment managers will maintain an effective duration of their portfolio between 80 and 120 percent of the appropriate index.
- The global debt securities investment managers will maintain an effective duration of their portfolio between 75 and 125 percent of the appropriate index.
- The global debt inflation-linked debt securities investment managers will maintain an effective duration of their portfolio between 80 and 120 percent of the appropriate index.
- Duration is a measure of a debt investment's exposure to fair value changes arising from changes in interest rates. It uses the present value of cash flows, weighted for those cash flows as a percentage of the investment's full price.

URS compares an investment's effective duration against the Bloomberg Barclays US Aggregate Bond Index for domestic debt securities, the Bloomberg Barclays Global Aggregate Index (USD hedged) for global debt securities, and the Bloomberg Barclays World Government Inflation-Linked Investment Bond Index (USD hedged) for inflation-linked debt securities. The index duration range as of December 31, 2018, was 4.40 to 7.34 for domestic debt securities, 5.22 to 8.70 for global debt securities, and 9.65 to 14.47 for inflation-linked debt securities.

URS compares an investment's effective duration against the Bloomberg Barclays US Intermediate Aggregate Bond Index for domestic debt securities, the Bloomberg Barclays Global Aggregate ex-US Bond Index (USD hedged) for international debt securities, and the Bloomberg Barclays Global Inflation-Linked Bond Index 1-10 Year (USD hedged) for inflation-linked debt securities. The index duration range as of December 31, 2018, was 4.40 to 7.34 for domestic debt securities, 6.34 to 9.50 for international debt securities, and 4.02 to 6.04 for inflation-linked debt securities.

As of December 31, 2018, no individual debt securities investment manager's portfolio was outside of the policy guidelines, except one manager that was 0.02 below its index duration range. This manager brought its portfolio back into range on the next business day.

As of December 31, 2018, the following table shows the investments by investment type, amount, and the effective weighted duration.

Utah Retirement Systems
(pension trust and defined contribution plans)
Debt Securities Investments
At December 31, 2018
(dollars expressed in thousands)

	Defined Benefit Plans		Defined Contribution Plans		
Investment	**Fair Value**	**Effective Weighed Duration**	**Fair Value**	**Effective Weighed Duration**	**Total All Systems and Plans**
Asset-backed Securities	$ 264,390	1.51	$ 59,674	0.55	$ 324,064
Commercial Mortgage-backed	108,505	3.91	698	0.80	109,203
Corporate Bonds	1,396,243	4.97	289,947	6.05	1,686,190
Fixed Income Other	39,774	—	98,187	—	137,961
Government Agencies	108,221	4.74	31,854	8.14	140,075
Government Bonds	1,030,337	9.46	172,613	8.07	1,202,950
Government Mortgage-backed Securities	924,939	5.52	249,149	3.55	1,174,088
Index Linked Bonds	1,413,408	11.48	142,185	5.17	1,555,593
Non-government Backed C.M.O.s	27,215	3.66	187	4.60	27,402
Synthetic Guaranteed Investment Contracts – measured at contract value	—	—	950,049	—	950,049
Total Debt Securities Investments	$ 5,313,032	7.47	$ 1,994,543	5.33	$ 7,307,575

Custodial Credit Risk

Custodial credit risk for investments is the risk that, in the event of a failure of the counterparty, URS will not be able to recover the value of the investment or collateral securities that are in the possession of an outside party. URS does not have an investment policy regarding custodial credit risk. As of December 31, 2018, there is $41.820 million of cash and cash equivalents exposed to custodial credit risk and $518.972 million of other assets where exposure to custodial credit risk is not determined. The $41.820 million frictional cash and cash equivalents subject to custodial credit risk are in foreign banks in URS's name. Because it is in foreign banks, it is subject to custodial credit risk. URS does not have an investment policy regarding custodial credit risk for frictional cash in foreign banks.

Concentration of Credit Risk

URS expects investment managers to maintain diversified portfolios by sector and by issuer using the following guidelines:

- **AAA/Aaa Debt Securities** – No more than 5 percent of an investment manager's assets at market with a single issuer.
- **AA-/Aa3 Debt Securities or higher** – No more than 4 percent of an investment manager's assets at market with a single issuer.
- **A-/A3 Debt Securities or higher** – No more than 3 percent of an investment manager's assets at market with a single issuer.
- **BBB-/Baa3 Debt Securities or higher** – No more than 2 percent of an investment manager's assets at market with a single issuer.
- **Debt Securities** – No individual holding will constitute more than 10 percent of the fair value of outstanding debt of a single issuer with the exception of the U.S. Government or its agencies, or collateralized mortgage obligations.

As of December 31, 2018, URS had no single issuer investments that exceeded the above guidelines.

Credit Risk of Debt Securities

URS expects its domestic debt securities investment managers to maintain diversified portfolios by sector and by issuer using the following guidelines:

- U.S. Government and Agency Securities – no restriction.
- Total portfolio quality will maintain a minimum overall rating of "A".
- Securities with a quality rating of below BBB- are considered below investment grade. No more than 5 percent of an investment manager's assets can be below investment grade and no more than 1 percent of an investment manager's assets can be with a single below investment grade issuer. No more than 15 percent of an investment manger's assets can be below investment grade.
- Upon approval, a domestic debt securities investment manager may invest up to 10 percent of the portfolio in non-U.S. dollar-denominated bonds.

The global debt securities investment managers may hold up to 25 percent of the fair value of their portfolios in securities rated below investment grade (below BBB-/Baa3). The remaining assets will have on average an investment grade rating. International debt securities investment managers may hold up to 20 percent of the fair value of their portfolios in securities rated below investment grade (below BBB-/Baa3). The remaining assets will have an investment grade rating.

URS's weighted quality rating average of the global debt securities, excluding pooled investments, as of December 31, 2018, was A+, and the fair value of below grade investments was $99.411 million or 1.87 percent.

The government mortgage-backed securities in URS that are not rated include $250 thousand Federal Home Loan Mortgage Corporation and $632 thousand of Federal National Mortgage Association securities, which are implicitly guaranteed by the U.S. government.

(Notes continue on next page.)

The following table presents URS's credit risk ratings as of December 31, 2018:

Utah Retirement Systems
(pension trust and defined contribution plans)
Credit Risk of Debt Securities at Fair Value
At December 31, 2018
(expressed in thousands)

	Defined Benefit Plans									
Quality Rating	Total	Asset-backed	Commercial Mortgage-backed	Corporate Bonds	Fixed Income Other	Government Agencies	Government Bonds	Government Mortgage-backed	Index-linked Bonds	Non-Government Backed C.M.O.s
AAA	$ 218,728	$ 111,025	$ 45,582	$ 11,015	$ —	$ 17,211	$ 8,407	$ 1,023	$ 24,426	$ 39
AA+	98,886	293	3,420	26,503	—	21,370	—	—	46,672	628
AA	17,163	9,253	—	6,370	—	1,540	—	—	—	—
AA-	159,073	1,907	595	150,657	—	1,782	4,132	—	—	—
A+	94,728	6,662	—	74,499	—	7,359	6,094	—	—	114
A	146,095	14,728	1,979	126,591	—	864	—	—	—	1,933
A-	247,610	—	2,768	244,436	—	—	341	—	—	65
BBB+	322,392	3,796	—	291,835	—	10,919	15,490	—	—	352
BBB	238,960	297	—	222,297	—	—	15,366	—	—	1,000
BBB-	178,389	—	—	160,931	—	—	17,339	—	—	119
BB+	3,998	51	—	3,746	—	—	—	—	—	201
BB	3,386	—	—	3,038	—	—	—	—	—	348
BB-	4,555	207	2,419	1,929	—	—	—	—	—	—
B+	6,906	—	—	1,532	—	—	5,374	—	—	—
B	10,476	632	—	1,206	—	1,531	6,000	—	1,084	23
B-	10,284	—	—	8,396	—	—	928	—	—	960
CCC+	2,004	—	—	2,004	—	—	—	—	—	—
CCC	855	106	—	—	—	—	—	—	—	749
CCC-	789	789	—	—	—	—	—	—	—	—
D	673	173	—	500	—	—	—	—	—	—
NR	1,985,402	114,471	51,742	58,758	39,774	45,645	204,193	672,625	777,510	20,684
Subtotal	3,751,352	$ 264,390	$ 108,505	$1,396,243	$ 39,774	$ 108,221	$ 283,664	$ 673,648	$ 849,692	$ 27,215
U.S. Treasuries	1,310,389									
Explicit U.S. Government Agencies	251,291									
Total Debt Securities Investments	$ 5,313,032									

	Defined Contribution Plans									
Quality Rating	Total	Asset-backed	Commercial Mortgage-backed	Corporate Bonds	Fixed Income Other	Government Agencies	Government Bonds	Government Mortgage-backed	Index-linked Bonds	Non-Government Backed C.M.O.s
AAA	$ 7,292	$ 2,504	$ 190	$ —	$ —	$ 2,736	$ 1,221	$ —	$ 641	$ —
AA+	47,824	40,524	—	1,787	—	—	—	—	5,513	—
AA	1,391	1,000	—	391	—	—	—	—	—	—
AA-	8,359	76	99	1,092	—	6,455	637	—	—	—
A+	16,385	389	—	11,016	—	4,269	711	—	—	—
A	9,306	2,183	—	7,123	—	—	—	—	—	—
A-	29,565	—	—	29,565	—	—	—	—	—	—
BBB+	78,076	302	—	65,178	—	12,596	—	—	—	—
BBB	75,460	59	—	74,242	—	—	1,159	—	—	—
BBB-	52,962	—	—	46,494	—	4,246	2,222	—	—	—
BB+	20,152	18	—	20,134	—	—	—	—	—	—
BB	17,098	—	—	17,098	—	—	—	—	—	—
BB-	13,840	—	349	13,491	—	—	—	—	—	—
B+	2,060	—	—	215	—		1,845	—	—	—
B	2,052	—	—	79	—	257	1,523	—	193	—
B-	283	—	—	109	—	—	174	—	—	—
NR	503,806	12,619	60	1,933	98,187	1,295	76,680	228,446	84,399	187
Subtotal	885,911	$ 59,674	$ 698	$ 289,947	$ 98,187	$ 31,854	$ 86,172	$ 228,446	$ 90,746	$ 187
U.S. Treasuries	137,880									
Explicit U.S. Government Agencies	20,703									
Synthetic Guaranteed Investment Contracts	950,049									
Total Debt Securities Investments	$ 1,994,543									

Foreign Currency Risk

URS expects the International Securities Investment Managers to maintain diversified portfolios by sector and by issuer using the following guidelines:

- International investment managers invest in fixed income instruments and equity instruments of corporations headquartered outside of the United States unless specifically authorized within the investment managers' contract.
- Domestic investment managers are allowed to invest in international corporations traded in American Depository Receipts (ADRs).
- Portfolios should be adequately diversified to limit foreign currency and security risk.

Risk of loss arises from changes in currency exchange rates. URS's exposure to foreign currency risk is shown in the table below.

Utah Retirement Systems
(pension trust and defined contribution plans)
Foreign Currency Risk
International Investment Securities at Fair Value

At December 31, 2018
(expressed in thousands)

	Defined Benefit Plans						Defined Contribution Plans			
Currency	Short-term	Debt	Equity	Absolute Return	Private Equity	Total	Debt	Equity	Total	Total All Systems and Plans
Argentine peso	$ 227	$ 3,606	$ —	$ —	$ —	$ 3,833	$ 876	$ —	$ 876	$ 4,709
Australian dollar	889	22,620	167,882	—	3,269	194,660	11,156	22,954	34,110	228,770
Brazilian real	453	—	91,601	—	—	92,054	—	10,611	10,611	102,665
British pound sterling	9,696	324,287	627,377	1,461	46,631	1,009,452	20,279	57,566	77,845	1,087,297
Canadian dollar	1,144	51,280	295,399	—	—	347,823	9,440	92,588	102,028	449,851
Cayman Islands dollar	—	—	—	—	—	—		18	18	18
Chilean peso	113	3,307	10,477	—	—	13,897	545	1,649	2,194	16,091
Chinese yuan renminbi	—	—	5,556	—	—	5,556	—	39,966	39,966	45,522
Colombian peso	154	—	3,967	—	—	4,121	—	562	562	4,683
Czech koruna	64	—	1,308	—	—	1,372	—	233	233	1,605
Danish krone	224	2,153	37,700	—	—	40,077	321	5,821	6,142	46,219
Egyptian pound	—	—	895	—	—	895	71,658	250	71,908	72,803
European euro	10,766	375,779	1,055,328	470,383	164,704	2,076,960	—	105,312	105,312	2,182,272
Hong Kong dollar	2,002	—	455,822	—	—	457,824	—	13,248	13,248	471,072
Hungarian forint	10	—	12,927	—	—	12,937	—	438	438	13,375
Indian rupee	375	3,054	85,970	—	—	89,399	571	14,443	15,014	104,413
Indonesian rupiah	142	—	18,636	—	—	18,778	—	3,329	3,329	22,107
Japanese yen	2,200	241,281	914,997	8,788	—	1,167,266	50,589	80,564	131,153	1,298,419
Malaysian ringgit	130	—	25,558	—	—	25,688	—	3,590	3,590	29,278
Mexican peso	106	—	58,386	28,871	—	87,363	—	3,983	3,983	91,346
Moroccan dirham	17	—	—	—	—	17	—	—	—	17
Israeli new shekel	459	917	9,056	—	—	10,432	260	1,772	2,032	12,464
New Taiwan dollar	1,300	—	117,351	—	—	118,651	—	17,289	17,289	135,940
New Zealand dollar	538	56,936	8,374	—	—	65,848	7,173	774	7,947	73,795
Norwegian krone	389	4,472	17,921	—	—	22,782	576	2,425	3,001	25,783
Pakistani rupee	—	—	—	—	—	—	—	174	174	174
Peruvian nuevo sol	39	—	203	—	—	242	—	550	550	792
Philippine peso	102	—	14,041	—	—	14,143	—	1,562	1,562	15,705
Polish zloty	135	—	8,571	—	—	8,706	—	1,787	1,787	10,493
Qatar riyal	—	—	—	—	—	—	—	1,554	1,554	1,554
Russian ruble	100	—	16,653	—	—	16,753	—	4,823	4,823	21,576
Singapore dollar	1,133	—	48,653	—	—	49,786	—	4,601	4,601	54,387
South African rand	166	—	52,435	—	—	52,601	—	8,818	8,818	61,419
South Korean won	98	—	201,404	—	—	201,502	—	20,353	20,353	221,855
Swedish krona	447	9,389	83,803	—	—	93,639	2,042	9,009	11,051	104,690
Swiss franc	1,029	—	261,365	—	—	262,394	—	28,770	28,770	291,164
Thai baht	142	1,955	36,999	—	—	39,096	575	3,673	4,248	43,344
Turkish lira	28	—	11,826	—	—	11,854	—	1,008	1,008	12,862
United Arab Emirates dirham	289	—	8,553	—	—	8,842	—	1,049	1,049	9,891
Total Securities Subject to Foreign Currency Risk	$ 35,106	$ 1,101,036	$ 4,766,994	$ 509,503	$ 214,604	$ 6,627,243	$ 176,061	$ 567,116	$ 743,177	$ 7,370,420

C. Primary Government – Trust Lands

Investments

Trust Lands' (permanent fund) investments by type are presented below:

Trust Lands
(permanent fund)
Investments at Fair Value
June 30, 2019
(expressed in thousands)

Investment Category	Fair Value (with accruals)
Growth	$ 1,010,106
Real Assets	439,354
Income	796,627
Defensive	324,621
Total Investments	$ 2,570,708

Trust Lands investment securities are stated at fair value, which is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between two market participants at the measurement date. Purchase and sale transactions are recorded on the trade date.

Fair Value Measurements

Trust Lands measures and records investments using fair value measurement guidelines established by generally accepted accounting principles. These guidelines recognize a three-tiered fair value hierarchy, as follows:

- Level 1: Quoted Prices in Active Markets for Identical Assets.
- Level 2: Significant Other Observable Inputs.
- Level 3: Significant Unobservable Inputs.

In instances where inputs used to measure fair value fall into different levels in the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset or liability.

Securities (cash, debt and equity securities, including registered investment companies/mutual funds with daily liquidity holding such securities) in the Investment Thematic categories classified in Level 1 are valued using prices quoted in active markets for those securities.

Securities (debt and equity securities, including derivative instruments and Trust Lands' proportionate share of securities held in commingled vehicles with regular liquidity which hold such securities) in the Investment Thematic categories classified in Level 2 are valued using the following approaches: Mid Evaluation, Bid Evaluation and Theory (a theoretical price calculated by applying a standardized formula to derive a price from a related security).

Securities (debt and equity securities, including derivative securities and the Trust Lands' proportionate share of securities held in commingled vehicles with regular liquidity holding such securities) in the Investment Thematic categories classified in Level 3 are valued using the following approaches: Bid Evaluation and other pricing indications which may be unobservable or with limited volume. Bid evaluations may include market quotations, yields, maturities, call features and ratings. Debt securities classified in Level 3 are valued and priced using proprietary information, single source pricing and/or may have nominal value. Equity securities classified in Level 3 are valued with last trade data having limited trading volume.

Investments that are measured at fair value using the net asset value (NAV) per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy. Trust Lands has determined the fair value of these investments using the NAV per share of the investments (or its equivalent) as reported in current period audited statements of the manager, prior period audited statements of the manager adjusted for subsequent calls and distributions, current period unaudited statements or estimates provided by the underlying investments using recent observable transaction information for similar investments. The objectives and valuation approach for investments that are measured at fair value using the NAV per share (or its equivalent) as a practical expedient are more fully described below.

At June 30, 2019, Trust Lands had the following recurring fair value measurements:

Trust Lands
(permanent fund)
Investments Measured at Fair Value
June 30, 2019
(expressed in thousands)

Investment Type	Fair Value	Quoted Prices in Active Markets for Identical Assets Level 1	Significant Other Observable Inputs Level 2	Significant Unobservable Inputs Level 3
Investments by Fair Value Level				
Growth				
US Equity	$ 391,858	$ 391,638	$ 220	$ —
International Equity	430,878	260,846	169,921	111
Total Growth	822,736	652,484	170,141	111
Real Assets				
TIPS	69,017	69,017	—	—
Public Real Assets	147,678	147,432	246	—
Total Real Assets	216,695	216,449	246	—
Income				
Credit	93,142	11,073	81,617	452
Securitized	32,137	32,137	—	—
Non-U.S.	96,302	96,785	(483)	—
Total Income	221,581	139,995	81,134	452

Defensive				
Long US Treasury	$ 86,110	$ 86,110	$ —	$ —
Cash and Cash Equivalents	44,079	37,190	6,889	—
Total Defensive	130,189	123,300	6,889	—
Total Investments by Fair Value Level	1,391,201	$ 1,132,228	$ 258,410	$ 563
Investments Measured at the Net Asset Value (NAV)				
Growth				
International Equity	$ 97,516			
Private Equity	89,854			
Real Assets				
Public Real Assets	5,147			
Private Real Estate	178,891			
Private Real Assets	38,621			
Income				
Credit	103,577			
Securitized	251,484			
Non-US	52,168			
Insurance-Linked Securities	67,524			
Private Debt	100,293			
Defensive				
Systematic Convexity	194,432			
Total Investments Measured at the NAV	$ 1,179,507			
Total Investments Measured at Fair Value	$ 2,570,708			

Investments Measured at Net Asset Value (NAV)

The following table presents the unfunded commitments, redemption frequency (if currently eligible), and the redemption notice period for the alternative investments measured at NAV.

Trust Lands
(permanent fund)
Investments Measured at Net Asset Value (NAV)
June 30, 2019
(expressed in thousands)

Investment Type	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Growth				
International Equity	$ 97,516	$ —	30-90 Days	90 Days
Private Equity	89,854	77,675	Limited	N/A
Total Growth	187,370	77,675		
Real Assets				
Public Real Assets	5,147	—	90 Days, Limited	90 Days, N/A
Private Real Estate	178,891	86,772	Limited	N/A
Private Real Assets	38,621	83,873	Limited	N/A
Total Real Assets	222,659	170,645		
Income				
Credit	103,577	—	90 Days	60 Days
Securitized	251,484	—	91 Days (calendar qtr.)	91 Days (1/8 gate)
Non-US	52,168	—	180 Days (May 1, Nov1)	180 Days
Insurance-Linked Securities	67,524	46,489	Limited	N/A
Private Debt	100,293	32,657	Limited	N/A
Total Income	575,046	79,146		
Defensive				
Systematic Convexity	194,432	—	5 Days	4 Days (30% investor gate)
Total Defensive	194,432	—		
Total Investments Measured at NAV	$ 1,179,507	$ 327,466		

The description of underlying holdings and valuation methodologies for investments measured at the NAV, detailed above, are described further as follows:

Growth–International Equity: Consists of one investment in a limited partnership with equity investments and one investment in units of a pooled investment fund. The fair values of the investments in this type have been determined using the NAV per share (or its equivalent) of Trust Lands' investments held or ownership interest in partners' capital.

Growth–Private Equity: Consists of eight investments in private equity limited partnerships. Generally speaking, the types of strategies included in this portfolio include venture capital, growth equity, opportunistic real estate equity, buyouts and special situations. These investment commitments were made in 2016 onward and have an approximate life in excess of 10 years and are considered illiquid. Redemptions are restricted over the life of the partnership. During the life of the partnership, distributions are received as underlying partnership investments are realized.

Trust Lands has no plans to liquidate the total portfolio. As of June 30, 2019, it is probable that all the investments in this type would be sold at an amount different from the NAV per share (or its equivalent) of Trust Lands' ownership interest in partners' capital.

Real Assets–Public Real Assets: consists of one investment in a preferred equity investment in a Master Limited Partnership (MLP) and associated investment strategies. The fair value of the investment in this type has been determined using the NAV per share (or its equivalent) of Trust Lands' ownership interest in partners' capital.

Real Assets – Private Real Estate: Consists of eleven investments in private real estate limited partnerships. Generally speaking, the types of strategies included in this portfolio include core and value-added property interests. These investment commitments were made over a period ranging from 2008 onward and have an approximate life in excess of 10 years and are therefore considered illiquid. Redemptions are restricted over the life of the partnership. During the life of the partnership, distributions are received as underlying partnership investments are realized. Trust Lands has no plans to liquidate the total portfolio. As of June 30, 2019, it is probable that all the investments in this type would be sold at an amount different from the NAV per share (or its equivalent) of Trust Lands' ownership interest in partners' capital. This category also includes one investment in pooled investment funds with a focus on real estate property and property income. The fair value of the investment in this type have been determined using the NAV per share (or its equivalent) of Trust Lands' investments ownership interest in partners' capital.

Real Assets – Private Real Assets: Consists of four investments in limited partnerships. Generally speaking, the types of strategies included in this portfolio include infrastructure/power generation and opportunistic natural resource investments, including co-investments. These investment commitments were made over a period ranging from 2016 onward and have an approximate life in excess of 10 years and are therefore considered illiquid. Redemptions are restricted over the life of the partnership. During the life of the partnerships distributions are received as underlying partnership investments are realized or co-investment holdings are sold. Trust Lands has no plans to liquidate the total portfolio. As of June 30, 2019, it is probable that all the investments in this type would be sold at an amount different from the NAV per share (or its equivalent) of the Trust Lands' ownership interest in partners' capital.

Income – Credit: Consists of two investments in limited partnerships with underlying credit/securitized fixed income investments and associated investments. The fair value of the investment in this type has been determined using the NAV per share (or its equivalent) of the Trust Lands' ownership interest in partners' capital.

Income – Securitized: Consists of four investments in limited partnerships with underlying lower-quality credit/securitized fixed income investments and associated strategies. The fair value of the investment in this type has been determined using the NAV per share (or its equivalent) of Trust Lands' ownership interest in partners' capital.

Income – Non US: Consists of one investment in a limited partnership with underlying global derivative instruments and associated strategies. The fair value of the investment in this type has been determined using the NAV per share (or its equivalent) of Trust Lands' ownership interest in partners' capital.

Income – Insurance-Linked Securities: Consists of four investments in limited partnerships with underlying insurance-linked securities investments and associated strategies. The fair value of the investments in this type have been determined using the NAV per share (or its equivalent) of the Trust Lands' ownership interest in partners' capital.

Income – Private Debt: Consists of five investments in limited partnerships. Generally speaking, the types of strategies included in this portfolio include securitized credit, asset-backed/collateralized loan obligation, mezzanine debt and equity, distressed debt/special situations, co-investments and related investments. These investment commitments were made over a period ranging from 2016 onwards and have an approximate life, including lock-ups of three to nearly 10 years and are therefore considered illiquid. Trust Lands has no plans to liquidate the total portfolio. As of June 30, 2019, it is probable that all the investments in this type would be sold at an amount different from the NAV per share (or its equivalent) of Trust Lands' ownership interest in partners' capital.

Defensive – Systematic Convexity: Consists of one investment in a limited partnership with underlying investments in Commodity Trading Advisor/Systematic and associated investment strategies. The fair value of the investment in this type has been determined using the NAV per share (or its equivalent) of Trust Lands' investments held or ownership interest in partners' capital.

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Trust Lands manages the exposure to fair value loss arising from increasing interest rates through prudent deployment, management, and oversight of investments with exposure to interest rate sensitivity. Trust Lands does not have a formal policy for interest rate risk.

As of June 30, 2019, Trust Lands' debt security investments (including the underlying portfolios of indirectly held investments, where available) had the following weighted average maturities:

Trust Lands
(permanent fund)
Debt Securities Investments
June 30, 2019
(*dollars expressed in thousands*)

Investment Category	Fair Value	Weighted Average Maturity (Years)
Bank Loans	$ 10,022	5.35
Corporate Bonds	54,161	11.14
Corporate Convertible Bonds	5,202	29.28
Funds – Corporate Bond	32,146	3.69
Funds – Fixed Income ETF	165,319	6.99
Funds – Municipal/Provincial Bond	18	16.03
Funds – Short-term Investment	37,872	0.28
Government Agencies	429	2.58
Government Bonds	85,267	24.99
Other Fixed Income	6,889	0.13
Total Debt Securities Investments	$ 397,325	10.64

As of June 30, 2019, Trust Lands held $418.856 million in seven investments with a fixed income (or related) investment emphasis for which Weighted Average Maturity details were unavailable and not evaluated. These investments included Bank Loan investment funds with other assets held, and hedge fund strategies.

Credit Risk of Debt Securities

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. Trust Lands manages the exposure to fair value loss arising from credit risk through prudent deployment, management, and oversight of investments. Trust Lands does not have a formal policy for credit risk.

As of June 30, 2019, the fair value of Trust Lands' debt security investments with exposure to credit risk had the following credit quality ratings (S&P rating is primary, if not available or not rated by S&P, corresponding Moody's rating is substituted).

Trust Lands
(permanent fund)
Credit Risk of Debt Securities at Fair Value
June 30, 2019
(*expressed in thousands*)

Quality Rating	Total	Bank Loans	Corporate Bonds	Corporate Convertible Bonds	Funds–Corporate Bond	Funds–Government Bond	Funds–Municipal/ Provincial Bond	Funds–Short-term Investment	Government Agencies	Other Fixed Income
AAA	$ 427	$ —	$ 427	$ —	$ —	$ —	$ —	$ —	$ —	$ —
AA-	$ 168	—	168	—	—	—	—	—	—	—
A	$ 1,333	—	1,333	—	—	—	—	—	—	—
A-	$ 3,707	—	3,707	—	—	—	—	—	—	—
BBB+	$ 5,619	—	5,190	—	—	—	—	—	429	—
BBB	$ 9,722	—	9,722	—	—	—	—	—	—	—
BBB-	$ 10,361	827	9,534	—	—	—	—	—	—	—
BB+	$ 5,404	377	4,508	519	—	—	—	—	—	—
BB	$ 6,005	892	4,183	930	—	—	—	—	—	—
BB-	$ 6,474	2,046	3,034	1,394	—	—	—	—	—	—
B+	$ 5,881	2,047	3,273	561	—	—	—	—	—	—
B	$ 4,470	1,541	2,929	—	—	—	—	—	—	—
B-	$ 4,990	1,131	3,859	—	—	—	—	—	—	—
CCC+	$ 1,563	—	1,378	185	—	—	—	—	—	—
CCC	$ 99	—	99	—	—	—	—	—	—	—
Not Rated	$ 245,835	1,161	817	1,613	32,146	165,319	18	37,872	—	6,889
Total Rated Securities	312,058	$ 10,022	$ 54,161	$ 5,202	$ 32,146	$ 165,319	$ 18	$ 37,872	$ 429	$ 6,889
U.S. Treasuries	85,267									
Total Debt Securities Investments	$ 397,325									

As of June 30, 2019, the Trust Funds held $37.872 million in the Northern Trust Institutional Funds Treasury Portfolio - Premier Class, an AAA-rated money market fund.

Custodial Credit Risk

For an investment, custodial credit risk is the risk that, in the event of the failure of the counterparty, Trust Lands will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. Trust Lands does not have a formal policy for custodial credit risk. Investments are registered investments or held by Trust Lands, or by Trust Land's agent in Trust Land's name. The State Treasurer is the custodian of investments of Trust Lands, and the investments are held under a custodial safekeeping agreement with the Northern Trust Company.

As of June 30, 2019, the following investments, including accrued income/expense, have custodial credit risk:

- Cash and Cash Equivalents – The $1.732 million frictional cash and cash equivalents subject to custodial credit risk are in foreign banks in the Trust Lands' name. Because it is in foreign banks, it is subject to custodial credit risk. Trust Lands does not have an investment policy regarding custodial credit risk for frictional cash in foreign banks.
- Other Assets – The $625.417 million other assets represent the investments, including accrued income/expense, that have custodial credit risk which has not been determined.

Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. Trust Lands manages exposure to fair value loss arising from concentrations of credit risk through prudent deployment, management, and oversight of investments. Trust Lands does not have a formal policy for concentrations of credit risk.

As of June 30, 2019, Trust Lands does not hold any credit positions exceeding 5 percent of the total portfolio.

Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. Trust Lands manages exposure to fair value loss arising from foreign currency risk through prudent deployment, management, and oversight of investments. The Trust Lands does not have a formal policy for foreign currency risk.

Trust Lands' exposure to foreign currency (inclusive of pending foreign exchange purchases and sales) as of June 30, 2019, is as follows:

Trust Lands
(permanent fund)
Foreign Currency Risk
June 30, 2019
(*expressed in thousands*)

Currency	Alternative Investments	Debt	Short-term	Equity	Total
Australian dollar	$ —	$ —	$ 155	$ 22,868	$ 23,023
British pound sterling	—	—	151	23,542	$ 23,693
Danish krone	—	—	41	5,466	$ 5,507
Euro	18,620	430	722	98,324	$ 118,096
Hong Kong dollar	—	—	157	10,306	$ 10,463
Israeli new shekel	—	—	16	4,726	$ 4,742
Japanese yen	—	—	373	34,213	$ 34,586
New Zealand dollar	—	—	19	2,725	$ 2,744
Norwegian krone	—	—	104	5,727	$ 5,831
Singapore dollar	—	—	16	5,467	$ 5,483
Swedish krona	—	—	48	11,999	$ 12,047
Swiss franc	—	—	290	25,025	$ 25,315
Total Securities Subject to Foreign Currency Risk	$ 18,620	$ 430	$ 2,092	$ 250,388	$ 271,530

D. Discrete Component Units

Custodial Credit Risk – Deposits

The custodial credit risk for deposits is the risk that, in the event of a bank failure, the discrete component units' deposits may not be recovered.

The discrete component units follow the Utah Money Management Act by making deposits only in qualified depository institutions or in foreign depository institutions in accordance with rules of the State Money Management Council. Deposits with qualified depository institutions in excess of FDIC insurance limits amount are uninsured and uncollateralized. Deposits are neither collateralized nor are they required to be by state statute. The deposits for the discrete component units at June 30, 2019, were $312.874 million. Of these, $251.124 million were exposed to custodial credit risk as uninsured and uncollateralized and $52.717 million were exposed to custodial credit risk as uninsured and collateralized with securities held by the pledging financial institution's trust department or agent but not in the discrete component units' names.

Investments

The discrete component units follow the applicable investing criteria described above for the primary government, with the exception of the Public Employees Health Program, which is exempt from the Money Management Act.

The Public Employees Health Program is administered by the Utah State Retirement Board (Board). Investments are in accordance with the "prudent person rule."

College and university funds from gifts, private grants, and the corpus of funds functioning as endowments are invested according to the requirements of the Uniform Prudent Management of Institutional Funds Act (UPMIFA) and State Board of Regents Management and Reporting of Institutional Investments (Rule 541), or separate endowment investment policies, which have been approved by their Board of Trustees and by the Board of Regents. The UPMIFA and Rule 541 allow the colleges and universities to invest endowment funds (including gifts, devises, or bequests of property of any kind from any source) in any investments allowed by the Money Management Act or any of the following subject to satisfying certain criteria: mutual funds registered with the Securities and Exchange Commission; investments sponsored by the Common Fund; any investment made in accordance with the donor's directions in a written instrument; investments in corporate stock listed on a major exchange (direct ownership); and any alternative investment funds that derive returns primarily from high yield and distressed debt (hedged or non-hedged), private capital (including venture capital and private equity), natural resources, and private real estate assets or absolute return and long/short hedge funds.

The discrete component units' investments at June 30, 2019, are presented on the next page. The investments are presented at fair value and by investment type with debt securities presented by maturity.

Fair Value Measurements

The State categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. These guidelines recognize a three-tiered fair value hierarchy as follows:

- Level 1: Inputs are quoted prices for identical investments in active markets.
- Level 2: Observable inputs other than quoted market prices.
- Level 3: Unobservable inputs.

The following table presents the recurring fair value measurements at June 30, 2019, for the discrete component units.

(Table on next page)

Discrete Component Units Debt Securities Investments
Investments and Derivative Instruments Measured at Fair Value
At June 30, 2019
(expressed in thousands)

		Fair Value Measurements Using		
	Fair Value	**Level 1**	**Level 2**	**Level 3**
Investments by Fair Value Level				
Debt Securities				
U.S. Treasuries	$ 137,538	$ 3,999	$ 133,539	$ —
U.S. Agency – full faith	375	—	375	—
U.S. Agencies	2,077,964	51,638	2,025,962	364
Government Mortgage-backed Securities	100,677	—	88,712	11,965
Corporate Debt	654,265	—	653,695	570
Negotiable Certificates of Deposit	10,315	—	10,315	—
Money Market Mutual Funds	210,469	43,582	166,887	—
Municipal/Public Bonds	29,322	—	29,322	—
Asset-backed Securities	30,823	—	30,591	232
Bond Mutual Funds	254,225	7,260	217,669	29,296
Unit Investment Trusts	6,680	—	6,680	—
Non-government-backed CMOs	299	—	—	299
Repurchase Agreement: U.S. Agency	81,500	—	81,500	—
Utah Public Treasurers' Investment Fund	804,894	—	804,894	—
Total Debt Securities	4,399,346	106,479	4,250,141	42,726
Equity Securities				
Domestic Equity	648,571	25,880	582,167	40,524
International Equity	1,935	—	1,935	—
Equity Securities	86,145	73,330	7,675	5,140
Total Equity Securities	736,651	99,210	591,777	45,664
Other Investments				
Real Estate	5,924	—	—	5,924
Total Other Investments	5,924	0	0	5,924
Total Investments by Fair Value Level	5,141,921	$ 205,689	$ 4,841,918	$ 94,314
Investments Measured at the Net Asset Value (NAV)				
Credit Sensitive Fixed Income	28,703			
Diversifying Strategies	171,054			
Emerging Markets Equity	4,881			
Global Distressed	52			
Hedge Funds	79,154			
Interest in an LLC	650			
International Equity	9,189			
Other Real Assets	72,225			
Private Equity	54,959			
Private Equity Core Real Estate	8,479			
Private Equity Natural Resources	9,216			
Private Equity Partnerships	30,001			
Private Infrastructure	2,479			
Private Real Estate	21,200			
Secondary Partners	400			
Venture Capital Funds	49,284			
Total Investments Measured at the NAV	541,926			
Total Investments Measured at Fair Value	$ 5,683,847			
Invested Securities Lending Collateral				
Debt Securities	$ 2,923	$ 0	$ 2,923	$ 0

Debt securities and Equity securities classified in Level 1 are valued using prices quoted in active markets for those securities. The Domestic Equity securities in Level 1 are valued using prices provided by the fund company.

Securities classified in Level 2 are valued using the following approaches:

U.S. Treasuries, U.S. Agencies, and International Equity:
- Valued using quoted prices for identical securities in markets that are not active or using a matrix pricing technique that values securities based on their relationship to benchmark quoted prices.

Corporate Debt, Municipal/Public Bonds, Negotiable Certificates of Deposit, and Equity Securities:
- Valued using quoted prices for similar securities in active markets or using a matrix pricing technique that values securities based on their relationship to benchmark quoted prices.

Repurchase Agreement–U.S. Agency:
- Valued at cost due to very short-term maturity.

Asset-backed Securities:
- Valued using a matrix pricing technique that values securities based on their relationship to benchmark quoted prices.

Money Market Mutual Funds, Bond Mutual Funds, and Domestic Equity:
- Valued using published fair value per share (unit) for each fund.

Government Mortgage-backed and Asset-backed:
- Valued using a matrix pricing technique that values securities based on their relationship to benchmark quoted prices.

Unit Investment Trusts:
- Valued using average published fair value of investments included in the UIT.

Utah Public Treasurers' Investment Fund:
- Valued using the application of the June 30, 2019, fair value factor, as calculated by the Utah State Treasurer, to the June 30, 2019 balance.

Securities classified in Level 3 are valued using the following approaches:

U.S. Agencies, Corporate Debt, and Government Mortgage-backed:
- Valued using discounted cash flow techniques.

Asset-backed Securities and Non-government-backed CMOs:
- Valued using consensus pricing.

Bond Mutual Funds, Domestic Equity, and Equity Securities:
- Valued using various sources such as issuer, investment manager, client, etc., or default price if price is not provided.

Real Estate:
- Valued using current real estate market values.

Debt Securities Lending Collateral classified in Level 2 are valued using market approaches that consider, as applicable, benchmark interest rates or foreign exchange rates.

Investments Measured at the Net Asset Value (NAV)

The State's colleges and universities, (discrete component units) administer endowment portfolios of a long-term nature. The strategy, within the constraints of the asset allocation model, is to add assets with higher return expectations in order to outweigh their short-term volatility risk. As a result, endowment investments will typically be invested in equity or equity-like securities, including real assets (real estate, natural resources, and infrastructure). Real assets also are expected to provide the added benefit of inflation protection. The fair values of these types of investments are measured at the NAV per share (or its equivalent) as they generally do not have readily obtainable fair values and often take the form of limited partnerships. The NAV is based on the values provided by the partnerships as well as their audited financial statements. If June 30 statements are available, those values are used preferentially. However, some partnerships have fiscal years ending at other than June 30. If June 30 valuations are not available, the value is progressed from the most recently available valuation taking into account subsequent capital calls and distributions. The following table presents the unfunded commitments, redemption frequency (if currently eligible), and the redemption notice period for the alternative investments measured at NAV:

Discrete Component Units Debt Securities
Investments Measured at the Net Asset Value (NAV)
At June 30, 2019
(dollars expressed in thousands)

Investment Type	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Credit Sensitive Fixed Income	$ 28,703	$ 26,303	Quarterly	90 days
Diversifying Strategies	171,054	—	Daily, quarterly, annually	0 – 90 Days
Emerging Markets Equity	4,881	—	N/A	N/A
Global Distressed	52	76	N/A	N/A
Hedge Funds	4,758	—	Quarterly	100 Days
Hedge Funds	5,200	—	Daily, monthly, quarterly	1 – 90 Days
Hedge Funds	69,196	—	Monthly, quarterly	30 – 75 Days
Interest in an LLC	650	—	N/A	N/A
International Equity	9,189	—	Quarterly	100 Days
Other Real Assets	72,225	168,248	N/A	N/A
Private Equity	54,959	31,042	N/A	N/A
Private Equity Core Real Estate	8,479	—	Quarterly	30 – 60 Days
Private Equity Natural Resources	9,216	7,808	N/A	N/A
Private Equity Partnerships	860	—	Quarterly	45 – 60 Days
Private Equity Partnerships	50	—	Monthly	10 Days
Private Equity Partnerships	83	15	Initial 10 year with five 1-year extensions	60 Days
Private Equity Partnerships	29,008	21,091	N/A	N/A
Private Infrastructure	2,479	5,901	N/A	N/A
Private Real Estate	21,200	8,687	N/A	N/A
Secondary Partners	400	988	N/A	N/A
Venture Capital Funds	49,284	36,078	N/A	N/A
Total Investments Measured at NAV	$ 541,926	$ 306,237		

Interest Rate Risk

The following table presents the debt investments and maturities at June 30, 2019, for the discrete component units.

Discrete Component Units
Debt Investments at Fair Value
At June 30, 2019
(expressed in thousands)

		Investment Maturities (in years)				
Investment Type	**Fair Value**	**Less Than 1**	**1-5**	**6-10**	**11-20**	**More Than 20**
U.S. Treasuries	$ 137,538	$ 4,992	$ 111,080	$ 21,466	$ —	$ —
U.S. Agency – full faith	375	—	—	—	375	—
U.S. Agencies	2,077,964	969,898	851,752	256,092	222	—
Government Mortgage-backed Securities	100,677	—	322	2,232	19,153	78,970
Corporate Debt	654,265	166,343	382,909	44,252	60,761	—
Negotiable Certificates of Deposit	10,315	3,453	6,862	—	—	—
Money Market Mutual Funds	210,469	210,469	—	—	—	—
Municipal/Public Bonds	29,322	9,251	8,794	7,640	3,637	—
Asset-backed Securities	30,823	—	11,250	1,449	1,610	16,514
Bond Mutual Funds	254,225	2,286	90,902	161,037	—	—
Unit Investment Trusts	6,680	6,680	—	—	—	—
Non-government-backed CMOs	299	—	—	—	—	299
Repurchase Agreement: U.S. Agency	81,500	81,500	—	—	—	—
Securities Lending Cash Collateral Pool	2,923	2,923	—	—	—	—
Utah Public Treasurers' Investment Fund	804,894	804,894	—	—	—	—
Total Debt Investments	$ 4,402,269	$ 2,262,689	$ 1,463,871	$ 494,168	$ 85,758	$ 95,783

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment.

The discrete component units' policy in general for managing interest rate risk is the same as described above for the primary government and endowment funds complying with the State's Money Management Act or the UPMIFA and Rule 541, as applicable. For non-endowment funds, Section 51-7-11 of the Money Management Act requires that the remaining term to maturity of investments may not exceed the period of availability of the funds to be invested. The Act further limits the remaining term to maturity on all investments in commercial paper, bankers' acceptances, fixed-rate negotiable deposits, and fixed-rate corporate obligations to 270 days - 15 months or less. The Act further limits the remaining term to maturity on all investments in obligations of the United States Treasury; obligations issued by U.S. government-sponsored enterprises; and bonds, notes, and other evidence of indebtedness of political subdivisions of the State to 10 years for institutions of higher education. In addition, variable rate negotiable deposits and variable rate securities may not have a remaining term to final maturity exceeding three years. For endowment funds, Rule 541 is more general, requiring only that investments be made as a prudent investor would, by considering the purposes, terms, distribution requirements, and other circumstances of the endowments and by exercising reasonable care, skill, and caution.

For the fixed income portfolio, the Public Employees Health Program's (PEHP) (major discrete component unit) policy to manages its exposure to fair value loss arising from increasing interest rates is that the investment manager's portfolio will have an effective duration between 75 - 125 percent of the effective duration of the appropriate index.

Duration is a measure of a debt investment's exposure to fair value changes arising from changes in interest rates. It uses the present value of cash flows, weighted for those cash flows as a percentage of the investments full price. PEHP compares an investment's effective duration against the Barclays U.S. Intermediate Aggregate Bond Index. The allowable duration range was 4.40 to 7.34 and the portfolio was within the policy guidelines.

Credit Risk of Debt Securities

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The discrete component units' policy for reducing its exposure to credit risk is to comply with the State's Money Management Act, the UPMIFA, and Rule 541, as previously discussed. The discrete component units' debt investments as of June 30, 2019, were rated by Standard and Poor's and/or an equivalent nationally recognized statistical rating organization and the ratings are presented below using Standard and Poor's rating scale.

(Table on next page)

Discrete Component Units
Debt Investments Quality Ratings
At June 30, 2019
(expressed in thousands)

Debt Investments	Fair Value	Quality Ratings AAA	AA	A	BBB	BB	B	Not Rated
U.S. Agencies	$ 2,077,964	$ 666,100	$1,145,380	$ 4,863	$ 4,867	$ —	$ —	$ 256,754
Government Mortgage-backed Securities	100,677	—	—	91,673	—	—	—	9,004
Corporate Debt	654,265	1,944	62,520	360,431	202,593	9,758	—	17,019
Negotiable Certificates of Deposit	10,315	2,502	—	3,098	—	—	—	4,715
Money Market Mutual Funds	210,469	—	—	—	—	—	—	210,469
Municipal/Public Bonds	29,322	15,059	7,397	5,886	51	—	—	929
Asset-backed Securities	30,823	9,814	4,611	70	—	—	16,166	162
Bond Mutual Funds	254,225	—	47,820	—	—	—	—	206,405
Unit Investment Trusts	6,680	—	—	—	—	—	—	6,680
Non-government-backed CMOs	299	—	—	—	—	—	—	299
Repurchase Agreement: U.S. Agency	81,500	—	81,500	—	—	—	—	—
Securities Lending Cash Collateral Pool	2,923	—	—	—	—	—	—	2,923
Utah Public Treasurers' Investment Fund	804,894	—	—	—	—	—	—	804,894
	$ 4,264,356	$ 695,419	$1,349,228	$ 466,021	$ 207,511	$ 9,758	$ 16,166	$1,520,253

Custodial Credit Risk

Custodial credit risk for investments is the risk that, in the event of a failure of the counter party, the discrete component units will not be able to recover the value of the investment or collateral securities that are in the possession of an outside party. The discrete component units do not have a formal policy for custodial credit risk.

The various discrete component units' investments at June 30, 2019, were held by the discrete component unit or in the name of the discrete component unit by the discrete component unit's custodial bank or trustee, except the following, which were uninsured, were not registered in the name of the discrete component unit, and were held by other entities, as listed below (expressed in thousands):

Counterparty	
U.S. Treasuries	$ 108,704
U.S. Agency – full faith	$ 375
U.S. Agencies	$ 1,954,566
Corporate Debt	$ 294,500
Municipal/Public Bonds	$ 23,402
Unit Investment Trusts	$ 6,680
Domestic Equity	$ 1,313
Equity Securities	$ 40,016
Investments Measured at the Net Asset Value	$ 133
Counterparty's Trust Department or Agent	
U.S. Treasuries	$ 3,253
U.S. Agencies	$ 69,867
Corporate Debt	$ 133,589

Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. Except for Public Employees Health Program (PEHP) (major discrete component unit), the discrete component units' policy for reducing this risk of loss is the same as described above for the primary government funds complying with the State's Money Management Act or as applicable for endowments the UPMIFA, Rule 541, or separate endowment investment policies, which have been approved by their boards of trustees and by the Board of Regents. Rule 17 of the Money Management Council limits non-endowment fund investments in a single issuer of commercial paper and corporate obligations to 5–10 percent depending upon the total dollar amount held in the portfolio. For endowment funds, Rule 541 requires that a minimum of 25 percent of the overall endowment portfolio be invested in fixed income or cash equivalents. Also, the overall endowment portfolio cannot consist of more than 75 percent equity investments. Rule 541 also limits investments in alternative investment funds to between 0 and 30 percent based on the size of the endowment fund.

PEHP's policy limits the amount that may be invested in any one issuer to between 2 and 5 percent, depending on the credit rating of the security. There is no limit to investments in U.S. Government Securities. All investments are within policy limits.

The University of Utah held more than 5 percent of its total investments in the Federal Home Loan Bank, the Federal Home Loan Mortgage Corporation, the Federal Farm Credit Bank, and the Federal Agricultural Mortgage Corporation. These investments represent 24.70 percent, 7.60 percent, 6.40 percent, and 6.10 percent, respectively, of the University's total investments.

Utah State University held more than 5 percent of total investments in securities of the Federal Home Loan Bank and Federal Farm Credit Bank. These investments represent 7.91 percent and 8.78 percent respectively of the total investments.

Salt Lake Community College held more than 5 percent of total investments in securities of Federal Home Loan Mortgage Corporation, Federal Home Loan Bank, Federal Farm Credit Bank, Federal National Mortgage Association, and Federal Agriculture Mortgage Corporation. These investments represent 12.40 percent, 10.70 percent, 8.30 percent, 7.60 percent, and 6.90 percent, respectively, of the College's total investments. These investments represent 45.90 percent of the Colleges total investments.

Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. The discrete component units do not have a formal policy to limit foreign currency risk.

University of Utah's exposure to foreign currency risk is $10.959 million in private real estate investments that are held in Euro currency denomination.

Dixie State University held investments in international equity funds of $1.935 million, and as such, no foreign currency risk is presented.

E. Securities Lending

Utah Retirement Systems (URS) (pension trust and defined contribution plans), Public Employees Health Program (PEHP) (major discrete component unit) and Trust Lands (permanent fund) participate in security lending programs as authorized by their Boards. Under these programs, securities are transferred to an independent broker or dealer in exchange for collateral in the form of cash, government securities, and for URS and Trust Lands, irrevocable bank letters of credit equal to approximately 102 percent of the fair value of the domestic securities on loan and 105 percent of the fair value of the international securities on loan, and for PEHP 102 percent of the fair value of the domestic securities on loan, with simultaneous agreements to return the collateral for the same securities in the future. For all three state entities, their custodial bank is the agent for each of their securities lending programs. URS securities under loan are maintained in the financial records, and corresponding liabilities are recorded for the market value of the collateral received. PEHP and Trust Lands securities are classified as investments. For the state entities, a corresponding liability is recorded for the market value of the collateral received. For PEHP and Trust Lands, under provision of GASB Statement 28, collateral which cannot be pledged or sold is not recorded as investments nor is the related liability recorded in the financial statements. Pledged non-cash collateral was $1.996 million and $53.962 million for PEHP and Trust Lands, respectively.

At yearend, URS, PEHP and Trust Lands had no credit risk exposure to borrowers because the collateral exceeded the amount borrowed. The securities on loan at yearend for the entities were $993.228 million for URS, $2.792 million for PEHP, and $126.953 million for Trust Lands. Collateral received for those securities on loan was $1.058 billion for URS, $2.923 million for PEHP, and $131.712 million for Trust Lands. Under the terms of the lending agreement, all three state entities are indemnified against loss should the lending agent be unable to recover borrowed securities and distributions due to borrower insolvency or failure of the lending agent to properly evaluate the credit worthiness of the borrower. In addition, they are indemnified against loss should the lending agent fail to demand adequate and appropriate collateral on a timely basis. All securities loaned can be terminated on demand by either the state entity or the borrower. Cash collateral is invested in the lending agent's short-term investment pool.

Regarding URS and PEHP, the short-term investment pool guidelines specify that a minimum of 20 percent of the invested cash collateral is to be available each business day and that the dollar-weighted average maturity of holdings should not exceed 60 days. The relationship between the maturities of the short-term investment pool and each of the state entities' loans is affected by the maturities of the securities loans made by other entities that use the agent's pool, which the state entities cannot determine. Because the securities lending collateral is in a pool maintained by the custodial bank, the state entities do not have the ability to pledge or sell the securities, and it is not necessary to report the total income and expenses of securities lending. Trust Lands' average term of securities loans was 74 days.

F. Derivative Instruments

Utah Retirement Systems

The Utah Retirement Systems (URS) (pension trust and defined contribution plans) invests in derivative instruments as authorized by Board policy. Derivative instruments are financial arrangements between two parties whose payments are based on, or "derived" from, the performance of some agreed-upon benchmark. All derivative instruments are considered investments. The fair value of all derivative instruments is reported in the Statements of Fiduciary Net Position–Pension and Other Employee Benefit Trust Funds. Within the investment asset class, swaptions are recorded in debt securities. By policy, portfolio liabilities associated with investments will be backed by cash equivalents or deliverable securities. URS does not have a policy regarding master netting arrangements. At December 31, 2018, URS had five types of derivative instruments: futures, currency forwards, options, swaps, and Synthetic Guaranteed Investment Contracts (SGIC).

Futures represent commitments to purchase (asset) or sell (liability) securities at a future date and at a specified price. Futures contracts are traded on organized exchanges (exchange traded) thereby minimizing URS' credit risk. The net change in the futures contracts value is settled daily in cash with the exchanges. Net gains or losses resulting from the daily settlements are included with trading account securities gains in the Statement of Changes in Fiduciary Net Position. At December 31, 2018, URS' investments had the following notional futures balances as shown in the following table:

Utah Retirement Systems
(pension trust and defined contribution plans)
Futures — Notional Market Value
At December 31, 2018
(expressed in thousands)

	Defined Benefit Plans	Defined Contribution Plans
Cash and Cash Equivalent		
Long	$ —	$ —
Short	(90,724)	—
Equity		
Long	106,895	—
Short	(72,151)	—
Fixed Income		
Long	765,935	43,327
Short	(728,552)	(62,298)
Total Futures	$ (18,597)	$ (18,971)

Currency forwards represent forward foreign exchange contracts that are entered into in order to hedge the exposure to changes in foreign currency exchange rates on the foreign currency denominated portfolio holdings. A forward foreign exchange contract is a commitment to purchase or sell a foreign currency at a future date at a negotiated forward rate. The gain or loss arising from the difference between the original contracts and the closing of such contracts is included in net realized gains or losses on foreign currency related transactions in the Combining Statement of Fiduciary Net Position–Pension. At December 31, 2018, URS investments included the following currency forwards balances as shown in the following table:

(Table on next page)

Utah Retirement Systems
(pension trust and defined contribution plans)
Currency Forwards
December 31, 2018
(expressed in thousands)

Defined Benefit Plans

Currency	Notional Cost	Pending Foreign Exchange Purchases	Pending Foreign Exchange Sales	Fair Value
Argentine peso	$ (2,094)	$ 765	$ (2,902)	$ (2,137)
Australian dollar	(14,006)	11,989	(25,383)	(13,394)
Brazilian real	1,972	1,985	—	1,985
British pound sterling	(332,404)	32,305	(363,949)	(331,644)
Canadian dollar	(51,435)	5,389	(55,506)	(50,117)
Chilean peso	501	1,947	(1,410)	537
Colombian peso	1,530	1,540	—	1,540
Czech koruna	11,416	11,495	—	11,495
Danish krone	(2,519)	—	(2,528)	(2,528)
Euro	(399,880)	15,404	(417,599)	(402,195)
Hong Kong dollar	(4,667)	3,766	(8,416)	(4,650)
Hungarian forint	(1,988)	973	(2,991)	(2,018)
Indian rupee	700	715	—	715
Indonesian rupiah	3,273	3,354	(38)	3,316
Japanese yen	(233,729)	10,507	(251,805)	(241,298)
Malaysian ringgit	(1,949)	—	(1,980)	(1,980)
Mexican peso	(3,702)	22,327	(25,969)	(3,642)
Israeli new shekel	(473)	—	(470)	(470)
New Romanian leu	(3,678)	—	(3,696)	(3,696)
New Zealand dollar	(59,941)	176	(58,770)	(58,594)
Norwegian krone	12,847	12,716	—	12,716
Peruvian nuevo sol	(3,842)	—	(3,842)	(3,842)
Philippine peso	(3,645)	36	(3,696)	(3,660)
Russian ruble	1,913	1,839	—	1,839
Singapore dollar	2,058	2,946	(887)	2,059
South Korean won	(25,985)	21	(26,179)	(26,158)
Swedish krona	(1,097)	13,087	(14,170)	(1,083)
Swiss franc	625	2,571	(1,970)	601
Thai baht	(1,880)	—	(1,899)	(1,899)
United States dollar	1,112,079	1,262,229	(150,149)	1,112,080
Total Forwards Subject to Foreign Currency Risk	$ 0	$ 1,420,082	$ (1,426,204)	$ (6,122)

Defined Contribution Plans

Currency	Notional Cost	Pending Foreign Exchange Purchases	Pending Foreign Exchange Sales	Fair Value
Argentine peso	$ (569)	$ —	$ (581)	$ (581)
Australian dollar	(7,302)	1,723	(8,827)	(7,104)
Brazilian real	436	439	—	439
British pound sterling	(14,916)	1,309	(16,243)	(14,934)
Canadian dollar	(5,755)	131	(5,750)	(5,619)
Chilean peso	210	382	(169)	213
Colombian peso	159	160	—	160
Czech koruna	2,187	2,202	—	2,202
Danish krone	(303)	—	(304)	(304)
Euro	(81,036)	126	(81,575)	(81,449)
Hong Kong dollar	(1,412)	—	(1,409)	(1,409)
Hungarian forint	(483)	—	(488)	(488)
Indian rupee	210	214	—	214
Indonesian rupiah	538	545	—	545
Japanese yen	(44,997)	312	(46,752)	(46,440)
Malaysian ringgit	(377)	—	(382)	(382)
Mexican peso	(723)	627	(1,377)	(750)
Israeli new shekel	(176)	—	(175)	(175)
New Romanian leu	(727)	—	(731)	(731)
New Zealand dollar	(7,512)	—	(7,345)	(7,345)
Norwegian krone	2,834	2,804	—	2,804
Peruvian nuevo sol	(739)	—	(739)	(739)
Philippine peso	(728)	—	(731)	(731)
Russian ruble	376	361	—	361
Singapore dollar	462	463	—	463
South Korean won	(2,982)	—	(3,014)	(3,014)
Swedish krona	(582)	430	(1,022)	(592)
Thai baht	(552)	—	(558)	(558)
United States dollar	164,459	176,096	(11,634)	164,462
Total Forwards Subject to Foreign Currency Risk	$ 0	$ 188,324	$ (189,806)	$ (1,482)

At December 31, 2018, URS investments had the following option balances as shown in the table below.

Utah Retirement Systems
(pension trust and defined contribution plans)
Options
At December 31, 2018
(expressed in thousands)

	Defined Benefit Plans	Defined Contribution Plans
Cash and Cash Equivalent		
Call	$ 328	$ 41
Put	236	46
Equity		
Call	—	—
Put	4,478	—
Fixed Income		
Call	(282)	(8)
Put	(16)	(5)
Swaptions		
Call	(2,713)	(47)
Put	(665)	—
Interest Rate Contracts	173	5
Total Options	$ 1,539	$ 32

Options represent or give buyers the right, but not the obligation, to buy (call) or sell (put) an asset at a preset price over a specified period. The option's price is usually a small percentage of the underlying asset's value. As a writer of financial options, URS receives a premium at the outset of the agreement and bears the risk of an unfavorable change in the price of the financial instrument underlying the option. As a purchaser of financial options, URS pays a premium at the outset of the agreement and the counterparty bears the risk of an unfavorable change in the price of the financial instrument underlying the option.

URS has entered into various inflation, credit default, and interest rate swap agreements in an attempt to manage their exposure to inflation, credit, and interest rate risk. Interest rate and inflation risk represents the exposure to fair value losses arising from the future changes in prevailing market interest rates. Credit risk is an investor's risk of loss arising from a borrower who does not make payments as promised. Swaps represent an agreement between two or more parties to exchange sequences of cash flows over a period in the future. In the most common type of interest rate swap arrangement, one party agrees to pay fixed interest payments on designated dates to a counter party who, in turn, agrees to make return interest payments that float with some reference rate. The real estate interest rate swaps allowed URS to effectively convert most of its long-term variable interest rate credit facility loans into fixed interest rate loans, thereby mitigating some of its interest rate risk. All swap instruments contain collateral clauses. Gains and losses on swaps are determined based on fair values and are recorded in the Combining Statement of Fiduciary Net Position-Pension. Swap fair values are determined by an independent third party.

As of December 31, 2018, URS' investments had the swap market value balances as shown in the following table:

Utah Retirement Systems
(pension trust and defined contribution plans)
Fixed Income Portfolio Swaps
At December 31, 2018
(dollars expressed in thousands)

	Notional Amount	URS Rate	Counterparty Rate	Maturity Date	Credit Rating	Fair Value
Defined Benefit						
Goldman Sachs	$ 125,000	3M LIBOR	1.8%	9/18/20	A+	$ (1,196)
Bank of America	32,940	2.23%	CPI	9/18/20	A-	(542)
Bank of America	19,930	(0.14)%	6M EURIB	11/12/20	A-	(17)
Bank of America	12,810	(0.16)%	6M EURIB	11/12/20	A-	(4)
Bank of America	7,120	(0.17)%	6M EURIB	11/12/20	A-	(2)
Goldman Sachs	44,810	(0.14)%	6M EURIB	12/11/20	A+	(38)
Goldman Sachs	28,810	0.16%	6M EURIB	12/11/20	A+	(10)
Goldman Sachs	16,000	(0.17)%	6M EURIB	12/11/20	A+	(4)
Goldman Sachs	57,050	2.86%	3M LIBOR	12/31/20	A+	(219)
Goldman Sachs	48,560	2.77%	3M LIBOR	12/31/20	A+	(112)
Bank of America	25,330	2.86%	3M LIBOR	12/31/20	A-	(97)
Bank of America	21,680	2.77%	3M LIBOR	12/31/20	A-	(50)
Bank of America	4,460	3M LIBOR	3.07%	11/22/21	A-	47
Goldman Sachs	940	3M LIBOR	3.02%	12/3/21	A+	9
Bank of America	4,310	3M LIBOR	3.02%	12/3/21	A-	42
Bank of America	4,310	3M LIBOR	3.02%	12/3/21	A-	42
Goldman Sachs	15,280	3M LIBOR	2.98%	12/6/21	A+	141
Bank of America	10,460	3M LIBOR	2.98%	12/6/21	A-	93
Goldman Sachs	2,995	3M LIBOR	2.9%	12/9/21	A+	22
Bank of America	4,395	3M LIBOR	2.89%	12/10/21	A-	32
Bank of America	7,580	3M LIBOR	2.84%	12/10/21	A-	47
Bank of America	8,790	3M LIBOR	2.93%	12/10/21	A-	70
Goldman Sachs	9,870	3M LIBOR	2.89%	12/10/21	A+	72
Goldman Sachs	19,740	3M LIBOR	2.93%	12/10/21	A+	157
Goldman Sachs	9,870	3M LIBOR	2.82%	12/12/21	A+	58
Bank of America	1,265	3M LIBOR	2.82%	12/12/21	A-	8
Bank of America	3,300	3M LIBOR	2.78%	12/12/21	A-	17
Bank of America	4,395	3M LIBOR	2.82%	12/12/21	A-	26
Goldman Sachs	7,430	3M LIBOR	2.78%	12/12/21	A+	39
Goldman Sachs	7,420	3M LIBOR	2.82%	12/12/21	A+	45
Goldman Sachs	7,965	3M LIBOR	2.89%	12/16/21	A+	58
Bank of America	4,390	3M LIBOR	2.85%	12/17/21	A-	28
Goldman Sachs	9,910	3M LIBOR	2.85%	12/17/21	A+	64
Bank of America	4,390	3M LIBOR	2.81%	12/19/21	A-	25
Goldman Sachs	9,900	3M LIBOR	2.81%	12/19/21	A+	57
Bank of America	6,600	3M LIBOR	2.75%	12/20/21	A-	31
Goldman Sachs	14,900	3M LIBOR	2.75%	12/20/21	A+	70
Bank of America	8,510	3M LIBOR	2.77%	12/23/21	A-	33
Goldman Sachs	19,150	3M LIBOR	2.77%	12/23/21	A+	75
Bank of America	4,235	3M LIBOR	2.59%	12/30/21	A-	7
Goldman Sachs	9,580	3M LIBOR	2.59%	12/30/21	A+	16
Goldman Sachs	9,590	3M LIBOR	2.64%	12/30/21	A+	26
Bank of America	4,230	3M LIBOR	2.64%	12/30/21	A-	11
Bank of America	2,120	3M LIBOR	2.6%	12/31/21	A-	4
Bank of America	2,120	3M LIBOR	2.59%	12/31/21	A-	4
Goldman Sachs	4,780	3M LIBOR	2.59%	12/31/21	A+	8
Goldman Sachs	4,780	3M LIBOR	2.6%	12/31/21	A+	9
Goldman Sachs	2,315	3M LIBOR	2.56%	1/3/22	A+	3
Bank of America	5,800	3M LIBOR	2.56%	1/3/22	A-	6
Goldman Sachs	142,960	3.02%	3M LIBOR	9/14/22	A+	(675)
Goldman Sachs	44,710	3.06%	3M LIBOR	9/14/22	A+	(228)
Bank of America	27,839	3M LIBOR	2.23%	10/6/22	A-	(335)
Goldman Sachs	20,375	3.12%	3M LIBOR	10/6/22	A+	(245)
Goldman Sachs	17,580	0.42%	6M EURIB	12/17/22	A+	(58)
Bank of America	7,790	0.42%	6M EURIB	12/17/22	A-	(26)
Bank of America	2,779	3M LIBOR	2.83%	12/17/22	A-	18
Goldman Sachs	6	3M LIBOR	2.83%	12/17/22	A+	40
Bank of America	3,895	6M EURIB	0.36%	12/21/22	A-	8
Goldman Sachs	6,760	6M EURIB	0.36%	12/21/22	A+	13
Bank of America	6,550	6M EURIB	2.64%	12/22/22	A-	21
Bank of America	12,360	3M LIBOR	2.63%	12/22/22	A-	33

Utah Retirement Systems
(pension trust and defined contribution plans)
Fixed Income Portfolio Swaps
At December 31, 2018
(dollars expressed in thousands)

	Notional Amount	URS Rate	Counterparty Rate	Maturity Date	Credit Rating	Fair Value
Defined Benefit – Continued						
Bank of America	$ 12,360	3M LIBOR	2.65%	12/22/22	A-	$ 37
Bank of America	10,320	3M LIBOR	2.7%	12/22/22	A-	39
Bank of America	9,010	3M LIBOR	2.73%	12/22/22	A-	41
Goldman Sachs	14,740	3M LIBOR	2.64%	12/22/22	A+	41
Goldman Sachs	23,830	3M LIBOR	2.63%	12/22/22	A+	63
Goldman Sachs	23,830	3M LIBOR	2.65%	12/22/22	A+	72
Goldman Sachs	20,360	3M LIBOR	2.73%	12/22/22	A+	92
Goldman Sachs	39,610	3M LIBOR	2.7%	12/22/22	A+	151
Bank of America	32,830	1.38%	CPTFE	4/15/23	A-	(107)
Bank of America	6,296,410	6M LIBOR	0.13%	4/26/23	A-	297
Bank of America	10,820	3.26%	RPI	5/15/23	A-	303
Bank of America	27,250	1DFFUND	2.68%	5/31/23	A-	442
Goldman Sachs	61,430	1DFFUND	2.68%	5/31/23	A+	997
Bank of America	12,660	1.55%	CPTFE	7/15/23	A-	(270)
Bank of America	3,300	RPI	3.36%	8/15/23	A-	(617)
Bank of America	1,880	3.36%	RPI	8/15/23	A-	216
Bank of America	17,280	3.35%	RPI	8/15/23	A-	227
Bank of America	17,280	3.48%	RPI	9/15/23	A-	39
Goldman Sachs	7,860	3.45%	RPI	10/15/23	A+	(30)
Bank of America	17,280	3.45%	RPI	10/15/23	A-	(13)
Bank of America	32,940	RPI	3.45%	10/15/23	A-	13
Goldman Sachs	10,820	3.41%	RPI	10/15/23	A+	15
Goldman Sachs	3,310	CPI	2.16%	10/30/23	A+	266
Goldman Sachs	1,615	CPI	2.16%	10/30/23	A+	608
Goldman Sachs	38,428	3.05%	3M LIBOR	11/29/23	A+	(840)
Bank of America	25,951	3.05%	3M LIBOR	11/29/23	A-	(567)
Bank of America	1,460	3.58%	RPI	12/15/23	A-	(37)
Bank of America	250	—%	—%	12/20/23	A-	14
Goldman Sachs	15,290	5%	1%	12/20/23	A+	60
Goldman Sachs	53,240	2.92%	3M LIBOR	7/19/24	A+	(283)
Bank of America	23,720	2.92%	3M LIBOR	7/19/24	A-	(126)
Goldman Sachs	7,010	3.02%	3M LIBOR	12/3/24	A+	(145)
Bank of America	3,064	3.02%	3M LIBOR	12/3/24	A-	(63)
Bank of America	35,162	3M LIBOR	2.9%	12/10/24	A-	533
Goldman Sachs	15,010	2.87%	3M LIBOR	12/16/24	A+	(208)
Bank of America	6,530	2.87%	3M LIBOR	12/16/24	A-	(90)
Goldman Sachs	13,154	2.9%	3M LIBOR	12/19/24	A+	(58)
Bank of America	5,839	2.9%	3M LIBOR	12/19/24	A-	(26)
Goldman Sachs	6,190	2.78%	3M LIBOR	12/20/24	A+	(58)
Bank of America	2,740	2.78%	3M LIBOR	12/20/24	A-	(26)
Goldman Sachs	7,940	2.74%	3M LIBOR	12/23/24	A+	(61)
Bank of America	3,530	2.74%	3M LIBOR	12/23/24	A-	(27)
Goldman Sachs	21,625	2.91%	3M LIBOR	12/7/25	A+	(291)
Bank of America	9,625	2.91%	3M LIBOR	12/7/25	A-	(129)
Goldman Sachs	12,035	2.72%	3M LIBOR	12/21/25	A+	(55)
Bank of America	5,325	2.72%	3M LIBOR	12/21/25	A-	(23)
Bank of America	12,500	3M LIBOR	2.98%	7/19/26	A-	35
Goldman Sachs	28,060	3M LIBOR	2.98%	7/19/26	A+	79
Goldman Sachs	6,912	3M LIBOR	3.05%	12/17/26	A+	22
Bank of America	723,570	0.27%	6M LIBOR	8/11/27	A-	(88)
Bank of America	12,660	3.46%	UK RPI	11/15/27	A-	97
Bank of America	3,300	RPI	3.41%	1/15/28	A-	(221)
Bank of America	1,510	6M EURIB	0.76%	2/15/28	A-	3
Goldman Sachs	3,390	6M EURIB	0.76%	2/15/28	A+	7
Bank of America	2,720	6M EURIB	0.78%	2/15/28	A-	11
Goldman Sachs	6,100	6M EURIB	0.78%	2/15/28	A+	25
Bank of America	4,230	6M EURIB	0.8%	2/15/28	A-	25
Goldman Sachs	9,490	6M EURIB	0.8%	2/15/28	A+	55
Bank of America	7,950	6M EURIB	0.82%	2/15/28	A-	59
Goldman Sachs	18,090	6M EURIB	0.82%	2/15/28	A+	135
Bank of America	19,230	6M EURIB	0.83%	2/15/28	A-	167
Bank of America	12,930	3.21%	3M BBR	3/19/28	A-	(512)
Bank of America	17,250	3.21%	3M BBR	3/20/28	A-	(683)
Bank of America	3,775	1.04%	6M EURIB	3/23/28	A-	(160)

Utah Retirement Systems
(pension trust and defined contribution plans)
Fixed Income Portfolio Swaps
At December 31, 2018
(dollars expressed in thousands)

	Notional Amount	URS Rate	Counterparty Rate	Maturity Date	Credit Rating	Fair Value
Defined Benefit – Continued						
Bank of America	$ 1,530,490	0.32%	6M LIBOR	4/27/28	A-	$ (235)
Bank of America	52,640	RPI	3.34%	6/15/28	A-	(110)
Goldman Sachs	2,180	3.05%	3M LIBOR	7/25/28	A+	(82)
Bank of America	980	3.05%	3M LIBOR	7/25/28	A-	(37)
Goldman Sachs	11,862	3.12%	3M LIBOR	8/15/28	A+	(403)
Bank of America	6,825	RPI	3.39%	8/15/28	A-	(219)
Bank of America	5,146	3.12%	3M LIBOR	8/15/28	A-	(175)
Bank of America	4,840	3M LIBOR	2.83%	8/15/28	A-	48
Goldman Sachs	10,980	3M LIBOR	2.83%	8/15/28	A+	109
Goldman Sachs	369	6M EURIB	0.88%	8/28/28	A+	6
Bank of America	760	6M EURIB	0.88%	8/28/28	A-	12
Bank of America	1,880	RPI	3.5%	9/15/28	A-	(104)
Goldman Sachs	19,030	3.12%	3M LIBOR	10/4/28	A+	(679)
Bank of America	250	3.12%	3M LIBOR	10/4/28	A-	(9)
Bank of America	5,580	3.27%	3M LIBOR	10/9/28	A-	(276)
Goldman Sachs	2,150	3.28%	3M LIBOR	10/9/28	A+	(108)
Bank of America	950	3.28%	3M LIBOR	10/9/28	A-	(48)
Bank of America	1,370	3M LIBOR	3.25%	10/9/28	A-	65
Goldman Sachs	3,110	3M LIBOR	3.25%	10/9/28	A+	148
Goldman Sachs	8,540	RPI	3.49%	10/15/28	A+	(43)
Bank of America	17,970	RPI	3.51%	10/15/28	A-	5
Goldman Sachs	1,565	RPI	3.51%	10/15/28	A+	10
Goldman Sachs	11,335	2.25%	CPI	10/30/28	A+	(924)
Bank of America	7,860	2.25%	CPI	10/30/28	A-	(404)
Bank of America	716,795	0.0035	6M LIBOR	11/1/28	A-	(138)
Goldman Sachs	5,508	3.27%	3M LIBOR	11/9/28	A+	(270)
Bank of America	2,450	3.27%	3M LIBOR	11/9/28	A-	(120)
Bank of America	14,510	3M LIBOR	3.14%	11/29/28	A-	539
Goldman Sachs	33,030	3M LIBOR	3.14%	12/29/28	A+	1,228
Goldman Sachs	5,590	1.37%	6M EURIB	2/20/29	A+	(333)
Bank of America	38,770	2.8%	3M BBR	3/20/29	A-	(9)
Bank of America	14,410	UKRPI	3.55%	11/15/32	A-	11
Bank of America	3,060	3M LIBOR	3%	2/15/36	A-	64
Goldman Sachs	7,040	3M LIBOR	3%	12/15/36	A+	148
Bank of America	3,800	UKRPI	3.6%	11/15/42	A-	212
Goldman Sachs	23,710	3.23%	3M LIBOR	5/15/44	A+	(1,582)
Bank of America	10,540	3.23%	3M LIBOR	5/15/44	A-	(703)
Goldman Sachs	5,117	3.09%	3M LIBOR	5/15/44	A+	(206)
Bank of America	2,195	3.09%	3M LIBOR	5/15/44	A-	(88)
Bank of America	220	EUR CPI	1.83%	5/15/47	A-	39
Bank of America	17,280	3.55%	RPI	11/15/47	A-	(346)
Bank of America	15,290	EUR P	1.97%	1/15/48	A-	104
Bank of America	1,605	EUR P	1.99%	1/15/48	A-	114
Bank of America	3,800	3.51%	RPI	2/15/48	A-	(104)
Bank of America	1,460	3.41%	RPI	3/15/48	A-	72
Bank of America	1,460	EUR P	1.98%	6/15/48	A-	110
Bank of America	3,310	RPI	3.44%	8/15/48	A-	(53)
Bank of America	18,825	3.43%	RPI	8/15/48	A-	7
Bank of America	17,970	EUR P	1.9%	12/15/48	A-	130
Goldman Sachs	1,810	3M LIBOR	3.08%	2/20/53	A+	60
Total Interest Rate and Credit Default Swaps - Defined Benefit	$ 11,589,746					$ (7,318)

Table continues on next page.

Utah Retirement Systems
(pension trust and defined contribution plans)
Fixed Income Portfolio Swaps
At December 31, 2018
(dollars expressed in thousands)

	Notional Amount	URS Rate	Counterparty Rate	Maturity Date	Credit Rating	Fair Value
Defined Contribution						
Credit Suisse First Boston	$ 1,500	2.23%	US CPI	9/18/20	BBB+	$ (24)
Credit Suisse First Boston	1,780	—%	6M EURIB	11/12/20	BBB+	(1)
Credit Suisse First Boston	2,300	2.86%	3M LIBOR	12/31/20	BBB+	(9)
Credit Suisse First Boston	1,950	2.77%	3M LIBOR	12/31/20	BBB+	(5)
Credit Suisse First Boston	960	3M LIBOR	2.98%	12/31/20	BBB+	8
Credit Suisse First Boston	410	3M LIBOR	3.07%	11/22/21	BBB+	4
Credit Suisse First Boston	400	3M LIBOR	3.02%	12/3/21	BBB+	4
Credit Suisse First Boston	400	3M LIBOR	3.02%	12/3/21	BBB+	4
Credit Suisse First Boston	400	3M LIBOR	2.89%	12/10/21	BBB+	3
Credit Suisse First Boston	800	3M LIBOR	2.93%	12/10/21	BBB+	6
Credit Suisse First Boston	300	3M LIBOR	2.82%	12/12/21	BBB+	2
Credit Suisse First Boston	400	3M LIBOR	2.85%	12/17/21	BBB+	2
Credit Suisse First Boston	400	3M LIBOR	2.82%	12/12/21	BBB+	2
Credit Suisse First Boston	400	3M LIBOR	2.81%	12/19/21	BBB+	2
Credit Suisse First Boston	600	3M LIBOR	2.75%	12/20/21	BBB+	3
Credit Suisse First Boston	800	3M LIBOR	2.71%	12/23/21	BBB+	3
Credit Suisse First Boston	395	3M LIBOR	2.59%	12/30/21	BBB+	1
Credit Suisse First Boston	400	3M LIBOR	2.64%	12/30/21	BBB+	1
Credit Suisse First Boston	2,087	3.12%	3M LIBOR	10/6/22	BBB+	(24)
Credit Suisse First Boston	710	0.42%	6M EURIB	12/17/22	BBB+	(2)
Credit Suisse First Boston	252	3M LIBOR	2.83%	12/17/22	BBB+	2
Credit Suisse First Boston	330	6M EURIB	0.36%	12/21/22	BBB+	1
Credit Suisse First Boston	610	3M LIBOR	2.64%	12/22/22	BBB+	2
Credit Suisse First Boston	975	3M LIBOR	2.63%	12/22/22	BBB+	3
Credit Suisse First Boston	820	3M LIBOR	2.73%	12/22/22	BBB+	4
Credit Suisse First Boston	975	3M LIBOR	2.65%	12/22/22	BBB+	3
Credit Suisse First Boston	815	1.38%	EUR CPI	4/15/23	BBB+	(10)
Credit Suisse First Boston	498,280	6M LIBOR	0.13%	4/26/23	BBB+	22
Credit Suisse First Boston	1,395	3.26%	UK RPI	5/15/23	BBB+	24
Credit Suisse First Boston	2,550	1DFF	2.68%	5/31/23	BBB+	41
Credit Suisse First Boston	980	1.55%	EUR CPI	7/15/23	BBB+	(19)
Credit Suisse First Boston	4,035	UK RPI	3.36%	8/15/23	BBB+	(47)
Credit Suisse First Boston	1,695	3.36%	UK RPI	8/15/23	BBB+	20
Credit Suisse First Boston	1,695	3.35%	UK RPI	8/15/23	BBB+	20
Credit Suisse First Boston	1,395	3.48%	UK RPI	9/15/23	BBB+	3
Credit Suisse First Boston	820	UK RPI	3.45%	10/15/23	BBB+	1
Credit Suisse First Boston	715	3.45%	UK RPI	10/15/23	BBB+	(1)
Credit Suisse First Boston	1,315	US CPI	2.16%	10/30/23	BBB+	24
Credit Suisse First Boston	2,482	3.05%	3M LIBOR	11/29/23	BBB+	(60)
Credit Suisse First Boston	2,482	3.05%	3M LIBOR	11/29/23	BBB+	6
Credit Suisse First Boston	250	3.21%	1.97%	12/20/23	BBB+	13
Credit Suisse First Boston	750	3.21%	1.8%	12/20/23	BBB+	16
Credit Suisse First Boston	2,150	2.92%	3M LIBOR	7/19/24	BBB+	(12)
Credit Suisse First Boston	330	2.87%	3M LIBOR	12/16/24	BBB+	(4)
Credit Suisse First Boston	529	2.9%	3M LIBOR	12/19/24	BBB+	(2)
Credit Suisse First Boston	250	2.78%	3M LIBOR	12/20/24	BBB+	(2)
Credit Suisse First Boston	330	2.74%	3M LIBOR	12/23/24	BBB+	(2)
Credit Suisse First Boston	875	2.91%	3M LIBOR	12/7/25	BBB+	(12)
Credit Suisse First Boston	500	2.71%	3M LIBOR	12/21/25	BBB+	(2)
Credit Suisse First Boston	1,810	6M EURIB	0.83%	7/19/26	BBB+	15
Credit Suisse First Boston	1,130	3M LIBOR	2.98%	7/19/26	BBB+	3
Credit Suisse First Boston	228	3M LIBOR	3.05%	12/17/26	BBB+	1
Credit Suisse First Boston	59,100	0.27%	6M LIBOR	8/11/27	BBB+	(7)
Credit Suisse First Boston	925	3.46%	UK RPI	11/15/27	BBB+	8
Credit Suisse First Boston	1,050	UK RPI	3.41%	1/15/28	BBB+	(19)
Credit Suisse First Boston	220	6M EURIB	0.78%	2/15/28	BBB+	1
Credit Suisse First Boston	340	6M EURIB	0.8%	2/15/28	BBB+	2
Credit Suisse First Boston	850	6M EURIB	0.82%	2/15/28	BBB+	6

Utah Retirement Systems
(pension trust and defined contribution plans)
Fixed Income Portfolio Swaps
At December 31, 2018
(dollars expressed in thousands)

	Notional Amount	URS Rate	Counterparty Rate	Maturity Date	Credit Rating	Fair Value
Defined Contribution – Continued						
Bank of America	$ 2,150	3.21%	3M LIBOR	3/19/28	A-	$ (85)
Bank of America	2,150	3.21%	3M NDBBB3	3/19/28	A-	1
Bank of America	2,860	3.21%	3M NDBBB4	3/19/28	A-	1
Bank of America	2,860	3.21%	3M LIBOR	3/20/28	A-	(112)
Credit Suisse First Boston	290	1.04%	6M EURIB	3/23/28	BBB+	(12)
Credit Suisse First Boston	118,900	0.32%	6M LIBOR	4/27/28	BBB+	(18)
Credit Suisse First Boston	140	UK RPI	3.34%	6/15/28	BBB+	(5)
Credit Suisse First Boston	90	3.05%	3M LIBOR	7/25/28	BBB+	(4)
Credit Suisse First Boston	770	UK RPI	3.39%	8/15/28	BBB+	(20)
Credit Suisse First Boston	522	3.12%	3M LIBOR	8/15/28	BBB+	(18)
Credit Suisse First Boston	390	3M LIBOR	3.05%	8/15/28	BBB+	4
Credit Suisse First Boston	40	6M EURIB	0.88%	8/28/28	BBB+	1
Credit Suisse First Boston	1,395	UK RPI	3.5%	9/15/28	BBB+	(9)
Credit Suisse First Boston	130	3M LIBOR	3.05%	10/9/28	BBB+	7
Credit Suisse First Boston	90	3.28%	3M LIBOR	10/9/28	BBB+	(5)
Credit Suisse First Boston	130	3M LIBOR	3.25%	10/9/28	BBB+	(1)
Credit Suisse First Boston	460	3.27%	3M LIBOR	10/9/28	BBB+	(25)
Credit Suisse First Boston	90	3.28%	3M LIBOR	10/9/28	BBB+	1
Credit Suisse First Boston	460	3.27%	3M LIBOR	10/9/28	BBB+	3
Credit Suisse First Boston	1,315	2.25%	US CPI	10/30/28	BBB+	(35)
Credit Suisse First Boston	59,140	0.35%	6M LIBOR	11/1/28	BBB+	(11)
Credit Suisse First Boston	225	3.27%	3M LIBOR	11/9/28	BBB+	(12)
Credit Suisse First Boston	225	3.27%	3M LIBOR	11/9/28	BBB+	1
Credit Suisse First Boston	1,330	3M LIBOR	3.14%	11/29/28	BBB+	(3)
Credit Suisse First Boston	1,330	3.14%	3M LIBOR	11/29/28	BBB+	52
Credit Suisse First Boston	3,450	2.8%	3M LIBOR	3/20/29	BBB+	(20)
Credit Suisse First Boston	115	EUR CPI	1.83%	5/15/47	BBB+	3
Credit Suisse First Boston	555	3.55%	UK RPI	11/15/47	BBB+	(28)
Credit Suisse First Boston	925	UK RPI	3.55%	11/15/32	BBB+	1
Credit Suisse First Boston	270	3M LIBOR	3.25%	2/15/36	BBB+	6
Credit Suisse First Boston	555	UK RPI	3.6%	11/15/42	BBB+	17
Credit Suisse First Boston	880	3.23%	3M LIBOR	5/15/44	BBB+	(60)
Credit Suisse First Boston	120	EUR CPI	1.97%	1/15/48	BBB+	8
Credit Suisse First Boston	120	EUR CPI	1.99%	1/15/48	BBB+	9
Credit Suisse First Boston	265	UK RPI	3.51%	2/15/48	BBB+	8
Credit Suisse First Boston	255	3.51%	UK RPI	2/15/48	BBB+	(8)
Credit Suisse First Boston	120	3.41%	UK RPI	3/15/48	BBB+	6
Credit Suisse First Boston	125	EUR CPI	1.98%	6/15/48	BBB+	9
Credit Suisse First Boston	145	2.8%	EUR CPI	7/15/48	BBB+	(12)
Credit Suisse First Boston	170	UK RPI	3.44%	8/15/48	BBB+	(5)
Credit Suisse First Boston	60	EUR CPI	1.95%	8/15/48	BBB+	3
Credit Suisse First Boston	260	3.47%	UK RPI	9/15/48	BBB+	2
Credit Suisse First Boston	300	EUR CPI	1.9%	12/15/48	BBB+	10
Total Interest Rate and Credit Default Swaps - Defined Contribution	$ 819,797					$ (333)
Grand Total Interest Rate and Credit Default Swaps	$ 12,409,543					$ (7,651)

3M LIBOR - Three Month London Interbank Offered Rate
6M LIBOR - Six Month London Interbank Offered Rate
RPI - Retail Price Index
1DF FUND - One Day Federal Funds Rate
3M BBR – New Zealand Base Bank Rate
6M EURIB - Six Month Europe Interbank Offered Rate
EUR CPI – European Consumer Price Index
UK RPI – United Kingdom Retail Price Index
EUR P CPTFE - Eurostat Eurozone HICP Ex Tobacco (Unrevised)

Utah Retirement Systems
(pension trust and defined contribution plans)
Real Estate Portfolio Interest Swaps
At December 31, 2018
(dollars expressed in thousands)

	Defined Benefit					
	Notional Amount	**URS Rate**	**Counterparty Rate**	**Maturity Date**	**Credit Rating**	**Fair Value**
Morgan Stanley	$ 71,700	4.720%	1M LIBOR	10/1/20	BBB+	$ (2,910)
Morgan Stanley	43,660	5.294%	1M LIBOR	11/1/21	BBB+	(3,574)
Total Real Estate Swaps	$ 115,360					$ (6,484)

Derivative instruments that are exchange traded are not subject to credit risk. No derivative instruments held are subject to custodial credit risk. The maximum loss that would be recognized as of December 31, 2018, if all counterparties fail to perform as contracted, was $1.632 billion. Derivative instrument credit risk at fair value is shown in the table below.

Utah Retirement Systems
(pension trust and defined contribution plans)
Credit Risk Derivative Instruments at Fair Value
At December 31, 2018
(expressed in thousands)

Quality Rating	Forwards	Options	Swaps	Total
AA+	$ (262)	$ —	$ —	$ (262)
AA-	(466)	—	—	(466)
A+	(315)	433	—	118
A	(334)	411	—	77
A-	(435)	1,226	(1,778)	(987)
BBB+	(141)	(1,687)	(103)	(1,931)
BBB	(5,148)	(3,127)	—	(8,275)
BBB-	(487)	—	—	(487)
NA	(14)	4,315	361	4,662
Total Subject to Credit Risk	$ (7,602)	$ 1,571	$ (1,520)	$ (7,551)

This maximum exposure is reduced by $1.644 billion of liabilities, resulting in $0 exposure to credit risk. Credit ratings for the wrap contracts associated with the Synthetic Guaranteed Investment Contracts (SGICs) are noted in a subsequent table. As of December 31, 2018, the counterparties' credit ratings for currency forwards, options, and swaps are subject to credit risk.

URS Defined Contribution Plans members are able to participate in SGICs. The SGICs are fully benefit responsive, which means that URS is prohibited from assigning and selling the contract or its proceeds to a third party without the consent of the issuer. Prospective interest crediting rate adjustments are provided to plan participants. The SGICs provide assurance that the probability of future rate adjustments resulting in an interest crediting rate less than zero is remote. The underlying investments are high credit quality averaging A+ and therefore credit loss is remote. The terms of the SGICs require all plan participants to initiate transactions within the fund at contract value. The contract value is the fair value (cost plus accrued interest). The fair value of these contracts as of December 31, 2018, was $950.049 million and the market value was $944.737 million. Credit ratings for the wrap contracts associated with the SGICs are also noted below.

Utah Retirement Systems
(pension trust and defined contribution plans)
Synthetic Guaranteed Investment Contracts Underlying Investments
At December 31, 2018
(dollars expressed in thousands)

	1–5 Yr. Government/Credit Bond				Intermediate Government/Credit Bond				MetLife Separate Account				Total Underlying Investments	
	Fair Value	**Market Value**	**Duration**	**Credit Rating**	**Fair Value**	**Market Value**	**Duration**	**Credit Rating**	**Fair Value**	**Market Value**	**Duration**	**Credit Rating**	**Fair Value**	**Market Value**
Asset–backed Securities	$ 99,295	$ 98,526	1.27	AAA	$ 39,569	$ 39,263	1.39	AAA	$ 47,931	$ 48,062	1.32	AAA	$186,795	$185,851
Agencies	49,874	49,488	2.19	AA+	33,201	32,944	3.83	AA+	11,714	11,746	2.60	AA+	94,789	94,178
Corporates	153,653	152,463	3.65	A-	102,439	101,646	4.87	A-	69,427	69,616	1.85	A-	325,519	323,725
Government Mortgage – backed Securities	40,724	40,408	3.06	AA+	24,085	23,899	3.83	AA+	6,052	6,069	2.60	AA+	70,861	70,376
U.S. Treasuries	45,253	44,903	3.98	AA+	60,606	60,137	7.01	AA+	23,468	23,532	3.13	AA+	129,327	128,572
Commercial Mortgage – backed Securities	59,296	58,837	1.31	AA+	38,422	38,125	1.33	AA+	33,913	34,005	1.50	AA+	131,631	130,967
Cash	4,892	4,854	—	—	3,501	3,474	—	—	2,734	2,740	—	—	11,127	11,068
Total	$452,987	$449,479			$301,823	$299,488			$195,239	$195,770			$950,049	$944,737

Utah Retirement Systems
(pension trust and defined contribution plans)
Wrap Contracts
At December 31, 2018
(dollars expressed in thousands)

Contract Issuer	Fair Value	Market Value	Rate	Duration	Quality Ratings
American General	$ 86,295	$ 85,701	2.49%	3.08	A+
Lincoln National Life	118,535	117,257	2.28%	3.08	AA-
MetLife	195,239	195,770	3.40%	1.85	AA-
Transamerica	189,467	188,331	2.16%	3.08	AA-
Pacific Life	206,054	203,770	2.91%	3.08	AA-
Royal Bank of Canada	154,459	153,908	2.76%	3.08	AA-
Subtotal Wrap Contracts	950,049	944,737			
Merrill Lynch Repurchase	74,164	74,164			
Total	$ 1,024,213	$ 1,018,901			

Trust Lands

Trust Lands (permanent fund) invests in derivative instruments through external investment managers retained by the Board and subject to investment management agreements and other policy requirements. Derivative instruments are financial arrangements between two parties whose payments are based on, or "derived" from, the performance of some agreed-upon benchmark. All derivative instruments are considered investments. The fair value of all derivative instruments is reported in the Statement of Net Position. Trust Lands does not have a formal policy for derivative instruments.

As of June 30, 2019, Trust Lands had the following exposure types classified within Derivative Instruments: Equity Rights/Warrants, Currency Forwards, Options, Swaps, and Futures as shown in the table below.

Trust Lands
(permanent fund)
Derivative Financial Instruments
June 30, 2019
(*expressed in thousands)*

Risk Type	Gross Notional Value	Asset Fair Market Value	Liability Fair Market Value	Earnings (Losses)
Equity Rights/Warrants	$ 388	$ 30	$ —	$ 36
Currency Forwards	900	—	(6)	106
SWAPs	8,900	206	(473)	(27)
Futures	5,790	—	—	547
Total	$ 15,978	$ 236	$ (479)	$ 662

Equity Rights are rights given to existing stockholders to purchase newly issued shares in proportion to their holdings at a specific date. Equity Warrants are certificates entitling the holder to acquire shares of stock at a certain price within a stated period. Warrants often are made part of the issuance of bonds or preferred or common stock. The balances of equity rights/warrants are included in the Statements of Changes in Net Position.

Currency forwards represent forward foreign exchange contracts that are entered into in order to hedge the exposure to changes in foreign currency exchange rates on the foreign currency denominated portfolio holdings. A forward foreign exchange contract is a commitment to purchase or sell a foreign currency at a future date at a negotiated forward rate. The gain or loss arising from the difference between the original contracts and the closing of such contracts is included in the net realized gains or losses on foreign currency related transactions in the Statements of Changes in Net Position.

Options represent or give buyers the right, but not the obligation, to buy (call) or sell (put) an asset at a preset price over a specified period. The option's price is usually a small percentage of the underlying asset's value. Trust Lands has exposure to Options related to Interest Rates and Swaps. As a writer of financial options through external investment manager portfolios (as authorized), Trust Lands receives a premium at the outset of the agreement and bears the risk of an unfavorable change in the price of the financial instrument underlying the option. As a purchaser of financial options through external investment manager portfolios (as authorized), Trust Lands pays a premium at the outset of the agreement and the counter-party bears the risk of an unfavorable change in the price of the financial instrument underlying the option.

Swaps represent an agreement between two or more parties to exchange sequences of cash flows over a period in the future. In the most common type of interest rate swap arrangement, one party agrees to pay fixed interest payments on designated dates to a counterparty, who in turn agrees to make return interest payments that float with some reference rate. Gains and losses on swaps are determined based on market values and are recorded in the Statements of Changes in Net Position. Swap market values are determined by an independent third party.

Futures represent a financial contract obligating the buyer to purchase an asset or the seller to sell an asset, such as a physical commodity or a financial instrument, at a predetermined future date and price. Futures contracts are valued at their last reported sales price as of measurement date and are included in the Statements of Changes in Net Position.

Student Assistance Program

The following are disclosures for derivative instruments held by Student Assistance Program (major enterprise fund).

Objective – In order to protect against the potential of rising interest rates on its variable rate debt, the Student Assistance Program Board entered into an interest rate exchange (swap) agreement relating to the Board's student loan revenue bonds, Series 2010 EE ("Series 2010 Bonds") on December 21, 2010. The purpose of the swap is to create a variable rate cost of funds for the Series 2010 Bonds that will be lower than the variable rate cost achievable in the cash bond market. The Board accounts for the swap agreement as a fair value hedging derivative instrument and recognizes changes in fair values on the statement of Net Position as an asset or liability with a related deferred inflow or outflow of resources respectively. The terms of the swap agreement include:

Trade Date:................................	December 21, 2010
Effective Date	December 30, 2010
Termination Date	November 1, 2030
Initial Notional Amount.............	$364,150,000
June 30, 2019 Notional Amount .	$178,100,000
Board Pays Floating....................	3 Month LIBOR + 1.64905 percent
Counterparty Pays Fixed............	Stepped fixed-rates ranging from 4.664 to 5.000 percent
Payment Dates	The 1st day of May and November

Changes in the fair value of the swap agreement and the ending fair value of the swap agreement are summarized below:

Student Assistance Program
Change in Fair Value
For Fiscal Years Ending June 30
(expressed in thousands)

Derivative Instrument	Fair Value June 30, 2019	Fair Value June 30, 2018	Change in Fair Value
Interest Rate Exchange ..	$ 10,293	$ 3,618	$ 6,675

The projected net cash flows of the swap agreement are summarized below (expressed in thousands):

Fiscal Year	Counterparty Swap Payment To	Counterparty Swap Payment From	Counterparty Swap Payment Net	Interest Payments to Bondholders	Total Payments
2020	$ (6,618)	$ 8,110	$ 1,492	$ (8,110)	$ (6,618)
2021	(4,415)	5,410	995	(5,410)	(4,415)
2022	(2,754)	3,375	621	(3,375)	(2,754)
2023	(894)	1,095	201	(1,095)	(894)
2024	(117)	145	28	(145)	(117)
Total ..	$(14,798)	$18,135	$ 3,337	$ (18,135)	$ (14,798)

Swaps are not normally valued through exchange-type markets with easily accessible quotation systems and procedures. The fair value was calculated using information obtained from generally recognized sources with respect to quotations, reporting of specific transactions and market conditions and based on accepted industry standards and methodologies. The swap agreement is considered to be Level 3 for GASB Statement 72 purposes (the different levels are discussed in Note 3.A.

Credit Risk – The risk of a change in the credit quality or credit rating of the Board and/or its counterparty. The counterparty's long-term ratings are "Aa2/Aa2", "AA-/A+" and "AA/AA-" by Moody's Investors Service, Standard & Poor's, and Fitch Ratings, respectively.

The Board is exposed to credit risk on hedging derivative instruments that are in asset positions. To minimize its exposure to loss related to credit risk, it is the Board's policy to require counterparty collateral posting provisions in its non-exchange-traded hedging derivative instruments. These terms require full collateralization of the fair value of hedging derivative instruments in asset positions (net of the effect of applicable netting arrangements) should the counterparties' short-term and long-term credit ratings fall below "A-1" and "A," respectively, as issued by Standard & Poor's, or below "Prime-1" and "A2," respectively, as issued by Moody's Investors Service. Collateral posted is to be in the form of cash, U.S. Treasury securities or agency securities held by a third-party custodian. The Board has never failed to access collateral when required.

It is the Board's policy to enter into netting arrangements whenever it has entered into more than one derivative instrument transaction with a counterparty. Under the terms of these arrangements, should one party become insolvent or otherwise default on its obligations, close-out netting provisions permit the non-defaulting party to accelerate and terminate all outstanding transactions and net the transactions' fair values so that a single sum will be owed by, or owed to, the non-defaulting party.

Interest Rate Risk – The risk that the debt service costs associated with variable rate debt increases and negatively affects coverage ratios and cash flow margins. The Board is exposed to interest rate risk; as the 3-month LIBOR rate increases, the net payment on the swap agreement increases.

Basis Risk – The risk that arises when variable rates or prices of a swap agreement and a hedged item are based on different interest rate indexes. Because the swap agreement requires the Board to pay a variable rate to the counterparty, and the Board is receiving a fixed-rate payment in return, basis risk is not applicable.

Termination Risk – The risk that the swap must be terminated prior to its stated final cash flow date. Purposes for termination include the deterioration of the Board's own credit and the inability of the Board to obtain a replacement transaction with substantially similar terms. In such a circumstance, the Board would owe, or be owed, a termination payment. No termination events related to the swap agreement have occurred as of June 30, 2019.

Rollover Risk – The risk that the maturity of the swap contract is not coterminous with the maturity of the related bonds. The swap agreement and the underlying bonds have a final maturity date of November 1, 2030.

NOTE 4. INVESTMENT POOL

The Utah State Treasurer's Office operates the Utah Public Treasurers' Investment Fund (PTIF). The PTIF is available for investment of funds administered by any Utah public treasurer. Participation is not required and neither is a minimum balance nor a minimum/maximum transaction required. State agencies and funds that are authorized to earn interest also invest in the PTIF as an internal investment pool. No separate report as an external investment pool has been issued for the PTIF.

The PTIF is not registered with the SEC as an investment company and is not rated. The PTIF is authorized and regulated by the Utah Money Management Act, (Title 51, Chapter 7 of the *Utah Code*). The Act establishes the State Money Management Council, which oversees the activities of the State Treasurer and the PTIF. The Act lists the investments that are authorized which are high-grade securities and, therefore, minimizes credit risk except in the most unusual and unforeseen circumstances.

Deposits in the PTIF are neither insured nor otherwise guaranteed by the State of Utah, and participants share proportionally in any realized gains or losses on investments.

The PTIF operates and reports monthly statements to participants on an amortized cost basis. The income, gains, and losses, net of administration fees, of the PTIF are allocated to participants monthly on the ratio of the participant's share to the total funds in the PTIF based on the participant's average daily balance. This method differs from the fair value method used to value investments in these financial statements because the amortized cost method is not designed to distribute to participants all unrealized gains and losses in the fair values of the pool's investments. The total difference between the fair values of the investments in the pool and the values distributed to the pool participants using the amortized cost method described above is reported in the net position section of the following table as unrealized gains/losses. The PTIF may maintain an interest reserve to stabilize the monthly apportionment of interest. Any balance maintained in the interest reserve is reflected in the fair value valuation factor discussed below. The PTIF allocates income and issues statements on a monthly basis. Twice a year, at June 30 and December 31, which are the accounting periods for public entities, the investments are valued at fair value, and participants are informed of the fair value valuation factor that enables them to adjust their statement balances to fair value.

The PTIF condensed financial statements, inclusive of external and internal participants along with the portfolio statistics for the fiscal year ended June 30, 2019, are shown in the tables below:

Utah Public Treasurers' Investment Fund
Statement of Net Position
June 30, 2019
(expressed in thousands)

Assets	
Cash and Cash Equivalents	$ 795,473
Investments	15,228,316
Total Assets	$ 16,023,789
Liabilities	
Payable for Unsettled Trades	$ 17,125
Net Position	
External Participant Account Balances:	
External Participants	10,193,185
Unrealized Gains/(Losses)	11,021
Total External Participants	10,204,206
Internal Participant Account Balances:	
Primary Government	5,007,291
Discrete Component Units	788,910
Unrealized Gains/(Losses)	6,257
Total Internal Participants	5,802,458
Total Net Position	$ 16,006,664
Participant Account Balance Net Position Valuation Factor	1.00412782

Utah Public Treasurers' Investment Fund
Statement of Changes in Net Position
For the Fiscal Year Ended June 30, 2019
(*expressed in thousands*)

Additions	
Pool Participant Deposits	$ 15,440,211
Investment Income:	
Investment Earnings	437,578
Fair Value Increases (Decreases)	10,485
Total Investment Income	448,063
Less Administrative Expenses	(718)
Net Investment Income	447,345
Total Additions	15,887,556
Deductions	
Pool Participant Withdrawals	14,048,019
Earnings Distributions	436,425
Total Deductions	14,484,444
Net Increase/(Decrease) From Operations	1,403,112
Net Position	
Beginning of Year	14,603,552
Net Position – End of Year	$ 16,006,664

Utah Public Treasurers' Investment Fund
Portfolio Statistics
At June 30, 2019

	Range of Yields	Weighted Average Maturity
Money Market Mutual Funds	2.25 – 2.45%	1 day
Corporate Bonds and Notes	2.38 – 3.55%	50.34 days
Commercial Paper	2.36 – 2.88%	5.61 days
	Weighted Average Yield	**Average Adjusted Maturity**
Total Investment Fund	2.84%	47.67 days

Deposits and Investments

The following disclosure of deposits and investments is for the PTIF, which includes external and internal participants. These assets are also included in the Note 3 disclosures of deposits and investments for the primary government. To avoid duplication, some of the detailed information in Note 3 has not been repeated in this note.

Custodial Credit Risk – Deposits

The custodial credit risk for deposits is the risk that in the event of a bank failure, the PTIF's deposits may not be recovered. The PTIF follows the Money Management Act by making deposits only in qualified financial institutions in accordance with the Act.

The deposits in the bank in excess of the insured amount are uninsured and uncollateralized. Deposits are neither collateralized nor are they required to be by state statute. The deposits for the PTIF at June 30, 2019, were $21 million. Of those, $20.500 million were exposed to custodial credit risk as uninsured and uncollateralized.

Fair Value Measurements of Investments

The PTIF categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. These guidelines recognize a three-tiered fair value hierarchy as follows:

- Level 1: Inputs are quoted prices for identical investments in active markets.
- Level 2: Observable inputs other than quoted market prices.
- Level 3: Unobservable inputs.

The following table presents the recurring fair value measurements at June 30, 2019, for the PTIF:

Utah Public Treasurers' Investment Fund
Investments Measured at Fair Value
At June 30, 2019
(*expressed in thousands*)

Investments by Fair Value Level	Fair Value	Fair Value Measurements Using: Level 1	Level 2
Debt Securities			
Corporate Bonds and Notes	$ 15,028,926	$ —	$ 15,028,926
Money Market Mutual Funds	533,529	533,529	—
Commercial Paper	391,740	—	391,740
Total Debt Securities	$ 15,954,195	$ 533,529	$ 15,420,666

Debt securities classified in Level 1 are valued using prices quoted in active markets for those securities. Other debt and securities classified in Level 2 are valued using the following approaches:

- Corporate Bonds and Notes are valued using quoted prices for identical securities in markets that are not active.
- Negotiable Certificates of Deposit and Commercial Paper are valued using quoted prices for identical or similar securities in markets that are not active.

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The PTIF's policy for managing interest rate risk is to comply with the State's Money Management Act. See Note 3 for information on requirements of the Act related to interest rate risk.

The majority of the PTIF's corporate debt securities are variable-rate securities, most of which reset every three months to the market interest rate. Because these securities frequently re-price to prevailing market rates, interest rate risk is substantially reduced at each periodic reset date. In the table below, variable-rate securities are presented according to the length of time until the next reset date rather than the stated maturity.

The PTIF follows the Money Management Act by investing only in securities authorized in the Act. See Note 3 for information on authorized investments.

The PTIF investments at June 30, 2019, are presented on the following table.

Utah Public Treasurers' Investment Fund
At June 30, 2019
(*expressed in thousands*)

Investment Type	Fair Value	Investment Maturities (in years): Less Than 1
Debt Securities		
Corporate Bonds and Notes	$ 15,028,926	$ 15,028,926
Money Market Mutual Funds	533,529	533,529
Commercial Paper	391,740	391,740
Total Debt Securities Investments	$ 15,954,195	$ 15,954,195

Credit Risk of Debt Securities

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The PTIF follows the Money Management Act as its policy for reducing exposure to investment credit risk. The PTIF's rated debt investments as of June 30, 2019, were rated by Standard and Poor's and/or an equivalent nationally recognized statistical rating organization and the ratings are presented below using the Standard and Poor's rating scale.

Utah Public Treasurers' Investment Fund
Rated Debt Investments
At June 30, 2019
(*expressed in thousands*)

Debt Investments	Fair Value	Quality Ratings: AA	A	BBB	BB	A1*	Not Rated
Corporate Bonds and Notes	$ 15,028,926	$ 2,114,707	$ 10,652,977	$ 2,231,285	$ 29,957	$ —	$ —
Money Market Mutual Funds	$ 533,529	$ —	$ —	$ —	$ —	$ —	$ 533,529
Commercial Paper	$ 391,740	$ —	$ —	$ —	$ —	$ 391,740	$ —

* A1 is Commercial Paper Rating

Custodial Credit Risk

Custodial credit risk for investments is the risk that, in the event of a failure of the counter party, the PTIF will not be able to recover the value of the investment or collateral securities that are in the possession of an outside party. The PTIF does not have a formal policy for custodial credit risk.

The PTIF's investments at June 30, 2019, were held by the State or in the State's name by the State's custodial bank.

Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. The PTIF's policy for reducing this risk of loss is to comply with the Rules of the State Money Management Council. Rule 17 of the State Money Management Council limits investments in a single issuer of commercial paper and corporate obligations to 5 percent of the total dollar amount held in the portfolio. The State Money Management Council limitations do not apply to securities issued by the U.S. government and its agencies. The PTIF had no debt securities investments at June 30, 2019, with more than 5 percent of the total investments in a single issuer.

NOTE 5. RECEIVABLES

Accounts receivable balances are an aggregation of amounts due from the federal government, customers, and others. Receivables from customers include charges for services to local governments, fees and fines issued by the courts and corrections, employer contributions for unemployment benefits, and receivables as a result of overpayments to individuals receiving state assistance.

The majority of receivables for Trust Lands (permanent fund) represent unsettled trades from brokers, dealers, and clearing organizations.

Receivables for Fiduciary Funds listed below represent amounts due from fiduciary funds that were reclassified as external receivables on the government-wide Statement of Net Position. Other adjustments are due to differences in the presentation and the basis of accounting between the fund financial statements and the government-wide Statement of Net Position.

Aggregated receivables for major and nonmajor discrete component units at June 30, 2019, were $1.036 billion and $102.175 million, respectively. These receivables are net of an allowance for doubtful accounts of $372.527 million and $12.048 million, respectively.

Receivables as of June 30, 2019, consisted of the following (in thousands):

	Accounts Receivable					
	Federal	**Customer**	**Other**	**Interest**	**Taxes**	**Notes/Mortgages**
Governmental Activities:						
General Fund	$ 283,582	$ 279,542	$ 28,223	$ 108	$ 372,940	$ 2,333
Education Fund	168,425	19	2,081	117	1,239,245	11,380
Transportation Fund	85,860	7,458	5,055	—	87,476	—
Transportation Investment Fund	—	—	—	—	87,976	—
Trust Lands Fund	—	—	29,734	266	—	1,703
Nonmajor Funds	4,070	27,058	—	997	2,606	—
Internal Service Funds	—	6,608	—	—	—	—
Adjustments:						
Fiduciary Funds	—	—	75	—	—	—
Total Receivables	541,937	320,685	65,168	1,488	1,790,243	15,416
Less Allowance for Uncollectibles:						
General Fund	—	(66,005)	—	—	(12,412)	(1,468)
Education Fund	—	—	—	—	(216,053)	—
Transportation Fund	—	(200)	—	—	(1,553)	—
Transportation Investment Fund	—	—	—	—	(3,292)	—
Receivables, net	541,937	254,480	65,168	1,488	1,556,933	13,948
Current Receivables	541,937	217,195	58,665	1,488	1,413,629	3,269
Noncurrent Receivables	—	37,285	6,503	—	143,304	10,679
Total Receivables, net	$ 541,937	$ 254,480	$ 65,168	$ 1,488	$ 1,556,933	$ 13,948
Business-type Activities:						
Student Assistance Programs	$ 2,729	$ 5,594	$ 236	$ 33,608	$ —	$ 1,421,720
Unemployment Compensation	115	106,488	—	—	—	—
Water Loan Programs	2,276	425	—	7,737	5,014	697,186
Community Impact Loan Fund	—	—	—	4,833	—	486,100
Nonmajor Funds	760	12,418	—	4,027	—	213,897
Total Receivables	5,880	124,925	236	50,205	5,014	2,818,903
Less Allowance for Uncollectibles:						
Student Assistance Programs	—	—	—	—	—	(7,076)
Unemployment Compensation	—	(48,913)	—	—	—	—
Total Receivables, net	$ 5,880	$ 76,012	$ 236	$ 50,205	$ 5,014	$ 2,811,827

NOTE 6. ACCOUNTS PAYABLE AND ACCRUED LIABILITIES

Accounts payable and accrued liabilities as of June 30, 2019, consisted of the following (in thousands):

	Salaries/ Benefits	Service Providers	Vendors/ Other	Government	Tax Refunds/ Credits	Interest	Total
Governmental Activities:							
General Fund	$ 61,246	$ 271,519	$ 55,858	$ 104,118	$ 7,486	$ —	$ 500,227
Education Fund	1,418	3,397	15,308	173,750	72,402	—	266,275
Transportation Fund	6,186	—	164,221	46,416	722	—	217,545
Transportation Investment Fund	—	—	—	5,600	—	—	5,600
Trust Lands Fund	—	—	24,407	—	—	438	24,845
Nonmajor Governmental Funds	324	3	86,160	5,814	415	47,885	140,601
Internal Service Funds	5,273	—	23,550	1,922	—	—	30,745
Adjustments:							
Fiduciary Funds	—	—	—	305	—	—	305
Other	—	—	—	—	—	1,098	1,098
Total Governmental Activities	$ 74,447	$ 274,919	$ 369,504	$ 337,925	$ 81,025	$ 49,421	$ 1,187,241
Business-type Activities:							
Student Assistance Programs	$ 2,395	$ —	$ 5,153	$ 3,294	$ —	$ 2,527	$ 13,369
Unemployment Compensation Fund	—	4,020	—	108	—	—	4,128
Water Loan Programs	—	206	999	—	—	—	1,205
Community Impact Loan Fund	—	—	17	—	—	—	17
Nonmajor Enterprise Funds	2,301	5,872	16,108	—	66	425	24,772
Total Business-type Activities	$ 4,696	$ 10,098	$ 22,277	$ 3,402	$ 66	$ 2,952	$ 43,491

Accounts payable and accrued liability balances are an aggregation of amounts due to: (***1***) state employees for salaries/benefits; (***2***) service providers for childcare, job and health services; (***3***) vendors, miscellaneous suppliers, brokers, dealers, and clearing organizations for unsettled investment trades (Trust Lands Fund); (***4***) local and federal governments for services; (***5***) individuals and others as a result of tax overpayments or credits issued; and (***6***) interest due on bonds and other obligations.

Adjustments for fiduciary funds listed above represent amounts due to fiduciary funds that were reclassified as external payables on the government-wide Statement of Net Position. Other adjustments are due to differences in the presentation and the basis of accounting between the fund financial statements and the government-wide Statement of Net Position.

(Notes continue on next page.)

NOTE 7. INTERFUND BALANCES AND LOANS

Interfund Balances

Interfund balances at June 30, 2019, consisted of the following (in thousands):

Due to General Fund from:		
Education Fund	$	882
Transportation Fund		2,627
Trust Lands Fund		46
Nonmajor Governmental Funds		3,575
Unemployment Compensation Fund		6,505
Water Loan Programs		82
Community Impact Loan Fund		6
Nonmajor Enterprise Funds		35,073
Internal Service Funds		1,373
Fiduciary Funds		18
Total due to General Fund from other funds	$	50,187
Due to Education Fund from:		
General Fund	$	5,702
Unemployment Compensation Fund		259
Trust Lands Fund		20,666
Total due to Education Fund from other funds	$	26,627
Due to Transportation Fund from:		
General Fund	$	122
Nonmajor Governmental Funds		260
Nonmajor Enterprise Funds		3
Internal Service Funds		97
Total due to Transportation Fund from other funds	$	482
Due to Trust Lands from:		
General Fund	$	113
Nonmajor Enterprise Funds		1,288
Total due to Trust Lands from other fund	$	1,401
Due to Nonmajor Governmental Funds from:		
General Fund	$	2,764
Internal Service Funds		18
Fiduciary Funds		28
Total due to Nonmajor Governmental Funds from other funds	$	2,810
Due to Water Loan Programs from:		
General Fund	$	2
Trust Lands Fund		67
Nonmajor Governmental Funds		12,080
Total due to Water Loan Programs from other funds	$	12,149
Due to Nonmajor Enterprise Funds from:		
General Fund	$	1,689
Education Fund		3
Transportation Fund		7
Trust Lands Fund		—
Nonmajor Governmental Funds		14,020
Internal Service Funds		9
Total due to Nonmajor Enterprise Funds from other funds	$	15,728
Due to Internal Service Funds from:		
General Fund	$	31,946
Education Fund		432
Transportation Fund		4,419
Nonmajor Governmental Funds		1,313
Nonmajor Enterprise Funds		1,061
Internal Service Funds		1,420
Fiduciary Funds		29
Total due to Internal Service Funds from other funds	$	40,620
Due to Fiduciary Funds from:		
General Fund	$	123
Nonmajor Governmental Funds		180
Internal Service Funds		2
Total due to Fiduciary Funds from other funds	$	305
Total Due to/Due froms	$	150,309

These balances resulted from the time lags between the dates that: (***1***) interfund goods and services are provided or reimbursable expenditures occur; (***2***) transactions are recorded in the accounting system; and (***3***) payments between funds are made.

Interfund Loans

At June 30, 2019, interfund loans receivable/payable balances consist of $31.417 million revolving loans payable to the General Fund from Internal Service Funds. The balance payable to the General Fund from Internal Service Funds of $31.417 million includes $12.063 million that is not expected to be repaid within one year and is classified as nonspendable fund balance.

(Notes continue on next page.)

NOTE 8. CAPITAL ASSETS

Capital asset activity for the year ended June 30, 2019, was as follows (in thousands):

	Beginning Balance	Additions	Deletions	Ending Balance
Governmental Activities:				
Capital Assets Not Depreciated/Amortized:				
Land and Related Assets	$ 2,045,451	$ 153,349	$ (11,021)	$ 2,187,779
Infrastructure	14,371,953	174,069	(25,628)	14,520,394
Construction in Progress	1,231,647	464,452	(459,633)	1,236,466
Total Capital Assets Not Depreciated/Amortized	17,649,051	791,870	(496,282)	17,944,639
Capital Assets Depreciated/Amortized:				
Buildings and Improvements	2,196,283	139,541	(312)	2,335,512
Infrastructure	74,529	1,242	(20)	75,751
Machinery and Equipment	561,280	42,879	(77,685)	526,474
Intangible Assets–Software	299,856	24,119	(1,915)	322,060
Total Capital Assets Depreciated/Amortized	3,131,948	207,781	(79,932)	3,259,797
Less Accumulated Depreciation/Amortization for:				
Buildings and Improvements	(959,926)	(63,383)	216	(1,023,093)
Infrastructure	(36,191)	(2,572)	20	(38,743)
Machinery and Equipment	(363,955)	(33,094)	72,330	(324,719)
Intangible Assets–Software	(208,971)	(36,738)	1,629	(244,080)
Total Accumulated Depreciation/Amortization	(1,569,043)	(135,787)	74,195	(1,630,635)
Total Capital Assets Depreciated/Amortized, Net	1,562,905	71,994	(5,737)	1,629,162
Capital Assets, Net	$ 19,211,956	$ 863,864	$ (502,019)	$ 19,573,801
Business-type Activities:				
Capital Assets Not Depreciated/Amortized:				
Land and Related Assets	$ 25,945	$ 1,738	$ —	$ 27,683
Construction in Progress	1,104	2,649	(760)	2,993
Total Capital Assets Not Depreciated/Amortized	27,049	4,387	(760)	30,676
Capital Assets Depreciated/Amortized:				
Buildings and Improvements	98,080	3,838	(197)	101,721
Infrastructure	430	—	—	430
Machinery and Equipment	18,419	1,418	(960)	18,877
Intangible Assets–Software	3,781	341	—	4,122
Total Capital Assets Depreciated/Amortized	120,710	5,597	(1,157)	125,150
Less Accumulated Depreciation/Amortization for:				
Buildings and Improvements	(38,616)	(3,345)	—	(41,961)
Infrastructure	(149)	(12)	—	(161)
Machinery and Equipment	(13,636)	(1,073)	815	(13,894)
Intangible Assets–Software	(2,579)	(413)	—	(2,992)
Total Accumulated Depreciation/Amortization	(54,980)	(4,843)	815	(59,008)
Total Capital Assets Depreciated/Amortized, Net	65,730	754	(342)	66,142
Capital Assets, Net	$ 92,779	$ 5,141	$ (1,102)	$ 96,818

Construction in progress of governmental activities includes amounts for buildings the State is constructing for colleges and universities and other discrete component units that are funded by state appropriations or state bond proceeds. As the buildings are completed, the applicable amounts are deleted from construction in progress of governmental activities and “transferred” to the colleges and universities and other discrete component units. For fiscal year 2019, $140.747 million of buildings were completed for colleges and universities. On the government-wide statement of activities, the building “transfers” are reported as higher education expenses of governmental activities and as program revenues of discrete component units.

Depreciation expense of governmental activities was charged to functions as follows (in thousands):

General Government	$ 18,026
Human Services and Juvenile Justice Services	10,535
Corrections	8,279
Public Safety	18,670
Courts	7,909
Health and Environmental Quality	5,395
Employment and Family Services	18,692
Natural Resources	10,780
Heritage and Arts	560
Business, Labor, and Agriculture	1,275
Public Education	709
Transportation	16,553
Depreciation on capital assets of the State's internal service funds is charged to the various functions based on their usage of services provided	18,404
Total Depreciation Expense	$ 135,787

Discrete Component Units

The following table summarizes net capital assets reported by the discrete component units (in thousands):

	Public Employees Health Program	University of Utah	Utah State University	Utah Transit Authority	Nonmajor Component Units	Total
Capital Assets Not Depreciated/Amortized:						
Land and Related Assets	$ —	$ 85,265	$ 43,936	$ 440,917	$ 149,648	$ 719,766
Art and Special Collections	—	83,162	43,739	—	10,276	137,177
Construction in Progress	—	504,037	22,160	109,973	31,964	668,134
Total Capital Assets Not Depreciated/Amortized	0	672,464	109,835	550,890	191,888	1,525,077
Capital Assets Depreciated/Amortized:						
Building and Improvements	—	3,725,033	1,255,582	302,473	2,231,969	7,515,057
Infrastructure	—	465,357	—	2,670,372	123,611	3,259,340
Machinery and Equipment	430	1,359,149	280,668	968,419	322,505	2,931,171
Total Capital Assets Depreciated/Amortized	430	5,549,539	1,536,250	3,941,264	2,678,085	13,705,568
Less Accumulated Depreciation/Amortization	(363)	(2,753,222)	(689,121)	(1,402,257)	(1,060,663)	(5,905,626)
Total Capital Assets Depreciated/Amortized, Net	67	2,796,317	847,129	2,539,007	1,617,422	7,799,942
Discrete Component Units – Capital Assets, Net	$ 67	$ 3,468,781	$ 956,964	$ 3,089,897	$ 1,809,310	$ 9,325,019

NOTE 9. LEASE COMMITMENTS

The State leases office buildings along with office and computer equipment. Although the lease terms vary, most leases are subject to annual appropriations from the State Legislature to continue the lease obligations. If an appropriation is reasonably assured, leases are considered noncancellable for financial reporting purposes.

Leases, that in substance are purchases, are reported as capital lease obligations. In the government-wide financial statements and proprietary fund financial statements, assets and liabilities resulting from capital leases are recorded at the inception of the lease at either the lower of fair value or the present value of the future minimum lease payments. The principal portion of lease payments reduces the liability, and the interest portion is expensed. On the governmental fund financial statements, both the principal and interest portions of capital lease payments are recorded as expenditures of the applicable governmental function.

The primary government's capital lease payments and adjustments were $2.335 million in principal and $978 thousand in interest for fiscal year 2019. As of June 30, 2019, the historical cost of the primary government's assets acquired through capital leases was $55.832 million of which $55.063 million was buildings and land and $769 thousand was equipment and other depreciable assets. As of June 30, 2019, the accumulated depreciation of the primary government's assets acquired through capital leases was $19.432 million of which $18.663 million was buildings and $769 thousand was equipment and other depreciable assets. Of the $214.309 million in discrete component unit present value of future minimum lease payments noted below, $86.350 million relates to capital lease arrangements between the primary government and certain colleges and universities (discrete component units).

Operating leases contain various renewal options, as well as some purchase options. However, due to the nature of the leases, they do not qualify as capital leases and the related assets and liabilities are not recorded. Any escalation clauses, sublease rentals, and contingent rents were considered immaterial to the future minimum lease payments and current rental expenditures. Operating lease payments are recorded as expenditures or expenses when paid or incurred.

Operating lease expenditures for fiscal year 2019 were $45.844 million for the primary government and $43.210 million for discrete component units. For fiscal year 2018, the operating lease expenditures were $37.617 million for the primary government and

$33.618 million for discrete component units. Future minimum lease commitments for non-cancellable operating leases and capital leases as of June 30, 2019, and for Utah Transit Authority (major discrete component unit) as of December 31, 2018, were as follows:

Future Minimum Lease Commitments
Operating Leases
(expressed in thousands)

Fiscal Year	Primary Government	Discrete Component Units
2020	$ 20,097	$ 40,860
2021	17,551	37,438
2022	14,683	32,553
2023	11,724	28,745
2024	8,138	26,691
2025-2029	14,479	70,040
2030-2034	1,200	22,304
2035-2039	1,153	17,721
2040-2044	874	16,928
2045-2049	10	16,582
2050-2054	10	2,198
2055-2059	6	45
Total Future Minimum Lease Payments	$ 89,925	$ 312,105

Future Minimum Lease Commitments
Capital Leases
(expressed in thousands)

	Primary Government			Discrete Component Units		
Fiscal Year	Total Future Minimum Lease Payments	Less Amounts Representing Interest	Present Value of Future Minimum Lease Payments	Total Future Minimum Lease Payments	Less Amounts Representing Interest	Present Value of Future Minimum Lease Payments
2020	$ 338	$ 65	$ 273	$ 38,061	$ 6,221	$ 31,840
2021	338	58	280	37,986	5,586	32,400
2022	327	50	277	35,647	4,724	30,923
2023	317	42	275	31,693	3,920	27,773
2024	317	33	284	17,874	3,312	14,562
2025-2029	1,019	74	945	69,752	10,839	58,913
2030-2034	482	13	469	16,754	1,978	14,776
2035-2039	—	—	—	3,311	189	3,122
Total	$ 3,138	$ 335	$ 2,803	$ 251,078	$ 36,769	$ 214,309

Future Minimum Lease Commitments
Capital Leases - Direct Borrowings
(expressed in thousands)

	Primary Government			Discrete Component Units		
Fiscal Year	Total Future Minimum Lease Payments	Less Amounts Representing Interest	Present Value of Future Minimum Lease Payments	Total Future Minimum Lease Payments	Less Amounts Representing Interest	Present Value of Future Minimum Lease Payments
2020	$ 3,183	$ 830	$ 2,353	$ 7,758	$ 1,120	$ 6,638
2021	3,222	745	2,477	7,104	986	6,118
2022	3,262	655	2,607	6,096	861	5,235
2023	2,871	560	2,311	5,033	748	4,285
2024	2,032	480	1,552	4,384	648	3,736
2025-2029	8,257	1,769	6,488	20,779	1,823	18,956
2030-2034	5,467	1,162	4,305	4,546	102	4,444
2035-2039	4,455	630	3,825	—	—	—
2040-2044	2,416	131	2,285	—	—	—
Total	$ 35,165	$ 6,962	$ 28,203	$ 55,700	$ 6,288	$ 49,412

NOTE 10. LONG-TERM LIABILITIES

A. Changes in Long-term Debt and Other Long-term Liabilities

Changes in long-term debt and other long-term liabilities for the year ended June 30, 2019 are presented in the following table. Changes for Utah Transit Authority and PEHP (major discrete component units) are included as of year ended December 31, 2018. As referenced below, certain long-term debt and other long-term liabilities are discussed in other Notes to the Financial Statements.

Long-term Debt and Other Long-term Liabilities
(*expressed in thousands*)

	Beginning Balance	Additions	Reductions	Ending Balance	Amounts Due Within One Year
Governmental Activities					
Long-term Debt:					
General Obligation Bonds	$ 2,278,175	$ 127,715	$ (250,215)	$ 2,155,675	$ 268,350
General Obligation Bonds - Direct Placement	118,700	—	(1,100)	117,600	1,300
State Building Ownership Authority (SBOA) Lease Revenue Bonds	211,516	—	(37,440)	174,076	7,383
SBOA Lease Revenue Bonds - Direct Placement	25,910	—	—	25,910	4,805
Net Unamortized Premiums	108,115	23,308	(25,357)	106,066	22,391
Capital Leases (Note 9) - Direct Borrowing	30,064	—	(1,861)	28,203	2,353
Notes Payable - Direct Borrowing	268	—	(41)	227	45
Other Long-term Liabilities:					
Capital Leases (Note 9)	3,068	—	(265)	2,803	273
Compensated Absences (Note 1) **	184,505	125,572	(98,939)	211,138	99,608
Claims Liability (Note 20) **	57,330	22,050	(15,822)	63,558	22,709
Pollution Remediation Obligation **	5,366	492	(534)	5,324	541
Settlement Obligations **	273	—	(46)	227	46
Net Pension Liability (Note 18) *	763,753	377,013	—	1,140,766	—
Net OPEB Liability (Note 19) *	99,058	—	(30,723)	68,335	—
Arbitrage Liability (Note 1)	—	544	—	544	—
Total Governmental Long-term Debt and Liabilities	$ 3,886,101	$ 676,694	$ (462,343)	$ 4,100,452	$ 429,804
Business-type Activities					
Long-term Debt:					
Student Assistance Revenue Bonds	$ 1,506,965	$ —	$ (241,085)	$ 1,265,880	$ 269,305
State Building Ownership Authority Lease Revenue Bonds	77,704	—	(5,155)	72,549	5,802
Water Loan Recapitalization Revenue Bonds	31,225	—	(5,705)	25,520	5,955
Net Unamortized Premiums/(Discounts)	(6,418)	—	(1,582)	(8,000)	1,094
Notes Payable - Direct Borrowing	635	618	(635)	618	19
Other Long-term Liabilities:					
Claims and Uninsured Liabilities	4,365	152,359	(153,445)	3,279	3,279
Net Pension Liability (Note 18) *	12,038	7,027	—	19,065	—
Net OPEB Liability (Note 19) *	1,564	—	(456)	1,108	—
Total Business-type Long-term Debt and Liabilities	$ 1,628,078	$ 160,004	$ (408,063)	$ 1,380,019	$ 285,454
Discrete Component Units					
Long-term Debt:					
Revenue Bonds	$ 3,478,766	$ 294,391	$ (223,570)	$ 3,549,587	$ 83,431
Net Unamortized Premiums/(Discounts)	183,858	17,839	(17,029)	184,668	656
Capital Leases (Note 9) - Direct Borrowing	40,779	14,377	(5,744)	49,412	6,638
Notes Payable - Direct Borrowings	51,754	509	(14,896)	37,367	5,716
Other Long-term Liabilities:					
Capital Leases/Contracts Payable (Notes 9 and 10)	202,663	45,457	(28,783)	219,337	35,492
Claims Liability (Note 20)	151,103	698,051	(700,985)	148,169	70,461
Leave/Termination Benefits (Note 1)	173,394	145,781	(137,522)	181,653	124,631
Capital Assets Held for Others	12,923	—	(403)	12,520	404
Net Pension Liability (Note 18) *	373,894	122,691	—	496,585	—
Net OPEB Liability (Note 19) *	998	—	(353)	645	—
Total Discrete Component Long-term Debt and Liabilities	$ 4,670,132	$ 1,339,096	$ (1,129,285)	$ 4,879,943	$ 327,429

The beginning balance for Discrete Component Units increased due to the inclusion of Utah Transit Authority (major discrete component unit) as follows: $2.127 billion and $163.890 million in Revenue Bonds and unamortized premiums, respectively, $40.779 million in Capital Leases - Direct Borrowing; $1.496 million in Claims Liability; $9.326 million in Leave/Termination benefits; and $100.877 million in Net Pension Liability. See Note 2 for further information.

* The Net Pension Liability and Net Other Postemployment Benefit (OPEB) Liability of governmental activities are liquidated in the General Fund, Education Fund, or Transportation Fund according to the applicable employing state agency. The changes in these liabilities are either netted as additions or reductions for this schedule since that information is not readily available for inclusion. See Note 18 and Note 19 for further information.

** Compensated Absences of governmental activities are liquidated in the General Fund, Education Fund, or Transportation Fund according to the applicable employing state agency. Claims Liability of governmental activities are liquidated in the Risk Management Internal Service Fund. Settlement Obligations of governmental activities are liquidated in the Crime Victim Reparation Fund (nonmajor governmental fund). The Pollution Remediation Obligations of the governmental activities are liquidated in the Environmental Reclamation Fund (nonmajor governmental fund).

Differences in Net Pension Liability – The Net Pension Liability (NPL) ending balances for governmental activities of $1.141 billion and for business-type activities of $19.065 million differ from the NPL for the primary government of $1.170 billion as reported in Note 18 due to the following: the NPL for Student Assistance Programs of $1.630 million and Utah Dairy Commission of $387 thousand are included in business-type activities, but are excluded from the primary government NPL reported in Note 18, and the Utah Schools for the Deaf and Blind (nonmajor discrete component unit) of $12.663 million is excluded from the business-type and governmental activities reported above, but is included in the NPL for the primary government in Note 18.

These differences are due to the way Utah Retirement Systems (pension trust and defined contribution plans) combine and report the State's retirement plans for Note 18, which is different than how the State reports the NPL by fund type in accordance with generally accepted accounting principles.

B. General Obligation Bonds

The State issues general obligation bonds to provide funds for acquisition, construction, and renovation of major capital facilities and for highway construction. In addition, general obligation bonds have been issued to refund general obligation bonds, revenue bonds, and capitalized leases. General obligation bonds are secured by the full faith and credit of the State. Debt service requirements are provided by legislative appropriation from the State's general tax revenues. As of June 30, 2019, the State had $637.610 million of unissued general obligation highway bond authorizations remaining, and $355.003 million of unissued general obligation building bond authorizations remaining.

During fiscal year 2019, the State issued $127.715 million Series 2019 general obligation highway bonds to fund transportation projects.

General obligation bonds payable information is presented below.

General Obligation Bonds Payable
(expressed in thousands)

Bond Issue	Date Issued	Maturity Date	Interest Rate	Original Issue	Balance June 30, 2019
2009 D Highway Issue	09/29/09	2019, 2024	4.15%, 4.55%	$ 491,760	$ 491,760
2010 B Highway Issue	09/30/10	2019 – 2025	3.19% – 3.54%	$ 621,980	621,980
2010 C Refunding Issue	10/21/10	2016 – 2019	4.00% – 5.00%	$ 172,055	44,475
2011 A Highway/Capital Facility Issue	07/06/11	2012 – 2021	2.00% – 5.00%	$ 609,920	131,970
2013 Highway Issue	07/30/13	2014 – 2028	3.00% – 5.00%	$ 226,175	58,375
2015 Refunding Issue	04/29/15	2019 – 2026	3.50% – 5.00%	$ 220,980	220,980
2017 Highway/Prison Issue	07/10/17	2018 – 2032	3.00% – 5.00%	$ 142,070	135,555
2017 Refunding Issue - Direct Placement	12/15/17	2018 - 2028	2.21%	$ 118,700	117,600
2018 Highway/Prison Issue	02/28/18	2018 - 2032	3.13% – 5.00%	$ 343,155	322,865
2019 Highway Issue	01/15/19	2019 - 2033	5.00%	$ 127,715	127,715
Total General Obligation Bonds Outstanding					2,273,275
Plus Unamortized Bond Premium					101,116
Total General Obligation Bonds Payable					$ 2,374,391

General Obligation Bond Issues
Debt Service Requirements to Maturity
For the Fiscal Year Ended June 30
(expressed in thousands)

Fiscal Year	Principal: 2009D Highway Bonds	2010B Highway Bonds	2010C Refunding Bonds	2011A Highway / Capital Bonds	2013 Highway Bonds	2015 Refunding Bonds	2017 Highway/ Prison Bonds
2020	$ 74,145	$ 29,470	$ 44,475	$ 43,990	$ 13,525	$ 24,765	$ 10,700
2021	87,715	101,775	—	43,990	14,200	—	11,225
2022	86,740	102,480	—	43,990	14,950	—	11,825
2023	90,825	103,250	—	—	15,700	39,290	12,400
2024	64,420	104,160	—	—	—	39,260	13,050
2025-2029	87,915	180,845	—	—	—	117,665	62,430
2030-2034	—	—	—	—	—	—	13,925
Total	$ 491,760	$ 621,980	$ 44,475	$ 131,970	$ 58,375	$ 220,980	$ 135,555

Continues Below

Fiscal Year	Principal: 2017 Refunding - Direct Placement	2018 Highway/ Prison Bonds	2019 Highway Bonds	Total Principal Required	Total Interest Required	Total Amount Required
2020	$ 1,300	$ 20,855	$ 6,425	$ 269,650	$ 83,666	$ 353,316
2021	1,300	21,925	6,135	$ 288,265	71,435	$ 359,700
2022	1,400	23,005	6,450	$ 290,840	59,304	$ 350,144
2023	1,400	24,180	6,780	$ 293,825	46,566	$ 340,391
2024	17,700	25,385	7,125	$ 271,100	35,340	$ 306,440
2025-2029	94,500	121,710	41,500	$ 706,565	63,758	$ 770,323
2030-2034	—	85,805	53,300	$ 153,030	10,605	$ 163,635
Total	$ 117,600	$ 322,865	$ 127,715	$ 2,273,275	$ 370,674	$ 2,643,949

C. Revenue Bonds

Revenue bonds payable consist of those issued by the Utah State Building Ownership Authority, the Utah State Board of Regents Student Loan Purchase Programs, the State's Water Loan Programs, and various colleges and universities. These bonds are not considered general obligations of the State.

Governmental Activities

The Utah State Building Ownership Authority (SBOA) has issued bonds for the purchase and construction of facilities to be leased to state agencies and other organizations. The bonds are secured by the facilities, and repayment is made from lease income appropriated by the Legislature and is not considered pledged revenue of the State. The outstanding bonds payable at June 30, 2019, are reported as a long-term liability of the governmental activities, except for $75.834 million and $968 thousand, which are reported in the Alcoholic Beverage Control Fund and the Utah Correctional Industries Fund (nonmajor enterprise funds), respectively. These portions are reported as liabilities of the business-type activities on the government-wide Statement of Net Position.

Business-type Activities

The Utah State Board of Regents Student Loan Purchase Programs' (Student Assistance Programs) bonds were issued to provide funds for student loans and are secured by all assets of the Board of Regents Revenue Bond Funds and by the revenues and receipts derived from such assets. The Board of Regents has also issued a revenue bond for an office facility secured by funds within the Board of Regents budget that would otherwise be expended for rent.

The Student Assistance Programs include $180.795 million of fixed-rate bonds, $75.211 million of bonds at a rate set at the 3‑month LIBOR plus spread, and $1.971 billion of bonds at a rate set at the 1‑month LIBOR plus rates from 0.55 to 1.50 percent. The Programs' bonds also include adjustable rate bonds that are set by an auction procedure every 28 days in the amount of $39.100 million.

The Student Assistance Programs' bonds issued under the 1993 Trust Estate are limited obligations of the Board, secured by and payable solely from the Trust Estate established by the indenture. The bonds and notes were issued to finance eligible student loans. The Trust Estate consists of student loans acquired under the indenture, all proceeds of the bonds and notes, and net revenues in the funds and accounts, and any other property pledged to the Trust Estate. The Board has pledged these assets and net revenues to repay $292.411 million of outstanding student loan revenue bonds and student loan backed notes, which are payable through 2046. Principal and interest paid for the current year and total net revenues before interest expense were $58.507 million and $10.963 million, respectively.

The Student Assistance Programs' notes issued under the 2012 Trust Estate are special limited obligations of the Board, secured by and payable solely from the Trust Estate established by the indenture. The notes were issued to refinance eligible student loans and retire outstanding funding notes of the Board. The Trust Estate consists of student loans acquired under the indenture, all proceeds of the notes and net revenues in the funds and accounts, and any other property pledged to the Trust Estate. The Board has pledged these assets and net revenues to repay $154.214 million of outstanding student loan backed notes which are payable through 2032. Principal and interest paid for the current year and total net revenue before interest expense were $31.991 million and $5.879 million, respectively.

The notes issued under the 2014 Trust Estate are limited obligations of the Board, secured by and payable solely from the Trust Estate established by the indenture. The notes were issued to retire outstanding student loan revenue bonds of the Board. The Trust Estate consists of student loans acquired under the indenture, all proceeds of the notes and net revenues in the funds and accounts, and any other property pledged to the Trust Estate. The Board has pledged these assets and net revenues to repay $115.836 million of outstanding student loan backed notes, which are payable through 2039. Principal and interest paid for the current year and total net revenues before interest expense were $24.637 million and $4.864 million, respectively.

The notes issued under the 2015 Trust Estate are special limited obligations of the Board, secured by and payable solely from the Trust Estate established by the indenture. The notes were issued to retire a portion of the outstanding advances from the Warehouse Facility to the Board. The Trust Estate consists of student loans acquired under the indenture, all proceeds of the notes and net revenues in the funds and accounts, and any other property pledged to the Trust Estate. The Board has pledged these assets and net revenues to repay $169.522 million of outstanding student loan backed notes, which are payable through 2043. Principal and interest paid for the current year and total net revenue before interest expense were $45.385 million and $6.398 million, respectively.

The notes issued under the 2016 Trust Estate are special limited obligations of the Board, secured by and payable solely from the Trust Estate established by the indenture. The notes were issued to retire a portion of the outstanding advances from the Warehouse Facility to the Board. The Trust Estate consists of student loans acquired under the indenture, all proceeds of the notes and net revenues in the funds and accounts, and any other property pledged to the Trust Estate. The Board has pledged these assets and net revenues to repay $263.902 million of outstanding student loan backed notes, which are payable through 2057. Principal and interest paid for the current year and total net revenue before interest expense were $64.429 million and $9.027 million, respectively.

The notes issued under the 2017 Trust Estate are limited obligations of the Board, secured by and payable solely from the Trust Estate established by the indenture. The notes were issued to retire a portion of the outstanding advances from the Warehouse Facility to the Board. The Trust Estate consists of student loans acquired under the indenture, all proceeds of the notes and net revenues in the funds and accounts, and any other property pledged to the Trust Estate. The Board has pledged these assets and net revenues to repay $267.300 million of outstanding student loan backed notes, which are payable through 2057. Principal and interest paid for the current year and total net revenue before interest expense were $60.951 million and $9.011 million, respectively.

The bonds issued under the Office Facility Bond fund are limited obligations of the Board, secured solely by a pledge of the proceeds from the sale of the bonds and the monies and revenues in the fund and accounts held by the Trustee under the indenture. No other money, revenue or income of the Board is pledged to the repayment of the Office Facility Bonds. The bonds were issued to refund the Series 2002 and Series 2004 Bonds. The Board has pledged these assets and net revenues to repay $2.695 million of outstanding Office Facility Bonds, which are payable through 2024. Principal and interest paid for the current fiscal year and total net revenues before interest expense were $812 thousand and $369 thousand, respectively.

The State's Water Loan Programs have issued recapitalization revenue bonds to provide additional capital for the State's revolving water resources loan programs. The bonds are secured by and repayments are made from the pledged principal and interest payments (pledged revenues) of specific revolving water resources loan funds. These pledged revenues will not be available for other purposes until the end of fiscal year 2023 when the bonds are completely paid off. Pledged revenues were projected to produce 150 percent of debt service requirements over the life of the bonds. The total principal and interest remaining to be paid on the bonds is $27.385 million. For the current year, principal and interest paid was $6.872 million and total repayment from pledged revenues was $19.565 million. Of the bonds payable outstanding at June 30, 2019, $25.520 million are reported in the Water Loan Programs Fund (major enterprise fund). These portions are reported as liabilities of the business-type activities on the government-wide Statement of Net Position.

Discrete Component Units

University of Utah, Utah State University and nonmajor discrete component units issued revenue bonds for various capital purposes including student housing, special events centers, student union centers, and hospital and research facilities. The bonds are secured by pledged student building fees and other income of certain college activities.

Utah Transit Authority issued revenue bonds to partially finance the purchase and construction of various capital assets, and to refund other outstanding bond issues. The bonds are secured by a pledge of sales tax revenues and other revenues of the Authority.

Information on pledged revenues for discrete component units for the fiscal year ended June 30, 2019, is presented below.

Pledged Revenue — Discrete Component Units
(dollars expressed in thousands)

	University of Utah	Utah State University	Utah Transit Authority	Nonmajor Component Units
Type of Revenue Pledged *	A, B, C	A, B	D	A
Amount of Pledged Revenue	$1,323,572	$340,646	$3,725,328	$232,724
Term of Commitment	Thru 2044	Thru 2050	Thru 2042	Thru 2049
Percent of Revenue Pledged	100.00%	100.00%	100.00%	100.00%
Current Year Pledged Revenue	$312,587	$65,886	$273,007	$23,083
Current Year Principal and Interest Paid	$100,759	$14,506	$99,955	$14,760

* Type of Revenue Pledged:

A = Student and housing fees, auxiliary net revenues from bookstores, parking, stadium and event centers, and other campus generated charges and fees.
B = Research net revenue generated from the recovery of allocated facilities and administrative rates to grants and contracts.
C = Hospital and clinic net revenues from providing various health and psychiatric services to the community.
D = Sales tax revenues and other transit revenues.

Revenue Bonds Payable — Primary Government
Governmental Activities
(dollars expressed in thousands)

Bond Issue	Date Issued	Maturity Date	Interest Rate	Original Issue	Balance June 30, 2019
SBOA Lease Revenue Bonds:					
Series 2009 E	09/09/09	2018 – 2030	4.62% – 5.77%	$ 89,470	$ 57,690
Series 2010	11/30/10	2011 – 2024	2.00% – 5.00%	$ 24,555	9,919
Series 2011	10/25/11	2012 – 2031	2.13% – 4.00%	$ 5,250	2,375
Series 2012 A	11/20/12	2017 – 2027	1.50% – 5.00%	$ 11,755	9,080
Series 2012 B	11/20/12	2013 – 2022	1.50% – 2.25%	$ 9,100	1,552
Series 2015	04/29/15	2016 – 2030	3.00% – 5.00%	$ 785	65
Series 2016	04/05/16	2016 – 2038	2.25% – 5.00%	$ 93,625	90,475
Series 2017 - Direct Placement	12/15/17	2020 – 2024	5.00%	$ 25,910	25,910
Series 2018	02/21/18	2020 – 2039	3.00% – 5.00%	$ 2,920	2,920
Total Lease Revenue Bonds Outstanding					199,986
Plus Unamortized Bond Premium					4,950
Total Lease Revenue Bonds Payable					$ 204,936

Table continues on next page

Business-type Activities
(dollars expressed in thousands)

Student Assistance Programs:					
1993 Trust Estate Student Loan Indentures	1999 – 2011	2030 – 2046	Variable and Fixed	$ 1,337,655	$ 292,411
2012 Trust Estate Student Loan Indentures	2012	2032	Variable	$ 518,700	154,214
2014 Trust Estate Student Loan Indentures	2014	2039	Variable	$ 277,000	115,836
2015 Trust Estate Student Loan Indentures	2015	2043	Variable	$ 415,500	169,522
2016 Trust Estate Student Loan Indentures	2016	2057	Variable	$ 452,250	263,902
2017 Trust Estate Student Loan Indentures	2017	2057	Variable	$ 420,000	267,300
SLPP Office Facility Bond Fund	2012	2014 – 2024	2.00% – 5.00%	$ 7,295	2,695
Total Revenue Bonds Outstanding					1,265,880
Plus Unamortized Bond Discount					(12,253)
Total Revenue Bonds Payable					$ 1,253,627
SBOA Lease Revenue Bonds:					
Series 2009 C	09/09/09	2024, 2029	5.29 %, 5.77 %	$ 16,715	$ 16,715
Series 2010	11/30/10	2011 – 2024	2.00% – 5.00%	$ 12,180	5,646
Series 2012 A	11/20/12	2017 – 2027	1.50% – 5.00%	$ 3,855	3,090
Series 2012 B	11/20/12	2013 – 2022	1.50% – 2.25%	$ 2,600	333
Series 2015	04/29/15	2016 – 2030	3.00% – 5.00%	$ 29,230	26,995
Series 2016	04/05/16	2016 – 2038	2.25% – 5.00%	$ 4,525	4,225
Series 2018	02/21/18	2020 – 2039	3.00% – 5.00%	$ 15,545	15,545
Total Lease Revenue Bonds Outstanding					72,549
Plus Unamortized Bond Premium					4,253
Total Lease Revenue Bonds Payable					$ 76,802
Water Loan Programs:					
Series 2010 C Recapitalization Revenue Bonds	02/23/10	2018 – 2022	4.19% – 4.79%	$ 31,225	$ 25,520
Total Recapitalization Revenue Bonds Outstanding					25,520
Plus Unamortized Bond Premium					0
Total Recapitalization Revenue Bonds Payable					$ 25,520
Total Revenue/Lease Revenue/Recapitalization Revenue Bonds Payable					$ 1,560,885

Revenue Bond Issues — Primary Government
Debt Service Requirements to Maturity
For Fiscal Years Ended June 30
(expressed in thousands)

	Principal							
Fiscal Year	**1993 Trust Estate Student Loan Indentures**	**2012 Trust Estate Student Loan Indentures**	**2014 Trust Estate Student Loan Indentures**	**2015 Trust Estate Student Loan Indentures**	**2016 Trust Estate Student Loan Indentures**	**2017 Trust Estate Student Loan Indentures**	**SLPP Office Facility Bond Fund**	**2009C SBOA Bonds**
2020	$ 81,500	$ 30,140	$ 18,587	$ 32,855	$ 52,176	$ 53,332	$ 715	$ 1,305
2021	47,800	29,982	18,413	31,527	50,289	51,846	725	1,370
2022	48,000	27,166	16,999	26,612	42,265	44,792	765	1,445
2023	42,000	20,362	13,699	20,773	32,375	34,642	240	1,520
2024	41,011	19,963	13,447	20,040	30,945	33,288	250	1,605
2025-2029	32,100	26,601	34,691	37,715	55,852	49,400	—	9,470
2030-2034	—	—	—	—	—	—	—	—
2035-2039	—	—	—	—	—	—	—	—
Total	$ 292,411	$ 154,214	$ 115,836	$ 169,522	$ 263,902	$ 267,300	$ 2,695	$ 16,715

Continues Below

	Principal							
Fiscal Year	**2009E SBOA Bonds**	**2010 SBOA Bonds**	**2011 SBOA Bonds**	**2012A SBOA Bonds**	**2012B SBOA Bonds**	**2015 SBOA Bonds**	**2016 SBOA Bonds**	**2017 SBOA - Direct Placement**
2020	$ —	$ 2,995	$ 415	$ 1,490	$ 1,005	$ 1,910	$ 3,475	$ 4,805
2021	—	3,145	430	1,555	665	2,020	3,625	5,120
2022	—	3,275	440	1,630	215	2,115	3,800	5,460
2023	—	3,445	455	1,710	—	2,220	4,025	5,085
2024	—	2,705	70	1,230	—	2,875	4,200	5,440
2025-2029	45,745	—	390	4,555	—	14,110	23,650	—
2030-2034	11,945	—	175	—	—	1,810	27,300	—
2035-2039	—	—	—	—	—	—	24,625	—
Total	$ 57,690	$ 15,565	$ 2,375	$ 12,170	$ 1,885	$ 27,060	$ 94,700	$ 25,910

Continues Below

Fiscal Year	Principal: 2018 SBOA Bonds	Principal: 2010C Water Loan Recap Bond	Total Principal Amount Required	Total Interest Amount Required	Total Amount Required
2020	$ 590	$ 5,955	$ 293,250	$ 49,704	$ 342,954
2021	610	6,220	$ 255,342	40,174	$ 295,516
2022	645	6,515	$ 232,139	31,916	$ 264,055
2023	675	6,830	$ 190,056	24,847	$ 214,903
2024	720	—	$ 177,789	18,900	$ 196,689
2025-2029	4,125	—	$ 338,404	35,842	$ 374,246
2030-2034	5,050	—	$ 46,280	8,688	$ 54,968
2035-2039	6,050	—	$ 30,675	2,580	$ 33,255
Total	$ 18,465	$ 25,520	$ 1,563,935	$ 212,651	$ 1,776,586

Revenue Bonds Payable — Discrete Component Units
(dollars expressed in thousands)

Bond Issue	Date Issued	Maturity Date	Interest Rate	Original Issue	Balance June 30, 2019
University of Utah Revenue Bonds	1998 - 2018	2018 – 2043	1.50% - 6.28%	$ 1,418,685	$ 967,058
Utah State University Revenue Bonds	2007 - 2018	2007 – 2050	1.03% - 5.25%	$ 300,811	224,750
Utah Transit Authority	2005 - 2018	2009 – 2042	3.00% - 5.94%	$ 3,162,942	2,193,617
Nonmajor Component Units Revenue Bonds	2004 – 2018	2013 – 2049	1.75% - 6.00%	$ 211,000	164,162
Total Revenue Bonds Outstanding					3,549,587
Plus Unamortized Bond Premium					184,668
Total Revenue Bonds Payable					$ 3,734,255

Revenue Bond Issues — Discrete Component Units
Debt Service Requirements to Maturity
For Fiscal Years Ended June 30
(expressed in thousands)

Fiscal Year	Principal: University of Utah	Principal: Utah State University	Principal: Utah Transit Authority	Principal: Nonmajor Component Units	Total Principal Required	Interest Required	Total Amount Required
2020	$ 50,175	$ 6,838	$ 17,500	$ 8,918	$ 83,431	$ 160,851	$ 244,282
2021	56,986	7,660	25,920	9,226	99,792	156,757	256,549
2022	59,345	7,993	35,075	9,199	111,612	152,406	264,018
2023	65,340	8,351	44,020	9,568	127,279	146,706	273,985
2024	68,924	8,695	55,090	11,236	143,945	140,581	284,526
2025-2029	314,510	46,148	423,661	49,624	833,943	618,829	1,452,772
2030-2034	208,161	45,835	534,121	32,926	821,043	423,919	1,244,962
2035-2039	98,402	37,650	636,590	13,935	786,577	227,535	1,014,112
2040-2044	35,602	34,100	421,640	9,805	501,147	52,563	553,710
2045-2049	9,613	19,730	—	8,540	37,883	3,072	40,955
2050-2054	—	1,750	—	1,185	2,935	85	3,020
Total	$ 967,058	$ 224,750	$ 2,193,617	$ 164,162	$ 3,549,587	$ 2,083,304	$ 5,632,891

D. Conduit Debt Obligations

The Utah Charter School Finance Authority (nonmajor discrete component unit) issued conduit debt obligations on behalf of various charter schools. The debt is the responsibility of the charter schools, and neither the State nor any political subdivision of the State is obligated in any manner for repayment of the debt. Accordingly, this debt has not been reported in the accompanying financial statements. The outstanding balance at June 30, 2019, is $356.244 million in taxable and tax-exempt conduit debt.

E. Defeased Bonds and Bond Refunding

In prior years, the State defeased certain general obligation and revenue bonds by placing the proceeds of new bonds and other monies available for debt service in irrevocable trusts to provide for all future debt service payments on the old bonds. Accordingly, the trust account assets and the liability for the defeased bonds are not included in the Statement of Net Position. At June 30, 2019, the total amount outstanding of defeased general obligation bonds was $308.780 million. At June 30, 2019, there were no outstanding defeased lease revenue bonds.

On March 15, 2018, Utah Transit Authority (major discrete component unit) issued Series 2018 Senior Lien Revenue Bonds in the amount of $83.765 million and $115.540 million in Series 2018 Subordinate Lien Revenue Bonds to provide resources to purchase qualifying open market securities that were placed in an irrevocable trust for the purpose of generating resources for the advanced refunding of certain 2017 revenue bonds, certain 2007A revenue bonds, and to finance certain capital projects. These resources are intended to provide all future debt payments for the 2017 and 2007A Bonds in the amount of $125.172 million of sales tax revenue bonds. As a result, the refunded bonds are considered to be defeased and the liability has been removed from the Authority's financial statements. The advanced refundings were undertaken to reduce total debt service payments over the next 14 years by $122.907 million, and resulted in an economic gain of $5.587 million.

In prior years, discrete component units defeased certain revenue bonds by placing the proceeds of new bonds and various bond reserves in irrevocable trusts to provide for all future debt service payments on the old bonds. Accordingly, the trust account assets and the liability for the defeased bonds are not included in the component unit column on the Statement of Net Position. At June 30, 2019, $406.770 million of college and university bonds outstanding are considered defeased.

F. Contracts Payable

Discrete component units capital leases/contracts payable include $5.047 million in life annuity contracts.

G. Pollution Remediation Obligations

Under the federal Superfund law, the State is responsible for sharing remediation costs at sites where the Environmental Protection Agency expends Superfund trust monies for cleanup. Currently there are five sites in various stages of cleanup, from initial assessment to cleanup activities. The pollution remediation liabilities associated with these sites were measured using the actual contract cost, where no changes in cost are expected, or the expected cash flow technique. Liability estimates are subject to change due to price increases or reductions, technology, or changes in applicable laws or regulations governing the remediation efforts. As of June 30, 2019, the liability is $5.324 million. The State does not anticipate recovering reimbursements from the parties who caused the pollution.

H. Notes Payable

The notes payable balance consists of notes issued by discrete component units for the purchase of buildings and equipment. The notes bear various interest rates and will be repaid over the next 10 years. They are secured by the related assets. Payment information on notes payable is presented below.

Notes Payable Debt Service Requirements to Maturity
Discrete Component Units
For the Fiscal Year Ended June 30
(expressed in thousands)

Fiscal Year	Principal: University of Utah	Principal: Utah State University	Principal: Nonmajor Component Units	Total Principal Required	Interest Required	Total Amount Required
2020	$ 2,907	$ 2,205	$ 604	$ 5,716	$ 1,677	$ 7,393
2021	2,411	2,208	612	5,231	1,450	6,681
2022	2,298	1,836	679	4,813	1,246	6,059
2023	2,341	1,233	375	3,949	1,047	4,996
2024	2,473	1,065	372	3,910	866	4,776
2025-2029	12,168	435	1,145	13,748	1,833	15,581
2030-2034	—	—	—	—	—	—
Total	$ 24,598	$ 8,982	$ 3,787	$ 37,367	$ 8,119	$ 45,486

I. Debt Service Requirements for Derivative Instruments

Business-type Activities

As explained in Note 3.F., the Student Assistance Programs (major enterprise fund) Board had issued on December 30, 2010, the Series 2010 EE bonds for the purpose of refinancing certain outstanding bonds in the 1993 indentures. As part of this issuance, the Board entered into an interest rate exchange (swap) agreement relating to the Board's student loan revenue bonds. The projected net cash flows of the swap agreement are summarized below.

Student Assistance Programs
Swap Payments and Associated Debt
For Fiscal Years Ending June 30
(expressed in thousands)

Fiscal Year	Counterparty Swap Payment: To	Counterparty Swap Payment: From	Counterparty Swap Payment: Net	Interest Payments to Bondholders	Total Payments
2020	$ (6,618)	$ 8,110	$ 1,492	$ (8,110)	$ (6,618)
2021	(4,415)	5,410	995	(5,410)	(4,415)
2022	(2,754)	3,375	621	(3,375)	(2,754)
2023	(894)	1,095	201	(1,095)	(894)
2024	(117)	145	28	(145)	(117)
Total	$ (14,798)	$ 18,135	$ 3,337	$ (18,135)	$ (14,798)

NOTE 11. DEFERRED OUTFLOWS AND INFLOWS OF RESOURCES

Deferred Outflows and Inflows of Resources reported on the Statement of Net Position as of June 30, 2019, consisted of the following:

Deferred Outflows and Inflows of Resources
(expressed in thousands)

	Primary Government		
	Governmental Activities	Business-type Activities	Discrete Component Units
Deferred Outflows:			
Deferred Amount on Refundings of Bonded Debt	$ 15,518	$ 2,816	$ 104,170
Relating to Pensions	436,885	8,738	179,238
Relating to Other Postemployment Benefits	31,034	493	365
Total Deferred Outflows	$ 483,437	$ 12,047	$ 283,773
Deferred Inflows:			
Deferred Revenue	$ 7,088	$ —	$ 559
Relating to Beneficial Interests	—	—	13,111
Deferred Amount on Refundings of Bonded Debt	—	8,086	1,441
Fair Value of Interest Rate Swap Agreements	—	10,293	—
Relating to Pensions	43,169	1,085	42,421
Relating to Other Postemployment Benefits	36,055	555	418
Total Deferred Inflows	$ 86,312	$ 20,019	$ 57,950

Of the $483.436 million deferred outflows of resources reported in the governmental activities column on the government-wide Statement of Net Position, $436.885 million represent deferred outflows relating to pensions, of which $34.099 million are reported in the Internal Service Funds; and $31.034 million represent deferred outflows relating to other postemployment, of which $2.145 million are reported in the Internal Service Funds. The remaining $15.517 million represent deferred amount on refundings of bonded debt, of which $1 thousand are reported in the Internal Service Funds.

Of the $86.312 million deferred inflows of resources reported in the governmental activities column on the government-wide Statement of Net Position, $43.169 million represent deferred inflows relating to pensions, of which $3.814 million are reported in the Internal Service Funds; and $36.055 million represent deferred inflows relating to other postemployment, of which $2.426 million are reported in the Internal Service Funds. The remaining $7.088 million in deferred revenue represent imposed fees received before the period when those resources are permitted to be used.

Deferred outflows and inflows of resources for governmental funds, proprietary funds, and discrete component units are reported in detail in their respective fund statements.

Under the modified accrual basis of accounting, governmental fund financial statements reported deferred inflows of resources of $687.487 million in unavailable revenue. This was comprised of $526.034 million from various taxes and $161.453 million from other sources.

The deferred outflows of resources relating to pensions for governmental activities of $436.885 million and for business-type activities of $8.738 million differ from the deferred outflows of resources for the primary government of $450.084 million as reported in Note 18 due to the following: Student Assistance Programs of $1.021 million and Utah Dairy Commission of $144 thousand are included in business-type activities, but are excluded in the deferred outflows of resources reported for the primary government; the Utah Schools for the Deaf and Blind (nonmajor discrete component unit) of $5.626 million is excluded from presentation in the governmental and business-type activities reported above, but is included in the deferred outflows of resources reported for the primary government.

The deferred inflows of resources relating to pensions for governmental activities of $43.169 million and for business-type activities of $1.085 million differ from the deferred inflows of resources for the primary government of $44.011 million in Note 18 due to the following: Student Assistance Programs of $477 thousand and Utah Dairy Commission of $139 thousand are included in business-type activities, but are excluded in the deferred inflows of resources reported for the primary government; the Utah Schools for the Deaf and Blind (nonmajor discrete component unit) of $373 thousand is excluded from presentation in the governmental and business-type activities reported above, but is included in the deferred inflows of resources reported for the primary government.

These differences are due to the way in which Utah Retirement Systems (pension trust and defined contribution plans) combine and report the State's retirement plans for Note 18, which is different than how the State reports the deferred outflows and inflows of resources by fund type in accordance with generally accepted accounting principles.

NOTE 12. GOVERNMENTAL FUND BALANCES, BUDGET STABILIZATION ACCOUNTS, AND NET POSITION RESTRICTED BY ENABLING LEGISLATION

A. Governmental Fund Balances – Restricted, Committed and Assigned

The State's fund balances represent: (***1***) **Restricted Purposes**, which include balances that are legally restricted for specific purposes due to constraints that are imposed by law through constitutional provisions or are externally imposed by creditors, grantors, contributors, or laws or regulations of other governments; (***2***) **Committed Purposes**, which include balances that can only be used for specific purposes pursuant to constraints imposed by formal action of the Legislature; (***3***) **Assigned Purposes**, which include balances that are constrained by the government's intent to be used for specific purposes, but are neither restricted nor committed. A summary of the nature and purpose of these reserves by fund type at June 30, 2019, follows:

Governmental Fund Balances
(expressed in thousands)

	Restricted Purposes	Committed Purposes	Assigned Purposes
General Fund:			
General Government:			
Legislature	$ —	$ 15,065	$ —
Elected Officials	282	14,211	—
Governor's Office	38	31,116	—
Administrative Services	128	57,665	—
Revenue Assessments and Collections	—	14,362	—
Human Services	2	15,233	—
Corrections	—	10,262	—
Public Safety	9,944	31,574	—
Courts	—	8,263	—
Health	148	31,244	—
Environmental Quality	—	19,683	—
Employment and Family Services	271	31,634	—
Natural Resources	22,505	125,981	—
Heritage and Arts	6	6,761	—
Business, Labor, and Agriculture	79	52,573	—
Budget Reserve (Rainy Day) Account	—	225,121	—
Medicaid Budget Stabilization Account	—	74,819	—
Industrial Assistance	—	18,995	—
Tax Accruals and Other Liabilities	—	—	249,526
Fiscal Year 2020 Appropriations:			
Line Item Appropriations	—	—	90,473
Other Purposes	9,838	50,609	—
Total	$ 43,241	$ 835,171	$ 339,999
Education Fund:			
Minimum School Program	$ 64,636	$ —	$ —
State Office of Education	84,327	—	—
School Building Program	27,842	—	—
School LAND Trust Program	85,790	—	—
Education Budget Reserve Account	471,908	—	—
Tax Accruals and Other Purposes *	267,147	—	—
Fiscal Year 2020 Appropriations:			
Line Item Appropriations	94,025	—	—
Available for Appropriation	107,275	—	—
Other Purposes	703	—	—
Total	$ 1,203,653	$ 0	$ 0
Transportation Fund:			
Transportation – Construction/Maintenance	$ 370,628	$ —	$ 4,475
Public Safety	24,233	—	—
Corridor Preservation	29,580	—	—
Aeronautical Programs	6,263	—	—
Tax Accruals and Other Purposes *	63,280	—	—
Total	$ 493,984	$ —	$ 4,475
Transportation Investment Fund:			
Transportation Investment Capacity Projects	$ —	$ 601,773	$ —
Other Purposes	—	68,522	—
Total	$ —	$ 670,295	$ 0
Permanent Fund - Trust Lands:			
Public Education System*	$ 837,820	$ —	$ —
Higher Education and Other Purposes	39,332	—	—
Total	$ 877,152	$ —	$ 0
Nonmajor Governmental Funds:			
Capital Projects	$ 108,571	$ —	$ 490,664
Debt Service	—	—	20,541
State Endowment Fund	—	245,153	—
Environmental Reclamation	8,438	6,644	—
Rural Development	—	23,498	—
Other Purposes	39,536	53,971	33,358
Total	$ 156,545	$ 329,266	$ 544,563

* Resources restricted through constitutional provisions.

B. Budget Stabilization Accounts

In accordance with Sections 63J-1-312 and 313 of the *Utah Code*, the State maintains the General Fund Budget Reserve Account in the General Fund (the "Rainy Day Fund") and an Education Fund Budget Reserve Account in the Education Fund (the "Education Reserve"). These stabilization balances can generally only be used for specific purposes detailed in Section 63J-1-312 and 313, upon appropriation by the Legislature. State law requires 25 percent of any revenue surplus in the General Fund to be deposited in the Rainy Day Fund after any required Medicaid growth savings transfer is made (see Medicaid Budget Sustainability Account discussion below) and 25 percent of any revenue surplus in the Education Fund to be deposited in the Education Reserve, in each case up to a statutory limit. State law limits the totals of the Rainy Day Fund and Education Reserve to 9 and 11 percent of appropriations from the General Fund and Education Fund, respectively, for the fiscal year in which the surplus occurred.

The Rainy Day Fund and Education Reserve are available only under specific circumstances detailed in the *Utah Code*. Historically, resources from the Rainy Day Fund or Education Reserve have only been expended during recessionary periods to cover overall budget shortfalls after the Legislature has exhausted other budgetary measures. In two instances, resources from the Rainy Day Fund were also appropriated for state settlement agreements.

Section 63J-1-217 of the *Utah Code* requires the State to maintain a balanced budget. If a budget shortfall is expected, the Governor is required to direct state agencies to reduce commitments and expenditures by an amount proportionate to any revenue shortfall until the Legislature is able to take action to rectify the shortfall. The Legislature utilizes funding reallocations, spending cuts, and reserve funds to address a shortfall. If these measures do not rectify the shortfall, the Legislature may use the stabilization funds in extreme cases. Over the past 15 years, the Rainy Day Fund has been used three times, once for a budget shortfall and twice to pay state settlement agreements. Over the same period of time, the Education reserve has been used twice for budget shortfalls.

The Rainy Day Fund and the Education Reserve ended the year with balances of $225.121 million and $471.908 million, respectively. For the fiscal year ended June 30, 2019, there was no transfer into the Rainy Day Fund because there was no revenue surplus, as defined by law. The Education Reserve received $33.510 million as a result of a revenue surplus.

In accordance with Section 63J-1-315 of the *Utah Code*, the State maintains the Medicaid Growth Reduction and Budget Stabilization Restricted Account ("Medicaid Budget Stabilization Account"). The account can only be used for specific purposes detailed in Section 63J-1-315, upon appropriation by the Legislature. The Legislature may appropriate money from the account only if Medicaid program expenditures are estimated to be 108 percent or more of Medicaid program expenditures for the previous year. This is not expected to occur routinely, as the state has implemented reforms in the Medicaid Program to bring Medicaid growth more in line with overall state revenue growth. In the seven years since the fund was created, there have been no appropriations from the fund. The account is funded in a fiscal year when there are savings in the Medicaid Program and a General Fund revenue surplus. For the fiscal year ended June 30, 2019, there was no transfer to the Medicaid Budget Stabilization Account because there was no revenue surplus, as defined by law. The account ended the year with a balance of $74.819 million.

C. Minimum Fund Balance Policies

Statutorily, the State established a minimum fund balance policy for two funds, the Disaster Recovery Restricted Account and the Local Government Emergency Response Loan Fund. In accordance with Section 53-2a-603 of the *Utah Code*, under certain circumstances, the Disaster Recovery Restricted Account may be used to provide short-term loans to a member state of the Emergency Management Assistance Compact. Loans may be issued from the account as long as the fund maintains a minimum fund balance of $10 million. Section 53-2a-607 of the *Utah Code*, requires the Local Government Emergency Response Loan Fund to provide short-term, low-interest loans to local government entities. The amount loaned may not be more than 50 percent of the total fund balance available, or an amount that will leave the fund balance at less than $10 million.

D. Net Position Restricted by Enabling Legislation

The State's net position restricted by enabling legislation represents resources which a party external to a government–such as citizens, public interest groups, or the judiciary–can compel the government to use only for the purpose specified by the legislation. The government-wide Statement of Net Position reports $7.240 billion of restricted net position, of which $33.370 million is restricted by enabling legislation.

NOTE 13. DEFICIT NET POSITION AND FUND BALANCE

Funds reporting a deficit total net position at June 30, 2019, are (in thousands):

Private Purpose Trust Funds:		
Petroleum Storage Tank	$	(8,349)
Internal Service Funds:		
Technology Services	$	(16,887)
Human Resource Management	$	(2,692)
Attorney General Legal Services	$	(11,169)
Enterprise Funds:		
State Trust Lands Administration	$	(140)

The Petroleum Storage Tank Trust covers the cleanup costs of leaks from state-approved underground petroleum storage tanks. The assets in the fund are more than adequate to pay current claims. Unfunded future claims will be funded solely by future trust revenues.

The deficit net positions in the Technology Services, Human Resource Management, and Attorney General Legal Services Funds are the result recording the funds' portions of pensions and other postemployment benefits (OPEB) as required by GASB Statements. These Statements require the recognition and reporting of the net pension liability, net OPEB liability, and related transactions, often resulting in a deficit net position. The Technology Services, Human Resource Management, and Attorney General Legal Services Funds also reported a $25.778 million deficit, a $4.691 million deficit, and a $11.169 million deficit respectively, in the unrestricted portions of their net positions at June 30, 2019, primarily as a result of implementing these Statements.

The Enterprise Fund deficit net position in State Trust Lands Administration is a result of a decrease in the royalty accruals in previous years because of general market conditions at that time. State Trust Lands Administration also reported a deficit of $675 thousand in the unrestricted portion of its net position also due to recording the fund's portions of pensions and other postemployment benefits (OPEB).

Other than noted above, funds reporting a deficit position in the unrestricted portion of their net position at June 30, 2019, are (in thousands):

Internal Service Funds:		
Fleet Operations	$	(20,791)
Risk Management	$	(5,308)
Enterprise Funds:		
Alcoholic Beverage Control	$	(10,361)
Utah Correctional Industries	$	(888)

The deficit in the Fleet Operations Internal Service Fund is mainly due to the significant investment in capital assets required for these operations. Management is working on changing how fleet vehicles are acquired, which should help reduce this deficit.

The deficit in the Risk Management Internal Service Fund is mainly because this fund experienced higher claims than it received in premiums during the fiscal year. Consequently, Risk Management has adjusted its rates and deductibles for the coming fiscal year. This deficit was also due to recording the funds' portions of pensions and other postemployment benefits (OPEB).

The deficit in the Alcoholic Beverage Control Enterprise Fund and Utah Correctional Industries is due to recording the funds' portions of pensions and other postemployment benefits (OPEB).

NOTE 14. INTERFUND TRANSFERS

Transfers between funds occur when one fund collects revenue and transfers the assets to another fund for expenditure or when one fund provides working capital to another fund. All transfers must be legally authorized by the Legislature through statute or an *Appropriation Act*. Interfund transfers for the fiscal year ended June 30, 2019, are as follows (in thousands):

	Transferred To									
	Governmental Funds						Enterprise Funds			
Transferred From	General Fund	Education Fund	Transportation Fund	Transportation Investment Fund	Trust Lands Fund	Nonmajor Governmental Funds	Water Loan Programs	Nonmajor Enterprise Funds	Internal Service Funds	Total
General Fund	$ —	$ 9,620	$ 34,100	$ —	$ 19	$ 383,622	$ 1,241	$ 12,175	$ 775	$ 441,552
Education Fund	1,134,724	—	—	—	—	200,287	—	—	—	1,335,011
Transportation Fund	51,143	—	—	38,147	—	20,077	—	—	1,033	110,400
Transportation Investment Fund	—	—	9,927	—	—	295,638	—	—	—	305,565
Trust Lands Fund	—	82,663	—	—	—	—	—	—	—	82,663
Nonmajor Governmental Funds	160,088	—	—	—	—	4,116	—	—	1,326	165,530
Unemployment Compensation Fund	2,747	—	—	—	—	—	—	—	—	2,747
Water Loan Programs	13,881	—	—	—	—	—	—	—	—	13,881
Community Impact Loan Fund	17,967	—	—	—	—	—	—	—	—	17,967
Nonmajor Enterprise Funds	120,766	1,791	—	—	—	—	—	—	—	122,557
Internal Service Funds	258	—	—	—	—	—	—	—	—	258
Total	$ 1,501,574	$ 94,074	$ 44,027	$ 38,147	$ 19	$ 903,740	$ 1,241	$ 12,175	$ 3,134	$ 2,598,131

Transfers from major governmental funds to nonmajor governmental funds are primarily for debt service expenditures and capital facility construction. Transfers from nonmajor enterprise funds to the General Fund are mostly liquor profits from the Alcoholic Beverage Control Fund that are required by statute to be deposited in the General Fund. Transfers of Trust Lands Fund (permanent fund) investment earnings are required by State constitution and statute to be deposited in the Education Fund (major governmental fund). In addition, mineral lease revenue was transfered to the Transportation Investment Fund (major capital projects fund) for the development of impacted communities related to various transportation needs. All other transfers are made to finance various programs as authorized by the Legislature.

During fiscal year 2019, the Legislature authorized transfers of $258 thousand from the Internal Service Funds to the General Fund to subsidize general fund revenues. In addition, the Legislature authorized payments of $1.166 billion to discrete component units. Payments to discrete component units are reported as expenditures in both the General Fund governmental fund statements and the governmental activities column of the Statement of Activities. They are also reported as revenues in the component units column of the Statement of Activities.

NOTE 15. TAX ABATEMENTS

The State provides tax abatements through a number of programs administered by the Governor's Office of Economic Development (GOED): the Economic Development Tax Increment Financing (EDTIF) program, the Motion Picture Incentive Program (MPIP), the New Markets Tax Credit program (NMTC), and the Utah Rural Jobs Act program (URJA). These programs offer post-performance tax abatements of corporate and individual tax revenues, which would otherwise fund education, in exchange for specific actions that are intended to benefit the State or its citizens. GOED also administers the New Convention Facility Development Incentives program (NCFDI). This program offers tax abatement of sales tax revenues, which would otherwise fund government services, in exchange for specific actions that are intended to benefit the State or its citizens.

The EDTIF program provides incentives in the form of a refundable tax credit to accelerate business growth, job creation, and to encourage economic development within specific economic development zones. A business entity must enter into an incentive agreement with GOED, which specifies performance milestones on a commercial project. According to Section 63N-2-1 of the *Utah*

Code, the project must: (***1***) be within the development zone; (***2***) include direct investment in the zone; (***3***) bring new incremental jobs to Utah; (***4***) create high-paying jobs and significant capital investment in the State or significant purchases from vendors, contractors, or service providers in the State; (***5***) generate new State revenues; and (***6***) meet the procedural eligibility requirements to qualify for a tax credit.

Each year, a business entity must apply to GOED for a tax credit certificate. GOED reviews the results of the commercial project for compliance before a credit is issued. A tax credit may not exceed 30 percent of new state tax revenues from the new project over the lesser of the life of the project or 20 years. A tax credit of up to 60 percent of new state tax revenues is allowed if a minimum $1.5 billion capital investment is made. A tax credit may not exceed 50 percent of new state tax revenues from the new project in a given year. If a business entity should fail to meet its obligations or has received more EDTIF refundable tax credits than it is entitled to, the excess amount must be returned and any future claim for credit may be denied and/or the contract may be nullified.

The MPIP provides tax credits to encourage television and movie producers to film in the State of Utah. This refundable tax credit provides financial incentives to qualified, pre-approved participants in the film industry to develop a strong motion picture presence in the State and boost the State's economy. Section 63N-8-104 of the *Utah Code* allows up to a 20 percent refundable tax credit, and an additional 5 percent, not to exceed 25 percent of the dollars left in the state by the motion picture company, if the applicant: ***(1)*** employs a significant percentage of cast and crew locally; (***2***) highlights Utah and the Utah Film Commission in the motion picture credits; and (***3***) meets other agreed-upon promotion requirements. The tax credit certificates are issued after the company completes production, pays in full all Utah-based vendors, and provides an independently reviewed financial report for verification. Each fiscal year, GOED may issue up to $6.794 million in tax credit certificates, or more if there are remaining unissued tax credits from a prior year.

The NMTC program provides incentives in the form of nonrefundable tax credits to Community Development Entities (CDE) that make qualified equity investments in small businesses. Similar to the federal program of the same name, the State NMTC program was designed to use $50 million raised by Private Community Investment Firms to bolster the most severely distressed, low-income areas of the State. According to Section 63N-2-603 of the *Utah Code,* a CDE that seeks to have an equity investment or long-term debt security certified as a qualified equity investment and as eligible for tax credits, must submit an application to GOED. Within 45 days of receiving notice of certification, the applicant must: ***(1)*** issue the qualified equity investment; ***(2)*** receive cash in the amount of the certified amount; and ***(3)*** if applicable, designate the required amount of qualified equity investment authority as federal qualified equity investments.

An entity may claim a tax credit if the entity makes a qualified equity investment and if the entity obtains a tax credit certificate. The entity may claim a portion of the tax credit during the calendar year that includes the credit allowance date. GOED calculates the tax credit amount, by multiplying the purchase price of the investment by the applicable percentage at each credit allowance date. The credit allowance percentages are: 0 percent on the first and second credit allowance dates; 12 percent on the third through fifth credit allowance dates; and 11 percent on the sixth and seventh credit allowance dates. As authorized by 63N-2-604 of the *Utah Code,* the credit may be recaptured in the following situations: ***(1)*** If any amount of the federal tax credit available is recaptured; ***(2)*** If the Qualified Community Development Entity (QCDE) redeems or makes principal repayment of a qualified equity investment before the seventh anniversary of the issuance of the qualified equity investment; ***(3)*** If the QCDE fails to invest at least 85 percent of the purchase price of the qualified equity investment in qualified low-income community investments in Utah within one year of the issuance of the qualified equity investment and fails to maintain the required investment in Utah until the last credit allowance date; and ***(4)*** If the QCDE violates the provisions of sections 63N-2-607 or 609 of the *Utah Code*.

The NCFDI program was created in order to spur the development of a co-located Utah hotel and convention space to attract larger conventions that will benefit the State by bringing in tax revenue and contributing to the economy. This tax abatement provides financial incentives to a qualified, pre-approved hotel owner or host local government. Section 63N-2-503 of the *Utah Code* allows a refund of sales tax up to a maximum annual amount based on a maximum percentage specified in the agreement, and limited to $75 million in the aggregate for the eligibility period, if the applicant develops a qualified hotel on or after July 1, 2014 that meets the following requirements: ***(1)*** the project requires a significant capital investment; ***(2)*** includes at least 85 square feet of convention, exhibit, and meeting space per guest room; and ***(3)*** is located within 1,000 feet of a convention center that contains at least 500,000 square feet of convention, exhibit, and meeting space. A qualified hotel owner or host local government that wishes to qualify for the convention incentive must submit a written claim that includes all required components described in 63N-2-505 of the *Utah Code.*

GOED entered into an agreement with a qualified hotel owner during fiscal year 2019, however, the eligibility period does not commence until construction of the qualified hotel begins and this has not yet occurred for the existing agreement. Therefore, no taxes were abated related to this project during fiscal year 2019.

The URJA program enables an eligible small business located in a rural county to expand and create high-paying jobs by providing flexible and affordable capital. This tax abatement provides financial incentives to a qualified claimant in a rural investment company that makes a credit-eligible investment of cash. Section 63N-4-304 of the *Utah Code* allows a tax credit equal to 25 percent of the claimant's total credit-eligible capital contribution in each of the taxable years that include the fourth through the seventh anniversaries of the closing date. According to Section 63N-4-303 of the *Utah Code,* a Rural Investment Company (RIC) must submit an application that includes the following: ***(1)*** a copy of a license as a federally licensed rural business investment company or as a federally licensed small business investment company; ***(2)*** evidence that before the date the application is submitted, the applicant have invested at least $50 million in nonpublic companies located in counties in the U.S. with fewer than 50,000 inhabitants; ***(3)*** a signed affidavit from each claimant stating the amount of the commitment; and ***(4)*** the sum of all credit-eligible contribution commitments, which must equal 58 percent of the total investment authority sought by the applicant. In addition, an RIC must perform the following within sixty five days of approval: ***(1)*** collect the total amount of committed credit-eligible capital contributions from each claimant included in the application; ***(2)*** collect one or more cash equity investments contributed by affiliates of the RIC; and ***(3)*** collect one or more cash investments when combined with collections in ***(1)*** and ***(2)*** equal the RICs investment authority.

As authorized by 63N-4-305 of the *Utah Code,* the credit may be recaptured in the following situations: ***(1)*** if the RIC fails to invest 100 percent of its investment authority until the seventh anniversary of the closing date; ***(2)*** if the RIC fails to maintain growth investments in this state equal to 100 percent of its investment authority until the seventh anniversary of the closing date; ***(3)*** if the RIC makes a distribution or payment that results in the RIC having less than 100 percent of its investment authority invested in growth investments in this state or available for growth investments and held in cash and other marketable securities; ***(4)*** if the RIC fails to maintain growth investments equal to 70 percent of its investment authority in eligible small businesses that maintain their principal business operations in a rural county; ***(5)*** if the RIC invests more than $5 million from its investment authority in the same eligible small business; and ***(6)*** if the RIC makes a growth investment in an eligible small business that owns or has the right to acquire an ownership interest in the RIC or makes a loan to or an investment in the RIC.

Three RICs have been given investment authority of $42 million. The applications were approved in calendar year 2017. Credits can only be claimed in taxable years that include the fourth through the seventh anniversary of the closing date; therefore, no credits will be claimed until 2022.

The gross dollar amounts, on an accrual basis, by which the State's revenues were reduced for the fiscal year ended June 30, 2019 are:

Tax Abatement Programs
(expressed in thousands)

Program		Amount of Taxes Abated
Motion Picture Incentive Program	$	16,404
Economic Development Tax Increment Financing		9,117
New Markets Tax Credit Program		6,000
Total	$	31,521

The State has other recently enacted tax abatement programs where tax abatement agreements have not been entered into or the total tax abatement for these programs is less than $300 thousand in a fiscal year. The State has no tax abatements that are entered into by other governments that reduce the State's tax revenues. In addition, the State has other various tax credit incentives that are not defined as tax abatements under generally accepted accounting principles and therefore are not described and included here. See Note 16.C. for commitments related to the tax abatements.

NOTE 16. LITIGATION, CONTINGENCIES, AND COMMITMENTS

A. Litigation

- The State is involved in various legal actions arising in the ordinary course of business. The State is vigorously contesting all of these matters, but as of this date it is not possible to determine the outcome of these proceedings. In the opinion of the Attorney General and management, the ultimate disposition of these matters will not have a material adverse effect on the State's financial position.
- In addition to the items above, the State is contesting other legal actions totaling over $14.030 million plus attorneys' fees and interest and other cases where the amount of potential loss is indeterminable. Some portions of the amounts sought have been paid by the State or placed in escrow.
- The University of Utah (major discrete component unit) is vigorously contesting a legal action where the amount of potential loss is indeterminable but estimated to be less than $10 million.

B. Contingencies

- The State receives a significant amount of funding from the federal government. Funds flowing from the federal government to the State are subject to changes to federal laws and appropriations. Based on the financial position of the federal government, it is reasonably possible that events will occur in the near term that will significantly affect the flow of federal funds to the State. The State is taking action to identify and address the impact a significant reduction of federal funds will have on the programs and operations of the State, including requiring contingency plans from state agencies.
- Financial and compliance audits (Single Audit) of federal grants, contracts, and agreements were conducted under the provisions of the Federal Office of Management and Budget's circulars. As a result of the audits, identified questioned costs are immaterial. In addition, program compliance audits by the federal government are conducted periodically; however, an estimate of any potential disallowances on these audits and findings on other audits on noncompliance cannot be estimated as to the potential liability. The Single Audit for the fiscal year ended June 30, 2019, will be available in December 2019.
- Management's estimated liability for the Petroleum Storage Tank Trust (private purpose trust fund) is highly sensitive to change based on the short period of historical data and the uncertainty in estimating costs. Since it is not possible to determine the occurrence date of a leak in an underground storage tank, it is not possible to estimate the number or the associated costs of leaks that have not been detected.
- The Utah Fund of Funds (UFOF) (legally separate entity) was created by the passage of the Utah Venture Capital Enhancement Act in fiscal year 2003 to mobilize private investments and enhance the venture capital culture and infrastructure within the State. The State's involvement in this program is limited to public oversight of the UFOF primarily in the form of approving the issuance of contingent tax credit certificates, ensuring that the UFOF is achieving its statutory purposes of spurring economic development and protecting against the redemption of contingent tax credits. The aggregate outstanding tax certificates available to the program cannot exceed: (***1***) $130 million of contingent tax credits used as collateral or a guarantee on loans for the debt-based financing of investments initiated before July 1, 2014; or ***(2)*** $120 million of contingent tax credits for a loan refinanced using debt-based or equity-based financing; and (***3***) $100 million used as an incentive for equity investments in the UFOF. The tax certificates are structured so that not more than $20 million of contingent tax credits for each $100 million increment of contingent tax liability may be redeemable in any fiscal year. At December 31, 2018, a $38 million note payable was outstanding and invested in venture capital and private equity funds. The note will mature in 2021. Under certain circumstances, the holder of a certificate is entitled to a refundable tax credit against tax liabilities imposed by Section 59-7, "Corporate Franchise and Income Taxes," or Section 59-10, "Individual Income Tax Act" of the *Utah Code*. To date, the State has not had to place any contingent tax credits into the program, and it does not anticipate the use of tax credits anytime in the near future.
- The State is self-insured for liability claims up to $2 million and beyond the excess insurance policy limit of $10 million. The State is self-insured for individual property and casualty claims up to $1 million and up to $3.5 million in aggregate claims and beyond the excess insurance policy limit of $1 billion per occurrence. According to an actuarial study and

other known factors, $63.558 million exists as either incurred but unfiled or unpaid claims. This amount is reported as a liability of the Department of Administrative Services' Risk Management Fund (internal service fund).

- The Utah School Bond Guaranty Act (Sections 53G-4-801 to 808 of the *Utah Code*), which took effect on January 1, 1997, pledges the full faith, credit, and unlimited taxing power of the State to guaranty full and timely payment of the principal and interest on general obligation bonds issued by qualifying local school boards. The primary purpose of the Guaranty Act is to reduce borrowing costs for local school boards by providing credit enhancement for Guaranteed Bonds. The local school boards do not meet the criteria for inclusion as part of the State's reporting entity.

  In the event a school board is unable to make the scheduled debt service payments on its Guaranteed Bonds, the State is required to make such payments in a timely manner. For this purpose, the State may use any available monies, may use short-term borrowing from the State Permanent School Fund (part of the permanent Trust Lands Fund), or may issue short-term general obligation notes. The local school board remains liable to the State for any such payments on Guaranteed Bonds. Reimbursements to the State may be obtained by intercepting payment of state funds intended for the local school board. The State may also compel the local school board to levy a tax sufficient to reimburse the State for any guaranty payments.

  The State Superintendent of Public Instruction is charged with monitoring the financial condition of local school boards and reporting, at least annually, its conclusions to the Governor, the Legislature, and the State Treasurer. The State Superintendent must report immediately any circumstances that suggest a local school board may not be able to pay its debt service obligations when due. The State has not advanced any monies for the payment of debt service on Guaranteed Bonds and does not expect that it will be required to advance monies for any significant period of time.

  Local school boards have $3.367 billion principal amount of Guaranteed Bonds outstanding at June 30, 2019, with the last maturity date being 2039. The State cannot predict the amount of bonds that may be guaranteed in future years, but no limitation is currently imposed by the Guaranty Act.

- The Charter School Credit Enhancement Program (Program) (Sections 53A-20b-201 to 204 of the *Utah Code*) was established to reduce borrowing costs for qualifying charter schools by providing credit enhancement on bonds issued on behalf of those schools. Bonds issued under this Program are not legal obligations of the State, and neither the State nor any political subdivision of the State is obligated in any manner for repayment of the bonds. If a charter school with bonds issued under the Program draws on its debt service reserve fund, state law requires the Governor to request an appropriation from the Legislature to restore the school's debt service reserve fund to its required level or to meet any principal or interest payment deficiency. However, the Legislature is not required to make any such appropriations. A charter school is required to repay the State any appropriations it receives to restore its debt service reserves at the time and in the manner required by the Utah Charter School Finance Authority (Authority) (nonmajor discrete component unit).

  When bonds are issued under the Program, the qualifying school pays up-front and ongoing fees at rates determined by the Authority. These fees are deposited into a restricted reserve account that was funded initially with a $3 million appropriation. These monies may be appropriated by the Legislature to replenish any deficiency in the debt service reserve fund of a charter school under the Program.

  The Authority is the conduit issuer of Credit Enhancement Program bonds and responsible for developing criteria by which a charter school qualifies to participate in the Program. The Authority is also charged with monitoring the financial condition of qualifying charter schools and certifying, at least annually, the amount required to restore amounts on deposit in the debt service reserve funds of charter schools participating in the Program. The total amount of charter school debt enhanced by the Program is limited by formula. As of June 30, 2019, $327.010 million of debt was outstanding under the Program.

- At June 30, 2019, the Utah Higher Education Assistance Authority Student Loan Guarantee Program (Student Assistance Programs, major enterprise fund) had guaranteed student loans outstanding with a current principal and interest balance of $684.579 million.

- The Attorney General of the State sued the tobacco industry for medical costs related to smoking. The State of Utah has signed on to a master settlement agreement along with 45 other states. The major tobacco manufacturers and most of the smaller manufacturers have joined the agreement. The State received $25.677 million from tobacco companies in fiscal year 2019 and expects to receive approximately $26 million in fiscal year 2020. Annual payments will be adjusted for factors, such as inflation, decreased sales volume, previously settled lawsuits, disputed payments, and legal fees.

- The Utah School Readiness Initiative (Title 35A Chapter 15 of the *Utah Code*) created the School Readiness Board (the Board) and enabled the Board to provide grants and enter into contracts with private entities in order to improve early childhood education for at-risk students. Under the terms of the contract, private investors fund the program using a social impact bond financial model. This bond offers the investors a return on investment only if students in the program meet specific education benchmarks. The maximum number of students the program will pay on is 427 per year for each of the remaining 6 years. As of June 30, 2019, the State of Utah has reserved a total of $5.860 million to cover student evaluations and any repayment of the social impact bond. The program has repaid $1.780 million to investors as of June 30, 2019. The Board authorized an additional payment to investors of $1.234 million at the October 2019 board meeting. It is anticipated the State of Utah will commit additional funds in future years as necessary.

C. Commitments

- At June 30, 2019, the Industrial Assistance Program of the General Fund had grant commitments of $18.612 million, contingent on participating companies meeting certain performance criteria.

- At June 30, 2019, the Economic Development Tax Increment Financing incentive program had outstanding long-term contract commitments for General Fund cash rebates of $83.677 million and Education Fund tax credits (tax abatements) of $577.629 million. These cash rebates and tax credits are contingent on participating companies meeting certain economic development performance criteria.

- At June 30, 2019, the Motion Picture Incentive Program had outstanding contract commitments for General Fund cash rebates of $2.248 million and Education Fund tax credits (tax abatements) of $44.449 million. These cash rebates and credits are contingent upon participating motion picture companies meeting certain within-the-state production criteria.

- At June 30, 2019, the New Markets Tax Credit program had outstanding contract commitments for Education Fund tax credits (tax abatements) of $11.000 million. These tax credits are contingent on the participating entities meeting a statutory required amount of investment in Utah companies.
- At June 30, 2019, the New Convention Facilities Development Incentives program had outstanding contract commitments for General Fund tax credits (tax abatements) of $75.000 million. These tax credits are contingent on the participating entities meeting statutorily required construction criteria.
- At June 30, 2019, the Utah Rural Jobs Act program had outstanding commitments for Education Fund tax credits (tax abatements) of $24.360 million. These tax credits are contingent on the participating entities meeting statutorily required construction criteria.
- At June 30, 2019, the Utah Department of Transportation had construction and other contract commitments of $1.158 billion, of which $424.166 million is for Transportation Fund (major fund) and $733.845 million is for projects within the Transportation Investment Fund (major capital projects fund) highway projects. These commitments will be funded with future appropriations in the Transportation Fund and through proceeds of general obligation bonds and future appropriations in the Transportation Investment Fund.
- At June 30, 2019, the permanent Trust Lands Fund had contractual commitments of $880.053 million, of which an estimated $327.466 million remain unfunded and subject to call.
- At June 30, 2019, the capital projects funds had construction commitments of $646.941 million. These commitments will be funded with legislative appropriations, intergovernmental revenues, and proceeds of general obligation and lease revenue bonds.
- At June 30, 2019, the enterprise funds had loan commitments of approximately $474.086 million and grant commitments of approximately $52.375 million.
- At its yearend December 31, 2018, the Utah Retirement Systems (pension trust and defined contribution plans) had committed to fund certain private equity partnerships, absolute return, and real asset funds projects for an amount of $12.170 billion. Funding of $9.394 billion had been provided by December 31, 2018, leaving an unfunded commitment of $2.776 billion.
- At June 30, 2019, the University of Utah (major discrete component unit) had outstanding commitments for the construction and remodeling of its buildings of approximately $62.700 million.
- The University of Utah, under the terms of various limited partnership agreements approved by the Board of Trustees or University officers, is obligated to make periodic payments for advance commitments to venture capital and private equity investments. As of June 30, 2019, the University had committed, but not paid, a total of $264.422 million in funding for these alternative investments.
- At June 30, 2019, Utah State University (major discrete component unit) had outstanding commitments for the construction and remodeling of its buildings of approximately $27.600 million.
- Utah State University, under the terms of various limited partnership agreements approved by the Board of Trustees or by University officers, is obligated to make periodic payments for advance commitments to venture capital, natural resource, and private equity investments. As of June 30, 2019, the University had committed, but not paid, a total of $28.639 million in funding for these alternative investments.
- At its yearend of December 31, 2018, the Utah Transit Authority (major discrete component unit) had outstanding purchasing commitments of approximately $91.900 million for several capital projects.

NOTE 17. JOINT VENTURES

Utah Education Network

The Utah Education Network (UEN) is a publicly funded consortium administered by the University of Utah supporting educational technology needs for Utah's public and higher education institutions, public libraries, and state agencies. UEN provides internet access for all Utah public middle schools, high schools, and higher education institutions. UEN also operates a fully interactive distance learning network interconnecting public schools and higher education institutions statewide. State appropriation support of UEN amounted to $33.801 million for the year ended June 30, 2019. UEN is not separately audited, but is included in the audited financial statements of KUEN, a public broadcasting television station operated by the University of Utah. Copies of those statements can be obtained from KUEN's administrative offices.

NOTE 18. PENSION PLANS

Utah Retirement Systems (URS) was established by Title 49 of the *Utah Code*. URS administers the pension systems and plans under the direction of the URS Board whose members are appointed by the Governor. URS has a separate accounting system and prepares a separately issued financial report covering all retirement systems and deferred compensation plans it administers. URS maintains records and prepares financial statements using fund accounting principles and the accrual basis of accounting, under which benefits and expenses are recognized when due and payable, and revenues are recorded in the accounting period in which they are earned and become measurable. URS reports on a calendar yearend. The December 31, 2018, financial report has been included in this Comprehensive Annual Financial Report as a pension trust fund for URS within the fiduciary funds. Copies of the separately issued financial report, which includes financial statements and required supplemental information, may be obtained by writing to Utah Retirement Systems, 560 East 200 South, Salt Lake City, Utah 84102-2044, or online at www.urs.org. Utah Transit Authority (major discrete component unit) does not participate in URS. See Note 18.B for a description of Utah Transit Authority pension plans.

URS operations are comprised of the following groups of systems/plans covering employees of the State and participating local government and public education entities:

- The Public Employees Noncontributory Retirement System (Noncontributory System); the Public Employees Contributory Retirement System (Contributory System); and the Firefighters Retirement System (Firefighters System), which are defined-benefit multiple-employer, cost-sharing, public employee retirement systems;

- The Public Safety Retirement System (Public Safety System), which is a defined-benefit mixed agent and cost-sharing, multiple-employer public employee retirement system;
- The Judges Retirement System (Judges System) and the Utah Governors and Legislators Retirement Plan, which are single-employer service-employee retirement systems;
- The Tier 2 Public Employees Contributory Retirement System (Tier 2 Public Employees System); and the Tier 2 Public Safety and Firefighters Contributory System (Tier 2 Public Safety and Firefighters System), which are defined-benefit multiple-employer, cost-sharing, public employee retirement systems;
- Four defined contribution plans comprised of the 401(k) Plan, 457 Plan, and Roth and Traditional IRA Plans.

The Tier 2 Public Employees System became effective July 1, 2011. All eligible employees beginning on or after July 1, 2011, who have no previous service credit with any of the Utah Retirement Systems, are members of the Tier 2 Retirement System.

A. Defined Benefit Plans - Utah Retirement Systems

Retirement benefits are specified by Title 49 of the *Utah Code*. The retirement systems are defined-benefit plans wherein the benefits are based on age and/or years of service and highest average salary. Various plan options within the systems may be selected by retiring members. Some of the options require actuarial reductions based on attained age, age of spouse, and similar actuarial factors. A brief summary of eligibility for and benefits of the systems is provided in the following table:

Summary of Benefits by System

	Noncontributory System	Contributory System	Public Safety System	Firefighters System	Judges System	Tier 2 Public Employees System	Tier 2 Public Safety and Firefighters System
Final Average Salary	Highest 3 Years	Highest 5 Years	Highest 3 Years		Highest 2 Years	Highest 5 Years	Highest 5 Years
Years of Service Required and/or Age Eligible for Benefit	30 years any age 25 years any age* 20 years age 60* 10 years age 62* 4 years age 65	30 years any age 20 years age 60* 10 years age 62* 4 years age 65	20 years any age 10 years age 60 4 years age 65		25 years any age 20 years age 55* 10 years age 62 6 years age 70	35 years any age 20 years age 60* 10 years age 62* 4 years age 65	25 years any age 20 years age 60* 10 years age 62* 4 years age 65
Benefit Percent per Year of Service**	2.00% per year all years	1.25% per year to June 1975 2.00% per year July 1975 to present	2.50% per year up to 20 years 2.00% per year over 20 years		5.00% first 10 years 2.25% second 10 years 1.00% over 20 years	1.50% per year all years	1.50% per year all years
COLA***	Up to 4.00%	Up to 4.00%	Up to 2.50% or 4.00% depending on the employer		Up to 4.00% compounded	Up to 2.50%	Up to 2.50%

Note: The Utah Governors and Legislators Retirement Plan benefits are explained below.

* With actuarial reductions.
** For members and retirees in the systems, prior to January 1, 1989, there may be a 3.00 percent benefit enhancement.
*** All post-retirement cost-of-living adjustments are non-compounding and are based on the original benefit except for Judges, which is a compounding benefit. The cost-of-living adjustments are also limited to the actual Consumer Price Index (CPI) increase for the year, although unused CPI increases not met may be carried forward to subsequent years.

Former governors at age 65 receive $1,400 per month per term. Legislators with four or more years of service receive a benefit at age 65 at the rate of $30.40 per month per year of service. Retirement at age 62 with ten or more years of service will receive an actuarial reduction. Both the governors' and legislators' benefits are adjusted based on the Consumer Price Index (CPI), limited to 4 percent of the base benefit per year.

Death benefits for active and retired employees are in accordance with retirement statutes. Upon termination of employment, members of the Systems may leave their retirement account intact for future benefits based on vesting qualification, or withdraw the accumulated funds in their individual member account and forfeit service credits and rights to future benefits upon which the contributions were based.

At December 31, 2018, the following number of employees were covered by the State's (primary government) single-employer plans:

Single-employer Plans Covered Employees
December 31, 2018

	Judges System	Governors and Legislators Retirement Plan
Inactive Employees or Beneficiaries Currently Receiving Benefits......	148	253
Inactive Employees Entitled to But Not Yet Receiving Benefits...........	4	99
Active Employees	114	52
Total Single-employer Plans Covered Employees.............................	266	404

Contribution Rates

As a condition of participation in the Defined Benefit Systems, employers and/or employees are required to contribute certain percentages of salary and wages as authorized by statute and specified by the URS Board. Contributions are actuarially determined as an amount that, when combined with employee contributions (where applicable) is expected to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded actuarial accrued liability. For the Utah Governors and Legislators plan, an annual appropriation is statutorily required to maintain this plan on a financially and actuarially sound basis. The State paid 100 percent of the contractually and statutorily required contributions. Contribution rates and contributions for the fiscal year ended June 30, 2019, are presented in the following table (dollars expressed in thousands):

Contributions

Systems/Plan	Employee Paid	Paid by Employer for Employee	Employer Paid	Primary Government	Discrete Component Units (except UTA)
Noncontributory Public Employees	$ —	—%	22.19%	$ 126,809	$ 54,083
Contributory:					
Contributory Public Employees	$ —	6.00%	17.70%	$ 863	$ 967
Tier 2 Public Employees *	$ —	—%	18.87%	$ 44,102	$ 11,282
Public Safety:					
Contributory Public Safety	$ —	—%	—%	$ —	$ —
Noncontributory Public Safety	$ —	—%	41.35%	$ 42,189	$ 1,071
Tier 2 Public Safety *	$ —	—%	29.80%	$ 10,217	$ 284
Firefighters:					
Contributory Firefighters	$ —	15.05%	4.61%	$ 58	$ —
Tier 2 Firefighters *	$ —	—%	11.34%	$ 49	$ —
Judges	$ —	—%	43.68%	$ 8,501	$ —
Utah Governors and Legislators		Annual Appropriation		$ 384	

* Tier 2 plans provide a statutory required contribution (0.08 to 18.54 percent amortization rate) to finance the unfunded actuarial accrued liability of the non-Tier 2 plans.

In addition to the contributions noted above, the primary government and discrete component units (except UTA) also paid to satisfy contribution requirements that are identified by the pension plan terms as plan member contribution requirements of $482 thousand and $331 thousand, respectively.

Below are the changes in net pension liability for the State's (primary government) single-employer system and plan:

Single-employer Plans
Changes in Net Pension Liability and Related Ratios
Increases (Decreases)
For the Fiscal Year Ended December 31, 2018
(dollars expressed in thousands)

		Judges System	Utah Governors and Legislators Retirement Plan
Total Pension Liability			
Service Cost		$ 5,682	$ 65
Interest		15,697	877
Difference between Actual and Expected Experience		7,873	139
Assumption Changes		—	—
Benefit Payments		(16,195)	(1,034)
Net Change in Total Pension Liability		13,057	47
Total Pension Liability – Beginning		230,993	13,069
Total Pension Liability – Ending	***A***	$ 244,050	$ 13,116
Plan Fiduciary Net Position			
Contributions – Employee		$ —	$ —
Contributions – Employer		8,091	392
Court Fees *		1,518	—
Net Investment Income		(730)	(41)
Benefit Payments		(16,111)	(978)
Administrative Expense		(84)	(5)
Net Transfers with Affiliated Systems		4,403	(51)
Net Change in Plan Fiduciary Net Position		(2,913)	(683)
Plan Fiduciary Net Position – Beginning		198,483	11,220
Plan Fiduciary Net Position – Ending	***B***	$ 195,570	$ 10,537
Net Pension Liability / (Asset) – Ending (A – B)		$ 48,480	$ 2,579
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability		80.14%	80.34%
Covered Payroll		$ 18,802	$ 639
Net Pension Liability as a Percentage of Covered Payroll		257.84%	403.60%

* These court fees were recognized as revenue for support provided by non-employer contributing entities.

Proportionate Share of Net Pension Asset and Liability

Utah Retirement Systems (URS) (pension trust and defined contribution plans) provides retirement benefits to employees of the primary government and its discrete component units (except UTA) as well as to public education and other political subdivisions of the State. At December 31, 2018, the net pension asset and the net pension liability for all URS systems is $0 and $5.449 billion respectively. The plan's fiduciary net position as a percent of the total pension liability is 85 percent. At December 31, 2018, the primary government's net pension asset and net pension liability is $0 and $1.170 billion, respectively. The following table summarizes the State's (primary government) net pension asset and liability by plan.

Primary Government
Net Pension Asset and Liability
December 31, 2018
(dollars expressed in thousands)

System	Net Pension Asset	Net Pension Liability	Proportionate Share 2018	Proportionate Share 2017	Proportionate Share Change
Noncontributory System	$ —	$ 856,314	23.02%	23.46%	(0.44)%
Contributory System	—	20,484	28.85%	30.98%	(2.13)%
Public Safety System	—	233,535	97.56%	97.53%	0.03 %
Firefighters System	—	494	3.80%	3.84%	(0.04)%
Judges System	—	48,480	100.00%	100.00%	— %
Utah Governors and Legislators Retirement Plan	—	2,579	100.00%	100.00%	— %
Tier 2 Public Employees System	—	7,772	18.15%	18.41%	(0.26)%
Tier 2 Public Safety and Firefighters System	—	603	24.07%	25.32%	(1.25)%
Total Net Pension Asset / Liability	$ —	$ 1,170,261			

At December 31, 2018, the net pension asset and the net pension liability for the discrete component units (except UTA) is $0 and $365.037 million, respectively. The following table summarizes the discrete component unit's net pension asset and liability by system.

Discrete Component Units (except UTA)
Net Pension Asset and Liability
December 31, 2018
(dollars expressed in thousands)

System	Net Pension Asset	Net Pension Liability	Proportionate Share 2018	Proportionate Share 2017	Proportionate Share Change
Noncontributory System	$ —	$ 336,338	9.23%	9.62%	(0.39)%
Contributory System	—	20,956	30.23%	29.06%	1.17 %
Public Safety System	—	5,745	2.46%	2.51%	(0.05)%
Tier 2 Public Employees System	—	1,987	5.28%	6.92%	(1.64)%
Tier 2 Public Safety and Firefighters System	—	11	0.49%	0.41%	0.08 %
Total Net Pension Asset / Liability	$ —	$ 365,037			

Deferred Outflows and Inflows of Resources

The net pension asset and liability was measured as of December 31, 2018, and the total pension liability used to calculate the net pension asset and liability was determined by an actuarial valuation as of January 1, 2018, and rolled-forward using generally accepted actuarial procedures. The proportion of the net pension asset and liability is equal to the ratio of the employer's actual contributions to the Systems during the plan year over the total of all employer contributions to the System during the plan year.

At December 31, 2018, the State (primary government) recognized pension expense of $284.214 million. The State's discrete component units (except UTA) recognized pension expense of $83.542 million. Deferred outflows of resources and deferred inflows of resources related to the recognition of pension expense are from the following sources:

(Notes continue on next page.)

Deferred Outflows and Inflows of Resources *
Related to Pensions

December 31, 2018

(expressed in thousands)

System	Source	Primary Government: Deferred Outflows of Resources	Primary Government: Deferred Inflows of Resources
Noncontributory System	Differences between Expected and Actual Experience	$ 4,562	$ 12,015
	Changes in Assumptions	87,098	—
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	142,467	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	4,349	24,757
	Contributions Subsequent to the Measurement Date	62,618	—
	Total	$ 301,094	$ 36,772
Contributory System	Differences between Expected and Actual Experience	$ —	$ —
	Changes in Assumptions	—	—
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	6,753	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	—	—
	Contributions Subsequent to the Measurement Date	379	—
	Total	$ 7,132	$ —
Public Safety System	Differences between Expected and Actual Experience	$ 1,363	$ 5,301
	Changes in Assumptions	16,499	—
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	36,180	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	617	—
	Contributions Subsequent to the Measurement Date	20,703	—
	Total	$ 75,362	$ 5,301
Firefighters System	Differences between Expected and Actual Experience	$ 105	$ 89
	Changes in Assumptions	263	57
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	257	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	17	23
	Contributions Subsequent to the Measurement Date	29	—
	Total	$ 671	$ 169
Judges Retirement System	Differences between Expected and Actual Experience	$ 6,756	$ —
	Changes in Assumptions	7,135	—
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	6,104	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	—	—
	Contributions Subsequent to the Measurement Date	4,280	—
	Total	$ 24,275	$ —
Governor & Legislators Plan	Differences between Expected and Actual Experience	$ —	$ —
	Changes in Assumptions	—	—
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	321	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	—	—
	Contributions Subsequent to the Measurement Date	—	—
	Total	$ 321	$ —
Tier 2 Public Employees System	Differences between Expected and Actual Experience	$ 55	$ 1,606
	Changes in Assumptions	1,948	140
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	2,531	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	2,301	—
	Contributions Subsequent to the Measurement Date	27,040	—
	Total	$ 33,875	$ 1,746
Tier 2 Public Safety and Firefighters System	Differences between Expected and Actual Experience	$ 277	$ 1
	Changes in Assumptions	574	22
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	425	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	370	—
	Contributions Subsequent to the Measurement Date	5,708	—
	Total	$ 7,354	$ 23
Grand Total	Differences between Expected and Actual Experience	$ 13,118	$ 19,012
	Changes in Assumptions	113,517	219
	Net Differences between Projected and Actual Earnings on Pension Plan Investments	195,038	—
	Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	7,654	24,780
	Contributions Subsequent to the Measurement Date	120,757	—
	Total	$ 450,084	$ 44,011

* Before amounts allocated for financial statement presentation.

Deferred Outflows and Inflows of Resources *
Related to Pensions
December 31, 2018
(expressed in thousands)

Source	Discrete Component Units (except UTA) Deferred Outflows of Resources	Discrete Component Units (except UTA) Deferred Inflows of Resources
Differences between Expected and Actual Experience	$ 1,592	$ 7,100
Changes in Assumptions	39,445	320
Net Differences between Projected and Actual Earnings on Pension Plan Investments	65,795	13,434
Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	4,085	18,183
Contributions Subsequent to the Measurement Date	36,390	—
Total	$ 147,307	$ 39,037

* Before amounts allocated for financial statement presentation.

The $120.757 million and $36.390 million reported as deferred outflows of resources by the primary government and discrete component units (except UTA), respectively, are the result of contributions subsequent to the measurement date of December 31, 2018. These contributions will be recognized as a reduction of the net pension liability in the subsequent fiscal year. Other amounts reported above as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows (in thousands):

Recognition of Remaining Deferred Outflows and (Inflows) of Resources

Year Ended December 31	Noncontributory System Primary Government	Contributory System Primary Government	Public Safety System Primary Government	Firefighters System Primary Government	Judges Retirement System Primary Government
2019	$ 91,179	$ 2,676	$ 25,440	$ 127	$ 8,657
2020	$ 27,333	$ 73	$ 2,494	$ 52	$ 5,696
2021	$ 15,719	$ 656	$ 4,318	$ 69	$ 2,678
2022	$ 67,472	$ 3,347	$ 17,106	$ 187	$ 2,964
2023	$ —	$ —	$ —	$ 33	$ —
Thereafter	$ —	$ —	$ —	$ 5	$ —

Year Ended December 31	Governors & Legislators Plan Primary Government	Tier 2 Public Employees System Primary Government	Tier 2 Public Safety and Firefighters System Primary Government	Grand Total Primary Government	Grand Total Discrete Component Units (except UTA)
2019	$ 121	$ 875	$ 180	$ 129,255	$ 32,970
2020	$ 6	$ 636	$ 146	$ 36,436	$ 9,772
2021	$ 35	$ 696	$ 156	$ 24,327	$ 3,636
2022	$ 160	$ 1,233	$ 242	$ 92,711	$ 25,072
2023	$ —	$ 227	$ 75	$ 335	$ 43
Thereafter	$ —	$ 1,422	$ 825	$ 2,252	$ 387

The total pension liability in the December 31, 2018, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Summary of Actuarial Assumptions

	Non-contributory System	Contributory System	Public Safety System	Firefighters System	Judges System	Utah Governors and Legislators Retirement Plan	Tier 2 Public Employees System	Tier 2 Public Safety and Firefighters System
Valuation Date	01/01/18	01/01/18	01/01/18	01/01/18	01/01/18	01/01/18	01/01/18	01/01/18
Measurement Date	12/31/18	12/31/18	12/31/18	12/31/18	12/31/18	12/31/18	12/31/18	12/31/18
Actuarial Cost Method	Entry Age	Entry Age	Entry Age	Entry Age	Entry Age	Entry Age	Entry Age	Entry Age
Actuarial Assumptions: Investment Rate of Return	6.95%	6.95%	6.95%	6.95%	6.95%	6.95%	6.95%	6.95%
Projected Salary Increases	3.25-9.75%	3.25-9.75%	3.25–7.25%	3.25–8.75%	3.25%	None	3.25-9.75%	3.25–8.75%
Inflation Rate	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Post-retirement Cost-of-living Adjustment	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%

Note: All post-retirement cost-of-living adjustments are non-compounding and are based on the original benefit except for Judges, which is a compounding benefit. The cost-of-living adjustments are also limited to the actual CPI increase for the year, although unused CPI increases not met may be carried forward to subsequent years.

The actuarial assumptions used in the January 1, 2018, valuation were based on the results of an actuarial experience study for the five year period ending December 31, 2016. Mortality rates were developed from actual experience and mortality tables, based on gender, occupation, and age, as appropriate, with adjustments for future improvement in mortality based on Scale AA, a model developed by the Society of Actuaries.

Target Allocations The long-term expected rate of return on pension plan investments was determined using a building-block method in which best estimates ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the Systems target asset allocation as of December 31, 2018, are summarized in the table below:

Target Allocations
Expected Return Arithmetic Basis

Asset Class	Target Asset Allocation	Real Return Arithmetic Basis	Long-term Expected Portfolio Real Rate of Return*
Equity Securities	40.00%	6.15%	2.46%
Debt Securities	20.00%	0.40%	0.08%
Real Assets	15.00%	5.75%	0.86%
Private Equity	9.00%	9.95%	0.89%
Absolute Return	16.00%	2.85%	0.46%
Cash and Cash Equivalents	0.00%	0.00%	0.00%
Total Asset Classes	100.00%		4.75%
Inflation			2.50%
Expected Arithmetic Nominal Return			7.25%

* The total URS Defined Benefit long-term expected rate of return is 6.95 percent. It is comprised of a 2.50 percent inflation rate, a real long-term expected rate of return of 4.45 percent that is net of investment expense.

Discount Rate

The discount rate used to measure the total pension liability was 6.95 percent. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current contribution rate and that contributions from all participating employers will be made at contractually required rates that are actuarially determined and certified by the URS Board. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability. The discount rate does not use the municipal bond rate. The discount rate was reduced to 6.95 percent from 7.20 percent from the prior measurement period.

Sensitivity of the proportionate share of the net pension asset and liability to changes in the discount rate: The following presents the proportionate share of the State's (primary government) net pension liability calculated using the discount rate of 6.95 percent, as well as what the proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1 percentage-point lower (5.95 percent) or 1 percentage-point higher (7.95 percent) than the current rate:

Primary Government
Changes in Discount Rate
Net Pension Liability / (Asset)
(expressed in thousands)

System	1% Decrease (5.95%)	Current Discount Rate (6.95%)	1% Increase (7.95%)
Noncontributory System	$ 1,539,192	$ 856,314	$ 285,002
Contributory System	42,926	20,484	1,333
Public Safety System	420,996	233,535	79,444
Firefighters System	1,844	494	(599)
Judges System	75,935	48,639	25,403
Utah Governors and Legislators Retirement Plan	3,912	2,640	1,559
Tier 2 Public Employees System	31,136	7,772	(10,259)
Tier 2 Public Safety and Firefighters System	4,549	603	(2,416)
Total Net Pension Liability / (Asset)	$ 2,120,490	$ 1,170,481	$ 379,467

B. Defined Benefit Plans - Utah Transit Authority

Utah Transit Authority (UTA) (major discrete component unit) offers its employees a single employer non-contributory defined benefit pension plan, The Utah Transit Authority Retirement Plan and Trust (Plan), which includes all employees of UTA who are eligible and who have completed six months of service. The Plan is a qualified government plan and is not subject to all of the provisions of ERISA. As a defined benefit pension plan, UTA contributes such amounts as are necessary, on an actuarially sound basis, to provide assets sufficient to meet the benefits to be paid. Required employee contributions were discontinued effective June 1, 1992. Participants may make voluntary contributions as described below. Interest on existing account balances is credited at 5.00 percent per year.

Although UTA has not expressed any intention to do so, UTA has the right under the Plan to discontinue its contributions at any time and to terminate the Plan. In the event the Plan terminates, the trustee will liquidate all assets of the Plan and will determine the value of the trust fund as of the next business day following the date of such termination. The trustee will allocate assets of the Plan among the participants and beneficiaries as required by law.

The Plan is administered by the Pension Committee that consists of nine (9) members, seven (7) appointed by UTA and two (2) appointed by the Amalgamated Transit Union Local 382 in accordance with a collective bargaining agreement. The members of the Pension Committee may (but need not) be participants in the Plan. In the absence of a Pension Committee, the Plan Administrator assumes the powers, duties and responsibilities of the Pension Committee with respect to the administration of the Plan. U.S. Bank serves as the administrator and custodian of the Plan, with Cambridge Associates, LLC (CA) serving as a third-party investment manager.

The Plan prepares its financial statements on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America, under which benefits and expenses are recognized when due and payable and revenues are recorded in the accounting period in which they are earned and become measurable in accordance with the terms of the Plan. Accordingly, the valuation of investments is shown at fair value and both realized and unrealized gains (losses) are included in net appreciation and depreciation in fair value of investments. The Plan does not issue a publicly available financial report, but is reported in UTA's financial statements as a component unit.

Retirement Benefits
Employees with five or more years of service are entitled to annual pension benefits beginning at normal retirement age 65, or any age with 37.5 years of service in the Plan. For participants who began participating in the Administrative Plan prior to January 1, 1994, the annual benefit is based on a retirement benefit formula equal to:

- 2.30 percent of average compensation multiplied by the participant's years of service (not exceeding 20 years), plus
- 1.50 percent of the average compensation multiplied by the participant's years of service in excess of 20 years (but such excess not to exceed 9 years of service), plus
- 0.50 percent for one year plus 2.00 percent for years in excess of 30 years not to exceed 75 percent of average compensation.

For all other active participants, the annual benefit is based on a retirement benefit formula equal to 2.00 percent of average compensation multiplied by the participant's years of service (not to exceed 37.5 years or 75 percent of average compensation).

Upon termination of employment, members may leave their retirement account intact for future benefits based on vesting qualification or withdraw the accumulated funds in their individual member account and forfeit service credits and rights to future benefits upon which the contributions were based. If employees terminate employment before rendering five years of service, they forfeit the right to receive their non-vested accrued plan benefits.

Early Retirement Benefits
The Plan allows for early retirement benefits if the participant has not reached the age of 65 but is at least age 55 with a vested benefit. Benefits under early retirement are equal to the value of the accrued pension, if the participant had retired at the age of 65, reduced 5.00 percent per year if the payments begin before age 65.

Disability Benefits
The Plan allows for disability benefits. A member who becomes permanently disabled after 5 years of service will immediately receive the greater of the actuarially-reduced monthly accrued benefit or $90 per month, reduced by any UTA sponsored disability plans. Payment of the disability benefit ends at age 65.

Death Benefits
If a participant's death occurs before age 55, but after 5 years of service, the present value of the participant's accrued vested benefit is payable to the participant's beneficiary in the form of a single lump sum regardless of the amount. If a participant's death occurs after age 55 and 5 years of service, the participant's beneficiary can elect to receive a benefit equal to the greater of:

1) A survivor's pension as if the participant had retired on the date before the death with a 100 percent joint and survivor annuity in effect, or
2) The present value of the survivor's pension, or
3) If a spouse of 2 or more years or a minor child, the participant's contribution with interest, plus 50 percent of the average compensation, payable in the form of a lump sum, or
4) A 10-year term certain.

A participant may elect a joint and survivor annuity with 100, 75 or 50 percent to be continued to the beneficiary upon the death of the participant.

Lump Sum Distributions
Payment in a lump sum, regardless of amount, may be made with the participant's written consent. Effective September 1, 2012, a participant who has not previously received benefits may elect a partial lump sum payment with the remaining part to be paid in the same manner as the traditional annuity. During calendar year 2018, 37 participants in each respective year elected to receive their benefit in the form of lump sum distribution. Lump sum distributions collectively totaled $4.650 million for 2018. Individuals are removed from the Plan's membership if they choose to take all of their benefit as a lump sum distribution.

As of December 31, 2018, the Plan's membership consisted of:

Utah Transit Authority Retirement Plan and Trust Membership
December 31, 2018

Active participants	2,165
Inactive participants not receiving benefits	343
Participants due refunds	12
Retirees and beneficiaries receiving benefits	629
Total	3,149

Contributions

Employer Contribution Requirements

UTA's contribution rates are determined by the Pension Committee and approved by the Board of Trustees based on the current collective bargaining agreement and the minimum and maximum funding levels recommended by the Plan's actuary. The Authority's contribution rate consists of (1) an amount for normal cost, the estimated amount necessary to finance benefits earned by participants during the current year, and (2) an amount for amortization of the unfunded or excess funded actuarial accrued liability over the service life of the vested participants. The rates are determined using the entry age actuarial cost method. The Authority's Board of Trustees adopted a contribution rate policy of 16.00 percent for calendar year 2018 and subsequent years. Employer contributions in calendar year 2018 totaled $22.355 million, which represented 105.43 percent of the annual actuarial recommended contributions.

Participant Voluntary Contributions

A participant who is vested in the Plan may make voluntary contributions into the Plan, and transfer funds from the Employee 457 Deferred Compensation Plan, for the purpose of purchasing "permissive service credit" (as defined in Internal Revenue Code Section 415(N)(3)(A)), in the Plan. No more than 5 years of "permissive service credit" may be purchased. Any purchase of "permissive service credit" must be made in the final year of employment with UTA.

Below are the changes in net pension liability for the Plan:

Utah Transit Authority Retirement Plan and Trust
Changes in Net Position Liability and Related Ratios
Increases (Decreases)
For the Fiscal Year Ended December 31, 2018
(expressed in thousands)

Total Pension Liability		
Service Cost		$ 9,551
Interest		21,513
Difference between Actual and Expected Experience		4,893
Assumption Changes		—
Member voluntary contributions		224
Benefit Payments		(15,475)
Net Change in Total Pension Liability		20,706
Total Pension Liability – Beginning		305,381
Total Pension Liability – Ending	*A*	$ 326,087
Plan Fiduciary Net Position		
Member voluntary contributions		$ 224
Contributions – Employer		22,355
Net Investment Income		(16,630)
Benefit Payments		(15,475)
Administrative Expense		(440)
Net Change in Plan Fiduciary Net Position		(9,966)
Plan Fiduciary Net Position – Beginning		204,505
Plan Fiduciary Net Position – Ending	*B*	$ 194,539
Net Pension Liability / (Asset) – Ending (A – B)		$ 131,548
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability		59.66%
Covered Payroll		$ 132,521
Net Pension Liability as a Percentage of Covered Payroll		99.27%

Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At December 31, 2018, UTA reported a net pension liability of $131.548 million. The net pension liability was measured as of December 31, 2018, and was determined by an actuarial valuation as of January 1, 2018 and rolled-forward using generally accepted actuarial procedures. For the year ended December 31, 2018, UTA recognized pension expense of $25.104 million.

Utah Transit Authority Retirement Plan and Trust
Deferred Outflows and Inflows of Resources Related to Pensions
December 31, 2018
(expressed in thousands)

Source	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between Expected and Actual Experience	$ (1,226)	$ 7,633
Changes in Assumptions	(2,158)	6,406
Net Differences between Projected and Actual on Pension Plan Earnings	—	17,892
Changes in Proportion and Differences Between Contributions and Proportionate Share of Contributions	—	—
Contributions Subsequent to the Measurement Date	—	—
Total	$ (3,384)	$ 31,931

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized as pension expense as follows:

Utah Transit Authority Retirement Plan and Trust
Recognition of Remaining Deferred Outflows and (Inflows) of Resources
(expressed in thousands)

For the Fiscal Year End December 31	
2019	$ 8,144
2020	$ 5,681
2021	$ 4,313
2022	$ 7,991
2023	$ 1,906
Thereafter	$ 511

Actuarial assumptions

Actuarial valuation of the Plan involves estimates of the reported amounts and assumptions about the probability of occurrence of events into the future. Examples include assumptions about future mortality and future salary increases. Amounts determined regarding the net pension liability are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future. The last experience study was performed for the five consecutive calendar years ending December 31, 2008. The total pension liability as of December 31, 2018, is based on the results of an actuarial valuation date of January 1, 2018, and rolled-forward using generally accepted actuarial procedures. The significant actuarial assumptions and methods used in the January 1, 2018 valuation are as follows:

(Table on next page)

Utah Transit Authority Retirement Plan and Trust
Summary of Actuarial Assumptions

Actuarial Cost Method	Entry Age Normal
Inflation	2.30%
Salary Increases	5.40% per annum for the first five (5) years of employment; 3.40% per annum thereafter
Investment rate of return	7.00%
Cost of Living Adjustments	None
Mortality	RP-2014 Blue Collar Mortality Table, with MP-2014 Project Scale (Preretirement; Employee Table; Post-retirement Annuitant Table)
Bond Buyer General Obligation 20-Bond Municipal Bond Index	3.44%
Percent of Future Retirement Electing Lump Sum	20.00%

The actuarial assumptions used in the January 1, 2018 valuation were based on the results of an actuarial experience study for the five year period ending December 31, 2008.

Investment Policy and Target Allocation

The Pension Committee has adopted an Investment Policy Statement (IPS). The IPS is reviewed by the Pension Committee once a year, and was amended effective February 2016 to revise the asset classes. A normal weighting is now indicated for each asset class. The IPS was also amended to provide a list of prohibited investments.

All Plan investments are stated at fair value. Most types of marketable or actively traded investments are priced by nationally known vendors. In the event that an investment is not priced by the primary vendor, the Custodian (US Bank) engages a secondary vendor or other source. Purchases and sales are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

In setting the long-term asset policy for the Plan, the Committee has opted to provide a minimum and maximum allowable allocation to the major asset classes. Best estimates of the compound nominal rates of return for each major asset class included in the Plan's target asset allocation is summarized in the table below:

Utah Transit Authority Retirement Plan and Trust
Policy Allocation

	Target Asset Allocation	Range	Long-term Expected Return
Global Equity	63.00%	51% - 75%	6.90%
Liquid Diversifiers	10.00%	0% - 15%	5.80%
Real Assets	4.00%	0% - 8%	7.80%
Fixed Income	22.00%	12% - 32%	4.40%
Cash & Equivalents	1.00%	0% - 5%	3.30%
Total	100.00%		

The long-term rate of return is selected by the Plan's Pension Committee after a review of the expected inflation and long term real returns, reflecting expected volatility and correlation. The 7.00 percent assumed investment rate of return is comprised of an inflation rate of 2.30 percent and a real return of 4.70 percent net of investment expense.

The money-weighted rate of return considers the changing amounts actually invested during a period and weights the amount of pension plan investments by the proportion of time they are available to return during that period. External cash flows are determined on a monthly basis and are assumed to occur at the middle of each month. External cash inflows are netted with external cash outflows, resulting in a net external cash flow each month. The money-weighted rate of return is calculated net of investment expenses. For the calendar year ending, December 31, 2018, the annual money-weighted rate of return, net of investments was (7.77) percent.

Discount Rate

The discount rate used to measure the total pension liability was 7.00 percent. The discount rate incorporates a municipal bond rate of 3.44 percent based on the Bond Buyer General, Obligation 20-Bond Municipal Bond Index. The projection of cash flows used to determine the discount rate assumed that contributions will be made based on the actuarially determined rates recommended by UTA's Pension Committee and approved by the Board of Trustees. Based on those assumptions, the Plan's fiduciary net position was projected to be available to make all the projected future benefit payments of current active and inactive Plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability. The following sensitivity analysis assumes rate volatility of plus and minus one percent of the discount rate of 7.00 percent.

Utah Transit Authority Retirement Plans Changes in Discount Rate Net Pension Liability (Asset)
(expressed in thousands)

	1% Decrease (6.0%)	Current Discount Rate (7.0%)	1% Increase (8.0%)
Net Pension Liability	$ 173,037	$ 131,548	$ 97,093

C. Defined Contribution Plans

The 401(k), 457, and Roth and Traditional IRA Plans, in which the State participates and administered by URS, are defined contribution plans. These plans are available as supplemental plans to the basic retirement benefits of the Retirement Systems and a primary retirement plan for some Tier 2 participants. Contributions may be made into the plans subject to plan and Internal Revenue Code limitations. Employer contributions may be made into the 401(k) and 457 Plans at rates determined by the employers and according to Title 49 of the *Utah Code*. There are 466 employers participating in the 401(k) Plan and 293 employers participating in the 457 Plan. There are 178,010 plan participants in the 401(k) Plan, 18,336 participants in the 457 Plan, 12,232 participants in the Roth IRA Plan, and 2,383 participants in the Traditional IRA Plan.

After termination of employment, benefits are paid out to individuals in lump sum, or as periodic benefit payments, at the option of the participant based on individual account balances and plan provisions. The Defined Contribution Plans account balances are fully vested to the participants at the time of deposit except for Tier 2 required employer contributions and associated earnings during the first four years of employment. Investments in the vested portion of the Defined Contribution Plans are individually directed and controlled by plan participants. Investments of the plans are reported at fair value.

Employees of the State are eligible to participate in the defined contribution 401(k), 457, and Roth and Traditional IRA Plans. Employees, who contribute to a 401(k), 457, or IRA will get a match from the State of up to $26 per pay period. In addition, the State and participating employers are required to contribute 1.50 percent of an employee's salary into a 401(k) for those employees who participate in the noncontributory system. The amounts contributed to the 401(k) Plan during the year ended June 30, 2019, by employees and employers are as follows: for primary government,

$38.459 million and $33.781 million; for component units, $5.446 million and $8.444 million, respectively. The amounts contributed by employees to the 457, and Roth and Traditional IRA Plans (primary government and discrete component units) were $7.484 million, $5.843 million, and $297 thousand, respectively.

For the Tier 2 Public Employee System, Tier 2 Public Safety System, and the Tier 2 Firefighters System, the State and participating employers are required to contribute varying amounts into a 401(k). The amounts range from 0.74 to 1.15 percent of an employee's salary for the hybrid defined benefit systems and 10 to 12 percent of an employee's salary for the defined contribution systems. These contributions vest immediately, except for the Tier 2 401(k) required contributions that are subject to a 4 year vesting period. The primary government and discrete component units paid in 401(k) defined contributions required by statute $8.810 million and $1.754 million, respectively. In addition to these contributions, the Tier 2 plans provide a statutory required contribution (0.08 to 18.54 amortization rate) to finance the unfunded actuarial accrued liability of the non-Tier 2 (defined benefit) plans.

Teachers Insurance and Annuity Association

Teachers Insurance and Annuity Association (TIAA) and Fidelity Investments, privately administered defined-contribution retirement plans, provide individual retirement fund contracts for each eligible participating employee. Eligible employees are mainly state college/university faculty and staff. Benefits to retired employees are generally based on the value of the individual contracts and the estimated life expectancy of the employee at retirement and are fully vested from the date of employment. The total current year required contribution and the amount paid is 14.20 percent of the employee's annual salary. The State has no further liability once annual contributions are made.

The total contribution made by the colleges and universities (discrete component units) to the TIAA retirement system for June 30, 2019 and 2018, were $266.359 million and $246.549 million, respectively.

Utah Transit Authority

The Utah Transit Authority (UTA) (major discrete component unit) offers its employees a deferred compensation plan created in accordance with Internal Revenue Code Section 457. The plan is available to all employees on a voluntary basis and permits them to defer a portion of their salaries until future years. The deferred compensation is not available to employees until termination, retirement, death or unforeseeable emergency.

All assets and income of the plan are held in trust for the exclusive benefit of the participants and their beneficiaries. As part of its fiduciary role, UTA has an obligation of due care in selecting the third party administrators. In the opinion of management, UTA has acted in a prudent manner and is not liable for losses that may arise from the administration of the plan. The deferred compensation assets are held by third party plan administrators and are generally invested in money market funds, stock or bond mutual funds or guarantee funds as selected by the employee.

NOTE 19. OTHER POSTEMPLOYMENT BENEFITS

The State administers the State Employee Other Postemployment Benefit Plan (State Employee OPEB Plan) through the State Post-Retirement Benefits Trust Fund, as set forth in Section 67-19d-201 of the *Utah Code*. A separate Elected Official Other Post-employment Benefit Plan (Elected Official OPEB Plan) is provided for governors and legislators, and this plan is administered through the Elected Official Post-Retirement Benefits Trust Fund as set forth in Section 67-19d-201.5 of the *Utah Code*. Both trust funds are irrevocable and legally protected from creditors. Both are also administered under the direction of a board of trustees, which consists of the State Treasurer, the Director of the Division of Finance, and the Director of the Governor's Office of Management and Budget or a designee. Neither plan issues a publicly available financial report, but are included in this report of the primary government.

State Employee OPEB Plan Description

At the option of individual state agencies, employees may participate in the State Employee OPEB Plan, a single-employer defined benefit healthcare plan, as set forth in Section 67-19-14.2 of the *Utah Code*. Only state employees who are entitled to receive retirement benefits are eligible to receive postemployment health and life insurance benefits, and in some situations dental coverage, from the State Employee OPEB Plan. Upon retirement, employees receive up to 25 percent of the value of their unused accumulated sick leave, earned prior to January 1, 2006, as a mandatory employer contribution into a 401(k) account. Employees may exchange eight hours of their remaining unused accumulated sick leave for one month of paid health and life insurance coverage up to age 65. After age 65, employees may use the balance of unused accumulated sick leave, earned prior to January 1, 2006, to exchange for spouse health insurance to age 65, or Medicare supplemental insurance for employee or spouse. In addition, any full-time employees of the Utah State Board of Education and the Utah Schools for the Deaf and Blind (nonmajor discrete component unit) hired before July 1, 2012, who have attained at least five consecutive years of service with the agency, have the option of receiving postemployment health, dental, and life insurance coverage for up to five years or until reaching age 65 regardless of their unused sick leave balance. Also, judges have their own retiree health coverage that is part of the State Employee OPEB Plan. The State Employee OPEB Plan is closed to new entrants since it is only applicable to employees eligible for retirement who have sick leave earned prior to January 1, 2006, or employees of the Utah State Board of Education hired before July 1, 2012.

Elected Official OPEB Plan Description

The Elected Official OPEB Plan is a single-employer defined benefit healthcare plan, as set forth in Section 49-20-404 of the *Utah Code*. Only governors and legislators (elected officials) who retire after January 1, 1998, and have four or more years of service can elect to receive and apply for health insurance coverage or Medicare supplemental coverage. The State will pay 40 percent of the benefit cost for four years of service and up to 100 percent for ten or more years of service for elected officials and their spouses.

To qualify for health insurance coverage, an elected official must be between 62 and 65 years of age and either be an active member at the time of retirement or have continued coverage with the program until the date of eligibility. In addition, to qualify for health insurance coverage, an elected official must have service as a legislator or governor prior to January 1, 2012.

To qualify for Medicare supplemental coverage, an elected official must be at least 65 years of age. In addition, the elected official must retire under Chapter 19, *Utah Governors' and Legislators' Retirement Act*, and began service as an elected official prior to July 1, 2013. The Plan is closed to new entrants.

At June 30, 2019, the following number of employees were covered by the State's single-employer OPEB plans: *(Table on next page)*

Single-employer Plans Covered Employees
June 30, 2019

	State Employee OPEB Plan	Elected Official OPEB Plan
Inactive Employees or Beneficiaries Currently Receiving Benefits	3,171	91
Inactive Employees Entitled to But Not Yet Receiving Benefits	—	115
Active Employees	5,438	49
Total Single-employer Plans Covered Employees	8,609	255

State Employee OPEB Plan Contributions

The contribution requirements of employees and the State are established, and may be amended, by the State Legislature. For retirees who participate in the State Employee OPEB Plan, health insurance premiums are paid 100 percent by the State for individuals who retired before July 1, 2000. Individuals retiring thereafter are required to contribute specified amounts monthly, ranging from 0 to 30.1 percent, toward the cost of health insurance premiums. For the fiscal year ended June 30, 2019, retirees contributed $1.541 million, or approximately 4.80 percent of total premiums, through their required contributions of $0 to $802.80 per month depending on the coverage (single, double, or family) and health plan selected.

The Actuarially Determined Contribution (ADC) of $25.9 million, from the December 31, 2016, actuarial valuation, was used to establish the fiscal year 2019 annual budget and fund employer contributions. The State Legislature funded $26.510 million in employer contributions, $582 thousand more than the ADC.

Elected Official OPEB Plan Contributions

For the fiscal year ended June 30, 2019, elected officials who participated in the Elected Official OPEB Plan contributed $30 thousand, or approximately 6.79 percent of total premiums, through their required contributions of $0 (for 10 or more years of service) to $922.22 per month (for four years of service) depending on the coverage (single or double) and health plan selected.

The Actuarially Determined Contribution (ADC) of $1.026 million from the December 31, 2016, actuarial valuation was used to establish the fiscal year 2019 annual budget and fund employer contributions. For the fiscal year 2019, the State Legislature funded $1.388 million in employer contributions, $362 thousand more than the ADC.

Net OPEB Liability

The net OPEB liability was measured as of June 30, 2019. The total OPEB liability, used to calculate the net OPEB liability, was determined by an actuarial valuation as of December 31, 2018, and rolled-forward using generally accepted actuarial procedures. The combined total net OPEB liability, for both single-employer plans, was $70.088 million, and of that amount, the State's (primary government) net OPEB liability was $69.443 million, and $645 thousand was allocated to the Utah Schools for the Deaf and Blind (nonmajor discrete component unit). Below are the changes in the net OPEB liability and related ratios of the net OPEB liability for the single-employer OPEB plans:

Single-employer Plans
Changes in Net OPEB Liability and Related Ratios
Increases (Decreases)
For the Year Ended June 30, 2019
(dollars expressed in thousands)

		State Employee OPEB Plan	Elected Official OPEB Plan
Total OPEB Liability			
Service Cost		$ 5,189	$ 733
Interest		12,749	908
Difference between Actual and Expected Experience		(28,055)	(245)
Assumption Changes		31,163	(347)
Benefit Payments		(30,560)	(412)
Net Change in Total OPEB Liability		(9,514)	637
Total OPEB Liability – Beginning		349,916	16,766
Total OPEB Liability – Ending	A	$ 340,402	$ 17,403
Plan Fiduciary Net Position			
Contributions – Employee		$ —	$ —
Contributions – Employer		26,510	1,388
Net Investment Income (Loss)		24,082	1,287
Benefit Payments		(30,560)	(412)
Administrative Expense		—	—
Net Transfers with Affiliated Systems		356	—
Net Change in Plan Fiduciary Net Position		20,388	2,263
Plan Fiduciary Net Position – Beginning		251,464	13,602
Plan Fiduciary Net Position – Ending	B	$ 271,852	$ 15,865
Net OPEB Liability / (Asset) – Ending (A – B)		$ 68,550	$ 1,538
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability		79.86%	91.16%
Covered Payroll*		$ 1,032,288	
Net OPEB Liability as a Percentage of Covered Payroll		6.64%	
Covered-employee Payroll*			$ 1,317
Net OPEB Liability as a Percentage of Covered-employee Payroll			116.78%

***** Contributions to the State Employee Plan are based on a measure of pay, therefore covered payroll is presented in the above schedule. Contributions to the Elected Official OPEB Plan are based on appropriations and not on a measure of pay; therefore, for that plan the covered-employee payroll is presented.

Deferred Outflows and Inflows of Resources and OPEB Expense

For the year ended June 30, 2019, the total OPEB expense was $7.233 million, $7.164 million for the State Employee OPEB Plan, and $69 thousand for the Elected Official OPEB Plan. Of the total OPEB expense, the State (primary government) recognized $7.149 million, and $84 thousand was allocated to the Utah Schools for the Deaf and Blind (nonmajor discrete component unit).

Total deferred inflows of resources related to the recognition of OPEB expense was $37.028 million, of which $36.610 million was recognized by the State, and $418 thousand was allocated to the Utah Schools for the Deaf and Blind.

Total deferred outflows of resources related to the recognition of OPEB expense was $31.892 million, of which $31.527 million was recognized by the State, and $365 thousand was allocated to the Utah Schools for the Deaf and Blind.

Deferred inflows of resources related to OPEB came from the following source:

Deferred Outflows and Inflows of Resources Related to OPEB
June 30, 2019
(expressed in thousands)

Source	State Employee OPEB Plan Deferred Outflows	State Employee OPEB Plan Deferred Inflows	Elected Official OPEB Plan Deferred Outflows	Elected Official OPEB Plan Deferred Inflows	Total Deferred Outflows	Total Deferred Inflows
Differences between expected and Actual Experience	$ —	$ 22,444	$ —	$ —	$ —	$ 22,444
Changes in Assumption	$ 24,931	$ —	$ —	$ —	$ 24,931	$ —
Net Differences between Projected and Actual Earnings on OPEB Plan Investments	$ 6,951	$ 13,878	$ 10	$ 706	$ 6,961	$ 14,584

Amounts reported above as deferred inflows and deferred outflows of resources related to OPEB will be recognized in OPEB expenses as follows:

Recognition of Remaining
Deferred Outflows and Inflows of Resources
Fiscal Year Ended June 30, 2019
(expressed in thousands)

Fiscal Year	Deferred Outflows: State Employee OPEB Plan	Deferred Outflows: Elected Official OPEB Plan	Deferred Inflows: State Employee OPEB Plan	Deferred Inflows: Elected Official OPEB Plan
2020	$ 8,550	$ 4	$ 9,606	$ 243
2021	$ 8,550	$ 3	$ 9,606	$ 243
2022	$ 8,549	$ 3	$ 8,555	$ 110
2023	$ 6,233	$ —	$ 8,555	$ 110

The total OPEB liability in the December 31, 2018, valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Summary of Actuary Assumptions

	State Employee OPEB Plan	Elected Official OPEB Plan
Actuarial Valuation Date	12/31/2018	12/31/2018
Measurement Date	6/30/2019	6/30/2019
Actuarial Cost Method	Entry Age Normal	
Investment Rate of Return	3.00%	5.25%
Inflation Rate	2.40%	
Healthcare Inflation Rate	5.40% initial 3.94% ultimate	

Mortality rates were based on the RP-2014 mortality table for both pre-retirement and post-retirement mortality assumption, along with 75 percent of the MP-2015 projection scale for mortality improvement. This projection scale applies "generational" improvements to longevity, based on the concept that children will live longer than their parents. The actuarial assumptions were updated since the prior measurement period based on the assumptions used in the Utah Retirement Systems actuarial valuation as of January 1, 2017 based on the results of an actuarial experience study for the five-year period ending December 31, 2016. The medical trend assumptions used in the valuation were developed using the Society of Actuaries (SOA) Long-Run Medical Cost Trend Model (version 2019_b). The Per Capita Claims Costs (PCCC) aging factors were updated for pre-Medicare and post-Medicare retirees from the prior measurement date. The healthcare trend rate assumption was also updated from the prior measurement date to reflect the 2019 SOA Long-Run Medical Cost Trend model.

Investment Policy and Target Allocations

The State Treasurer is responsible for investing the assets of the State Employee OPEB Plan and the Elected Official OPEB Plan. The State Treasurer has an investment committee which establishes the asset allocation for the OPEB plans with the primary goal of providing for the stability, income, and growth of the principal. The asset allocation for the plans is not expected to change substantially over the short or intermediate time horizons in response to short-term market movements, but may change incrementally based upon long-term capital market projections. For the fiscal year ended June 30, 2019, the annual money-weighted rate of return on investments, net of investment expense, was 9.72 percent for the State Employee OPEB Plan and 11.65 percent for the Elected Official OPEB Plan. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

The long-term expected rate of return on OPEB plan investments was determined using a building-block method in which best estimate ranges of expected future real rates of return (expected returns, net of OPEB plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in each plan's target asset allocation as of June 30, 2019, are summarized below:

State Employee OPEB Plan
Target Allocations
Expected Return Arithmetic Basis

Asset Class	Target Asset Allocation	Real Return Arithmetic Basis	Long-term Expected Portfolio Real Rate of Return
Debt Securities	90.00%	0.90%	0.80%
Real Estate	10.00%	2.00%	0.20%
Total Asset Classes	100.00%		1.00%
Inflation			2.00%
Expected Arithmetic Nominal Return			3.00%

Elected Official OPEB Plan
Target Allocations
Expected Return Arithmetic Basis

Asset Class	Target Asset Allocation	Real Return Arithmetic Basis	Long-term Expected Portfolio Real Rate of Return
Equity Securities	55.00%	5.00%	2.73%
Debt Securities	35.00%	0.90%	0.32%
Real Estate	10.00%	2.00%	0.20%
Total Asset Classes	100.00%		3.25%
Inflation			2.00%
Expected Arithmetic Nominal Return			5.25%

Discount Rates

The discount rate used to measure the total OPEB liability was 3.00 percent for the State Employee OPEB Plan and 5.25 percent for the Elected Official OPEB Plan. The discount rate for the State Employee OPEB Plan was reduced from 3.75 percent to 3.00 percent from the prior measurement period based on lower expected inflation in the future.

The projection of cash flows used to determine the discount rates assumed that future State contributions will be equal to the Actuarially Determined Contribution (ADC) as calculated in each future valuation. Based on those assumptions, the OPEB Plan's Fiduciary Net Position for both plans was projected at the beginning of each year to be sufficient to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on the OPEB Plan's investments for both plans, was applied to all periods of projected benefit payments to determine the total OPEB liability. The discount rates do not incorporate a municipal bond rate.

The following presents the net OPEB liability for the State for both plans, calculated using the discount rate of 3.00 percent for the State Employee OPEB Plan and 5.25 percent for the Elected Official OPEB Plan, as well as what the net OPEB liability would be if it were calculated using a discount rate that is 1 percentage-point lower (2.0 percent - State Employee OPEB Plan, 4.25 percent - Elected Official OPEB Plan) or 1 percentage-point higher (4.00 percent - State Employee OPEB Plan, 6.25 percent - Elected Official OPEB Plan) than the current rate:

Changes in Discount Rate
Net OPEB Liability / (Asset)
(expressed in thousands)

OPEB Plan	1% Decrease (2.00%)	Current Discount Rate	1% Increase (4.00%)
State Employee OPEB Plan	$ 88,297	$ 68,550	$ 49,896
	1% Decrease (4.25%)	**Current Discount Rate**	**1% Increase (6.25%)**
Elected Official OPEB Plan	$ 4,257	$ 1,538	$ (643)
Total Net OPEB Liability / (Asset)	$ 92,554	$ 70,088	$ 49,253

The following presents the net OPEB liability of the State, as well as what the State's net OPEB liability would be if it were calculated using healthcare cost trend rates that are 1 percentage-point lower (4.4 percent decreasing to 2.9 percent) or 1 percentage-point higher (6.4 percent decreasing to 4.9 percent) than the current healthcare cost trend rates:

Healthcare Cost Trend Rates
Net OPEB Liability / (Asset)
(expressed in thousands)

OPEB Plan	1% Decrease (4.4% decreasing to 2.9%)	Current Discount Rate (5.4% decreasing to 3.9%)	1% Increase (6.4% decreasing to 4.9%)
State Employee OPEB Plan	$ 45,067	$ 68,550	$ 94,573
Elected Official OPEB Plan	(715)	1,538	4,325
Total Net OPEB Liability / (Asset)	$ 44,352	$ 70,088	$ 98,898

NOTE 20. RISK MANAGEMENT AND INSURANCE

It is the policy of the State of Utah to use a combination of commercial insurance and self-insurance to cover the risk of losses to which it may be exposed. This is accomplished by the State through the Risk Management Fund (internal service fund) and the Public Employees Health Program (PEHP) (major discrete component unit). The Risk Management Fund manages the general property, auto/physical damage, and general liability risks of the State. PEHP manages the group medical, dental, life insurance, and long-term disability programs of the State. The State is a major participant in both of these programs with all state funds and departments included. All state colleges, universities, school districts, most charter schools, and other state discrete component units participate in the Risk Management Fund. PEHP also provides insurance coverage to approximately 370 local governments, school districts, and other public entities within the State.

All participants share the risk within the Risk Management Fund property and auto risk pools. Participants in the Risk Management Fund general liability program are divided into higher education, school district, transportation department, and other state departments risk pools. All participants share the risk within the life insurance, Medicare Supplement, and long-term disability pools of PEHP. The PEHP medical and dental programs are divided into state and various other employers risk pools.

The State has determined that the Risk Management Fund and PEHP can economically and effectively manage the State's risks internally and have set aside assets for claim settlements through reserves. Risks are also covered through commercial insurance for excessive losses. The State is self-insured for liability claims up to $2 million and beyond the excess insurance policy limit of $10 million. The State is self-insured for individual property and casualty claims up to $1 million and up to $3.5 million in aggregate claims and beyond the excess insurance policy limit of $1 billion per occurrence. The Risk Management Fund has not had a liability loss that exceeded the State's self-insured claim limit of $1 million for the fiscal years ended June 30, 2017 and June 30, 2018. The fund had losses that exceeded the State's self-insured claim limit of $1 million for the fiscal year ended June 30, 2019.

PEHP has reinsurance coverage for a life catastrophic occurrence in excess of $7.5 million, not to exceed $80 million per year with a one-time reinstatement with additional premium. PEHP also has excess medical reinsurance for medical losses that exceed $1.25 million on a person per year to a maximum of $2 to $5 million during the person's lifetime, depending on the participating group's lifetime maximum.

The Risk Management Fund and PEHP allocate the cost of providing claims servicing, claims payment, and commercial insurance by charging a premium to each participating public entity or employee. Premiums are based on each organization's recent trends in actual claims experience and property values. The primary government and discrete component units of the State paid premiums to PEHP for health and life insurance coverage in fiscal year 2019 of $323.112 million and $48.394 million, respectively.

Risk Management and PEHP claims liabilities are reported when it is probable that a claim has occurred and the ultimate cost of settling that claim can be reasonably estimated and includes an amount for claims that have been incurred but not reported. Because actual claims liabilities are affected by complex factors (i.e., inflation, changes in legal doctrines and insurance benefits, and unanticipated damage awards), the process used in computing claims liabilities does not necessarily result in exact amounts. Claims liabilities are recomputed periodically by actuaries who take into consideration recently settled claims, frequency of claims, and other economic or social factors. Inflation and other appropriate modifiers are included in this calculation because reliance is based on historical data. The Risk Management Fund general liability program reserves of $60.414 million are reported using a discount rate of 2 percent. The PEHP long-term disability benefit reserves of $18.726 million are reported using discount rates between 2 and 5.75 percent.

All employers who participate in the Utah Retirement Systems are eligible to participate in the Public Employees Long-term Disability Program according to Section 49-21-201 of the *Utah Code*. Employees of state departments who meet long-term disability eligibility receive benefits for the duration of their disability up to the time they are eligible for retirement or until age 65. Benefits beginning after a three-month waiting period are paid 100 percent by the program. As of June 30, 2019, there were 157 state employees receiving benefits. The program is funded by paying premiums to PEHP where assets are set aside for future payments. For the fiscal year ended June 30, 2019, the primary government and the discrete component units of the State paid premiums for the Long-term Disability Program of $5.165 million and $291 thousand, respectively.

The State covers its workers' compensation risk by purchasing insurance from Workers' Compensation Fund (a related organization). The University of Utah, Utah State University, Southern Utah University, Salt Lake Community College, and Utah Valley University (major and nonmajor discrete component units) each maintain self-insurance funds to manage health/dental care and report claims liabilities if it is probable that a liability has been incurred as of the date of the financial statements and the amount of the loss can be reasonably estimated. The University of Utah also maintains a self-insurance fund to manage medical malpractice liabilities. The University of Utah and the University of Utah Hospital and Clinics also have a "claims made" umbrella malpractice insurance policy in an amount considered adequate by their respective administrations for catastrophic malpractice liabilities in excess of the trusts' fund balances.

Utah Transit Authority (UTA) (major discrete component unit) is self-insured for amounts up to the maximum statutory liability in any one accident of $2.5 million. UTA has Railroad Liability Coverage of $100 million per annum with $5 million of risk retention. UTA is self-insured for worker's compensation up to the amount of $1 million per incident and has excess insurance for claims over this amount. UTA has insurance for errors and omissions and damage to property in excess of $100 thousand per annum.

The following table presents the prior and current year changes in claims liabilities balances (short and long-term combined). The Risk Management and College and University self-insurance balances are for the fiscal years ended June 30, 2018 and June 30, 2019. The PEHP and UTA balances are for the calendar years ended December 31, 2017 and December 31, 2018:

(Table on next page)

Changes in Claims Liabilities
(expressed in thousands)

	Beginning Balance	Current Year Claims and Changes in Estimates	Claims Payments	Ending Balance
Risk Management:				
2018	$ 53,645	$ 17,404	$ (13,719)	$ 57,330
2019	$ 57,330	$ 22,050	$ (15,822)	$ 63,558
Public Employees Health Program:				
December 31, 2017	$ 148,268	$ 654,802	$ (653,463)	$ 149,607
December 31, 2018	$ 149,607	$ 694,933	$ (697,527)	$ 147,013
Utah Transit Authority:				
December 31, 2017	$ 5,096	$ 1,082	$ (4,682)	$ 1,496
December 31, 2018	$ 1,496	$ 3,118	$ (3,458)	$ 1,156
College and University Self-Insurance:				
2018	$ 99,474	$ 256,444	$ (258,733)	$ 97,185
2019	$ 97,185	$ 355,736	$ (346,063)	$ 106,858

NOTE 21. SUBSEQUENT EVENTS

Subsequent to June 30, 2019, the Governor's Office of Economic Development Board recommended and the director approved $50.4 million of additional commitments to be credited over the next several years for the Economic Development Tax Increment Financing (EDTIF) and Motion Picture Incentive (MPIP) programs. These commitments are contingent on participating companies meeting certain economic development performance criteria and within-the-state production criteria.

On August 30, 2019, University of Utah (major discrete component unit) issued $50 million of new capital lease debt at 2.29 percent interest, for furniture and technology equipment related to its hospital.

On August 22, 2019, Utah State University (USU) (major discrete component unit) issued $54.995 million of Student Fee and Housing System Revenue Bonds, Series 2019. Principal on the bonds is due annually commencing April 1, 2021 through June 30, 2049. Bond interest is due semi-annually commencing October 1, 2019 at rates ranging from 2.125 to 5.00 percent. Proceeds from these bonds are for the purpose of financing the costs of constructing a six-story student apartment building; a multi-level parking structure on the University main campus; and to pay costs of issuance.

On October 16, 2019, USU issued $5.745 million Series 2019A Research Revenue Refunding Bonds to refund the Series 2018A Research Revenue Bonds.

On July 10, 2019, the Utah Transit Authority (UTA) (major discrete component unit) approved a $7.100 million agreement with a private organization to provide micro-transit service to the cities of Bluffdale, Draper, Herriman, Riverton, Sandy, and South Jordan.

On August 8, 2019, UTA entered into three new service vehicle leases totaling $9.880 million with lease terms ranging from 5 to 12 years.

UTA is currently in the process of issuing up to $540 million of sales tax revenue and refunding bonds to refund and restructure portions of the 2012 and 2015 outstanding bonds and provide up to $75 million for capital projects. The bond sale date was November 6, 2019 with bond closing to occur around November 26, 2019.

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REQUIRED SUPPLEMENTARY INFORMATION

Budgetary Comparison Schedule
General Fund
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Original Budget	Final Budget	Actual	Variance with Final Budget
Revenues				
General Revenues				
Sales Tax	$ 2,101,634	$ 2,130,444	$ 2,116,255	$ (14,189)
Licenses, Permits, and Fees:				
Court Fees	24,858	26,629	14,325	(12,304)
Other Licenses, Permits, and Fees	12,944	12,722	11,361	(1,361)
Investment Income	18,251	32,023	34,771	2,748
Miscellaneous Taxes and Other:				
Beer Tax	7,692	8,361	8,347	(14)
Cigarette and Tobacco Tax	105,432	100,720	97,691	(3,029)
Insurance Premium Tax	135,361	143,602	136,637	(6,965)
Oil, Gas, and Mining Severance Tax	28,971	29,261	24,520	(4,741)
Taxpayer Rebates	—	—	—	—
Court Collections	5,871	7,350	4,338	(3,012)
Other Taxes	48,913	50,483	40,746	(9,737)
Miscellaneous Other	14,517	12,398	9,797	(2,601)
Total General Revenues	2,504,444	2,553,993	2,498,788	(55,205)
Department Specific Revenues				
Sales Tax	6,314	22,648	22,902	254
Federal Contracts and Grants	3,417,380	3,100,506	3,100,506	—
Departmental Collections	522,905	523,113	523,160	47
Higher Education Collections	843,359	866,404	866,404	—
Federal Mineral Lease	74,348	77,104	77,607	503
Investment Income	2,650	5,881	6,132	251
Miscellaneous	690,939	766,924	766,957	33
Total Department Specific Revenues	5,557,895	5,362,580	5,363,668	1,088
Total Revenues	8,062,339	7,916,573	7,862,456	(54,117)
Expenditures				
General Government	515,095	520,846	392,611	128,235
Human Services and Juvenile Justice Services	959,199	936,728	920,636	16,092
Corrections	339,829	335,964	325,004	10,960
Public Safety	327,488	344,201	304,305	39,896
Courts	173,656	167,663	159,328	8,335
Health and Environmental Quality	3,619,646	3,511,633	3,433,626	78,007
Higher Education – State Administration	115,024	96,323	96,323	—
Higher Education – Colleges and Universities	1,896,598	1,934,617	1,934,582	35
Employment and Family Services	969,574	794,943	769,815	25,128
Natural Resources	313,125	328,761	263,504	65,257
Heritage and Arts	40,497	38,102	31,231	6,871
Business, Labor, and Agriculture	147,143	126,377	99,519	26,858
Total Expenditures	9,416,874	9,136,158	8,730,484	405,674
Excess Revenues Over (Under) Expenditures	(1,354,535)	(1,219,585)	(868,028)	351,557
Other Financing Sources (Uses)				
Sale of Capital Assets	3	3	3	—
Transfers In	1,057,461	1,505,527	1,505,527	—
Transfers Out	(223,034)	(467,552)	(467,552)	—
Total Other Financing Sources (Uses)	834,430	1,037,978	1,037,978	0
Net Change in Fund Balance	(520,105)	(181,607)	169,950	351,557
Budgetary Fund Balance – Beginning	787,520	787,520	787,520	—
Budgetary Fund Balance – Ending	$ 267,415	$ 605,913	$ 957,470	$ 351,557

The *Information About Budgetary Reporting* is an integral part of this schedule.

Budgetary Comparison Schedule
Education Fund
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Original Budget	Final Budget	Actual	Variance with Final Budget
Revenues				
General Revenues				
Individual Income Tax	$ 4,138,628	$ 4,171,942	$ 4,338,732	$ 166,790
Corporate Tax	364,648	549,426	527,070	(22,356)
Miscellaneous Other	38,206	47,156	42,944	(4,212)
Total General Revenues	4,541,482	4,768,524	4,908,746	140,222
Department Specific Revenues				
Federal Contracts and Grants	520,392	361,777	361,777	—
Departmental Collections	9,887	9,276	9,276	—
Federal Mineral Lease	—	—	—	—
Investment Income	919	4,579	5,217	638
Miscellaneous:				
Liquor Sales Allocated for School Lunch	41,036	48,024	48,024	—
Driver Education Fee	5,922	6,449	6,449	—
Property Tax for Charter Schools	29,055	22,206	22,661	455
Other	12,538	10,946	10,944	(2)
Total Department Specific Revenues	619,749	463,257	464,348	1,091
Total Revenues	5,161,231	5,231,781	5,373,094	141,313
Expenditures				
Public Education	5,275,077	4,220,663	4,078,783	141,880
Total Expenditures	5,275,077	4,220,663	4,078,783	141,880
Excess Revenues Over (Under) Expenditures	(113,846)	1,011,118	1,294,311	283,193
Other Financing Sources (Uses)				
Transfers In	93,499	94,074	94,074	—
Transfers Out	(1,037,906)	(1,335,011)	(1,335,011)	—
Total Other Financing Sources (Uses)	(944,407)	(1,240,937)	(1,240,937)	0
Net Change in Fund Balance	(1,058,253)	(229,819)	53,374	283,193
Budgetary Fund Balance – Beginning	882,715	882,715	882,715	—
Budgetary Fund Balance – Ending	$ (175,538)	$ 652,896	$ 936,089	$ 283,193

The *Information About Budgetary Reporting* is an integral part of this schedule.

Budgetary Comparison Schedule
Transportation Fund
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Original Budget	Final Budget	Actual	Variance with Final Budget
Revenues				
General Revenues				
Motor Fuel Tax	$ 366,912	$ 364,127	$ 371,619	$ 7,492
Special Fuel Tax	147,782	139,379	142,333	2,954
Licenses, Permits, and Fees:				
Motor Vehicle Registration Fees	48,041	48,750	49,745	995
Proportional Registration Fees	16,783	17,368	17,863	495
Temporary Permits	224	226	223	(3)
Special Transportation Permits	11,371	11,233	11,365	132
Highway Use Permits	11,119	12,933	13,260	327
Motor Vehicle Control Fees	6,499	6,332	6,390	58
Investment Income	700	4,000	7,105	3,105
Miscellaneous Other	—	—	12	12
Total General Revenues	609,431	604,348	619,915	15,567
Department Specific Revenues				
Sales and Aviation Fuel Taxes	6,200	6,200	6,542	342
Federal Contracts and Grants	382,098	386,374	386,374	—
Departmental Collections	43,685	56,759	58,244	1,485
Investment Income	217	2,017	2,412	395
Miscellaneous	24,897	56,180	56,180	—
Total Department Specific Revenues	457,097	507,530	509,752	2,222
Total Revenues	1,066,528	1,111,878	1,129,667	17,789
Expenditures				
Transportation	1,049,388	1,115,600	998,100	117,500
Total Expenditures	1,049,388	1,115,600	998,100	117,500
Excess Revenues Over (Under) Expenditures	17,140	(3,722)	131,567	135,289
Other Financing Sources (Uses)				
Sale of Capital Assets	—	31,134	31,134	—
Transfers In	44,158	44,027	44,027	—
Transfers Out	(99,335)	(110,400)	(110,400)	—
Total Other Financing Sources (Uses)	(55,177)	(35,239)	(35,239)	0
Net Change in Fund Balance	(38,037)	(38,961)	96,328	135,289
Budgetary Fund Balance – Beginning	351,996	351,996	351,996	—
Budgetary Fund Balance – Ending	$ 313,959	$ 313,035	$ 448,324	$ 135,289

The *Information About Budgetary Reporting* is an integral part of this schedule.

Budgetary Comparison Schedule
Budget to GAAP Reconciliation
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	General Fund	Education Fund	Transportation Fund
Revenues			
Actual total revenues (budgetary basis)	$ 7,862,456	$ 5,373,094	$ 1,129,667
Differences – Budget to GAAP:			
Intrafund revenues are budgetary revenues but are not revenues for financial reporting	(511,334)	—	(3,051)
Higher education and Utah Schools for the Deaf and the Blind collections are budgetary revenues but are not revenues for financial reporting	(871,324)	(8,224)	—
Change in revenue accrual for nonbudgetary Medicaid claims	7,643	—	—
Change in tax accruals designated by law and other liabilities are revenues for financial reporting but not for budgetary reporting	22,146	6,224	7,379
Change in estimated federal receivables recorded as revenues for financial reporting but not for budgetary reporting	—	67,205	—
Education related collections that are revenues for financial reporting but not for budgetary reporting	—	304	—
Total revenues as reported on the Statement of Revenues, Expenditures, and Changes in Fund Balances – Governmental Funds	$ 6,509,587	$ 5,438,603	$ 1,133,995
Expenditures			
Actual total expenditures (budgetary basis)	$ 8,730,484	$ 4,078,783	$ 998,100
Differences – Budget to GAAP:			
Intrafund expenditures for reimbursements are budgetary expenditures but are not expenditures for financial reporting	(511,334)	—	(3,051)
Expenditures related to higher education and Utah Schools for the Deaf and the Blind collections are budgetary expenditures but are not expenditures for financial reporting	(871,324)	(8,224)	—
Certain budgetary transfers and other charges are reported as an increase or reduction of expenditures for financial reporting	22,047	—	—
Leave charges budgeted as expenditures when earned rather than when taken or due	(516)	(15)	(246)
Change in estimated liabilities recorded as expenditures for financial reporting but not for budgetary reporting	—	68,164	—
Change in accrual for Medicaid (incurred but not reported) claims excluded from the budget by statute	10,285	—	—
Change in accrual for Rehabilitation (incurred but not reported) claims excluded from the budget by statute	866	—	—
Taxpayer rebates budgeted as revenue offset but recorded as expenditures for financial reporting	5,800	—	—
Total expenditures as reported on the Statement of Revenues, Expenditures, and Changes in Fund Balances – Governmental Funds	$ 7,386,308	$ 4,138,708	$ 994,803

The *Information About Budgetary Reporting* is an integral part of this schedule.

INFORMATION ABOUT BUDGETARY REPORTING

Budgetary Presentation

A Budgetary Comparison Schedule is presented for the General Fund and each of the State's major special revenue funds for which the Legislature enacts an annual budget. An annual budget is also adopted for the Transportation Investment Fund, a major capital projects fund, the Debt Service Fund, a nonmajor governmental fund, and the Alcoholic Beverage Control Fund, a nonmajor enterprise fund. The budgets are enacted through passage of *Appropriations Acts.* Budgets for specific general revenues are not adopted through an *Appropriations Act*, but are based on supporting estimates approved by the Executive Appropriations Committee of the Legislature. General revenues are those revenues available for appropriation for any program or purpose as allowed by law. Department-specific revenues are revenues dedicated by an *Appropriations Act* or restricted by other law or external grantor to a specific program or purpose.

Original budgets and related revenue estimates represent the spending authority enacted through *Appropriations Acts* as of June 30, 2019, and include nonlapsing carryforward balances from the prior fiscal year. Final budgets represent the original budget as amended by supplemental appropriations and related changes in revenue estimates, executive order reductions when applicable, and changes authorized or required by law when department-specific revenues either exceed or fall short of budgeted amounts.

Unexpended balances at yearend may: (***1***) lapse to unrestricted balances (committed, assigned, or unassigned) and be available for future appropriation; (***2***) lapse to restricted balances and be available for future appropriation restricted for specific purposes as defined by statute; or (***3***) be nonlapsing, which means balances are reported as either restricted or committed fund balance. The nonlapsing balances are considered automatically reappropriated as authorized by statute, by an *Appropriations Act*, or by limited encumbrances.

Budgetary Control

In September of each year, all agencies of the government submit requests for appropriations to the Governor's Office of Management and Budget so that a budget may be prepared. The budget is prepared by fund, function, and activity and includes information on the past year, current year estimates, and requested appropriations for the next fiscal year.

In January, the Governor recommends a budget to the Legislature. The Legislature considers those recommendations and prepares a series of *Appropriations Acts* that modify the State budget for the current year and constitute the State budget for the following year. The Legislature passes the *Appropriations Acts* by a simple majority vote. The *Appropriations Acts* becomes the State's authorized operating budget upon the Governor's signature. The *Constitution of Utah* requires that budgeted expenditures not exceed estimated revenues and other sources of funding, including beginning balances.

Budgetary control is maintained at the functional or organizational level, as identified by numbered line items in the *Appropriations Acts.* Budgets may be modified if federal funding or revenue specifically dedicated for a line item exceeds original estimates in the *Appropriations Acts*. If funding sources are not sufficient to cover the appropriation, the Governor is required to reduce the budget by the amount of the deficiency. Any other changes to the budget must be approved by the Legislature in a supplemental *Appropriations Act*.

Any department that spends more than the authorized amount must submit a report explaining the overspending to the State Board of Examiners. The Board will recommend corrective action, which may include a request to the Legislature for a supplemental appropriation to cover the deficit. If a supplemental appropriation is not approved, the department must cover the overspending with the subsequent year's budget. All appropriated budgets of the State were within their authorized spending levels.

Spending Limitation

The State also has an appropriation limitation statute that limits the growth in state appropriations. The total of the amount appropriated from unrestricted General Fund sources plus the income tax revenues appropriated for higher education is limited to the growth in population and inflation. The appropriations limitation can be exceeded only if a fiscal emergency is declared and approved by more than two-thirds of both houses of the Legislature, or if approved by a vote of the people. However, the appropriations limitation statute may be amended by a majority of both houses of the Legislature. Appropriations for debt service, emergency expenditures, amounts from other than unrestricted revenue sources, transfers to the Budgetary Reserve Account (Rainy Day Fund), Education Budget Reserve Account and the Transportation Investment Fund; or capital developments meeting certain criteria are exempt from the appropriations limitation. For the fiscal year ended June 30, 2019, the State was $597.068 million below the appropriations limitation.

INFORMATION ABOUT THE STATE'S PENSION PLANS

A. Single-employer Plans - Utah Retirement Systems

The State's defined benefit pension systems/plan is administered by Utah Retirement Systems and is included in this Comprehensive Annual Financial Report as a pension trust fund within the fiduciary funds. The Judges System and the Utah Governors and Legislators Retirement Plan are single-employer service retirement plans.

The following schedules present for the State's (primary government) single-employer retirement plans Changes in the Net Pension Liability and Related Ratios and Schedule of Employer Contributions.

Changes in Net Pension Liability
Single-employer Plans - Utah Retirement Systems
Last Five Calendar Years ending December 31 *
(dollars expressed in thousands)

Judges System		Calendar Year 2014	2015	2016	2017	2018
Total Pension Liability						
Service Cost		$ 4,895	$ 4,794	$ 5,023	$ 5,328	$ 5,682
Interest		13,641	14,136	14,064	14,866	15,697
Difference between Actual and Expected Experience		2,602	171	1,995	809	7,873
Assumption Changes		(130)	—	2,885	13,067	—
Benefit Payments		(11,361)	(12,400)	(12,330)	(13,700)	(16,195)
Net Change in Total Pension Liability		9,647	6,701	11,637	20,370	13,057
Total Pension Liability – Beginning		182,638	192,285	198,986	210,623	230,993
Total Pension Liability – Ending	*A*	$ 192,285	$ 198,986	$ 210,623	$ 230,993	$ 244,050
Plan Fiduciary Net Position						
Contributions – Employee		$ 317	$ —	$ —	$ —	$ —
Contributions – Employer **		5,627	6,555	7,382	7,563	8,091
Court Fees ***		1,486	1,653	1,470	1,477	1,518
Net Investment Income		11,068	2,842	13,820	23,435	(730)
Benefit Payments		(11,361)	(12,400)	(12,330)	(13,621)	(16,111)
Administrative Expense		(71)	(71)	(71)	(79)	(84)
Net Transfers with Affiliated Systems		1,092	1,334	1,600	4,090	4,403
Net Change in Plan Fiduciary Net Position		8,158	(87)	11,871	22,865	(2,913)
Plan Fiduciary Net Position – Beginning		155,676	163,834	163,747	175,618	198,483
Plan Fiduciary Net Position – Ending	*B*	$ 163,834	$ 163,747	$ 175,618	$ 198,483	$ 195,570
Net Pension Liability (A - B)		$ 28,451	$ 35,239	$ 35,005	$ 32,510	$ 48,480
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability		85.20%	82.29%	83.38%	85.93%	80.14%
Covered Payroll		$ 15,264	$ 16,372	$ 16,755	$ 18,661	$ 18,802
Net Pension Liability as a Percentage of Covered Payroll		186.39%	215.24%	208.92%	174.21%	257.84%
Utah Governors and Legislators Retirement Plan						
Total Pension Liability						
Service Cost		$ 106	$ 99	$ 90	$ 67	$ 65
Interest		884	890	851	879	877
Difference between Actual and Expected Experience		307	(105)	167	182	139
Assumption Changes		—	—	241	264	—
Benefit Payments		(909)	(904)	(941)	(978)	(1,034)
Net Change in Total Pension Liability		388	(20)	408	414	47
Total Pension Liability – Beginning		11,879	12,267	12,247	12,655	13,069
Total Pension Liability – Ending	*A*	$ 12,267	$ 12,247	$ 12,655	$ 13,069	$ 13,116
Plan Fiduciary Net Position						
Contributions – Employer		$ 411	$ 421	$ 421	$ 404	$ 392
Net Investment Income		717	181	849	1,353	(41)
Benefit Payments		(909)	(904)	(941)	(973)	(978)
Administrative Expense		(5)	(5)	(4)	(5)	(5)
Net Transfers with Affiliated Systems		(14)	(20)	(12)	89	(51)
Net Change in Plan Fiduciary Net Position		200	(327)	313	868	(683)
Plan Fiduciary Net Position – Beginning		10,166	10,366	10,039	10,352	11,220
Plan Fiduciary Net Position – Ending	*B*	$ 10,366	$ 10,039	$ 10,352	$ 11,220	$ 10,537
Net Pension Liability (A - B)		$ 1,901	$ 2,208	$ 2,303	$ 1,849	$ 2,579
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability		84.50%	81.97%	81.80%	85.85%	80.34%
Covered Payroll		$ 1,045	$ 946	$ 799	$ 722	$ 639
Net Pension Liability as a Percentage of Covered Payroll		181.91%	233.40%	288.24%	256.09%	403.60%

* The State of Utah adopted GASB Statement 68 in fiscal year 2015. This schedule will eventually include ten years of history.

** Employer-paid contributions for the Judges System include a 3 percent retirement increase (substantial substitute) that is not reflected in this schedule.

*** These court fees were recognized as revenue for support provided by nonemployer contributing entities.

Contributions – The following schedule presents a ten year history of the State's (primary government) contributions to the Utah Retirement Systems for its single-employer plans:

Employer Contributions
Single-employer Plans - Utah Retirement System
(dollars expressed in thousands)

Last Ten Fiscal Years

	Fiscal Year	Contractually Required Contribution	Contributions in Relation to the Contractually Required Contribution	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
Judges System............................	2010	$ 2,427	$ 2,427	$ 0	$ 14,203	17.09%
	2011	$ 3,475	$ 3,475	$ 0	$ 14,650	23.72%
	2012	$ 3,839	$ 3,839	$ 0	$ 14,870	25.82%
	2013	$ 4,910	$ 4,910	$ 0	$ 14,937	32.87%
	2014	$ 5,335	$ 5,335	$ 0	$ 14,989	35.59%
	2015	$ 6,179	$ 6,179	$ 0	$ 15,453	39.99%
	2016	$ 7,154	$ 7,154	$ 0	$ 17,204	41.58%
	2017	$ 7,728	$ 7,728	$ 0	$ 18,347	42.12%
	2018	$ 7,958	$ 7,958	$ 0	$ 18,641	42.69%
	2019	$ 8,501	$ 8,501	$ 0	$ 19,462	43.68%
Utah Governors and Legislators Retirement Plan[1].....	2010	—	—	—	—	—
	2011	$ 153	$ 153	$ 0	$ 771	19.84%
	2012	$ 214	$ 214	$ 0	$ 757	28.27%
	2013	$ 252	$ 252	$ 0	$ 1,431	17.61%
	2014	$ 411	$ 411	$ 0	$ 1,783	23.05%
	2015	$ 411	$ 411	$ 0	$ 1,751	23.47%
	2016	$ 421	$ 421	$ 0	$ 943	44.64%
	2017	$ 421	$ 421	$ 0	$ 799	52.69%
	2018	$ 392	$ 392	$ 0	$ 860	45.58%
	2019	$ 384	$ 384	$ 0	$ 848	45.28%

[1] Complete information not available prior to fiscal year 2011.

Footnotes to Single-employer Plans - Utah Retirement Systems Schedule of Contributions

Methods and Assumptions Used to Determine Contribution Rates

	Judges System	Utah Governors and Legislators Retirement Plan
Actuarial cost method	Entry Age	Entry Age
Amortization method	Level Percent of Payroll	Level Dollar Amount
Amortization period	Open Group 20 -Year Open Period	Closed Group 16-Year Closed Period
Actuarial asset valuation method	Based on the total fair value income of investments with the excess or shortfall of actual investment income over or under the expected investment return smoothed over 5 years. One-fifth of the excess or shortfall is recognized each year for five years.	
Actuarial assumptions:		
Investment rate of return	6.95%	
Projected salary increases**	3.25%	None
Inflation rate	2.50%	
Post-retirement cost-of-living adjustment*	2.50%	
Mortality: (Judges):	Male: 90% of 2017 Public Retirees of Utah (PR Utah) Mortality Table for males, projected with Scale AA from the year 2017. Female: 90% of 2017 Public Retirees of Utah (PR Utah) Mortality Table for females, projected with Scale AA from the year 2017.	
Mortality: (Utah Governors and Legislators):	Male: 110% of 2017 Public Retirees of Utah (PR Utah) Mortality Table for males, projected with Scale AA from the year 2017. Female: 110% of 2017 Public Retirees of Utah (PR Utah) Mortality Table for females, projected with Scale AA from the year 2017.	

*All post-retirement cost-of-living adjustments are noncompounding and are based on the original benefit except for Judges, which is a compounding benefit. The cost-of-living adjustments are also limited to the actual CPI increase for the year, although unused CPI increases not met may be carried forward to subsequent years.
**Composed of 2.50 percent inflation, plus 0.75 percent productivity increase rate, plus step-rate promotional increases for members with less than 25 years of service.

Footnotes to Single-employer Plans - Utah Retirement Systems Schedule of Contributions *(continued)*

Other Information:

The actuarially determined contribution rates are calculated as of January 1 and become effective on July 1 of the following year, which is 18 months after the valuation date. The Utah Retirement Systems' Board certifies the contribution rates that employers are contractually required to contribute to the Retirement System. According to Section 49-11-301(5) of the *Utah Code*, if the funded ratio of the plan is less than 110 percent, then the Board is permitted to maintain the prior year's contribution rate if the actuarially determined contribution is lower. The Board has historically followed this policy.

Significant Changes to Methods and Assumptions Used to Determine Contribution Rates:

- Investment Rate of Return
  In 2008, the actuarial assumed rate of return (the discount rate) was modified from 8 to 7.75 percent, and then again in 2011 down to 7.50 percent. In 2017, the discount rate was reduced to 7.20 percent and was again reduced in 2018 to 6.95 percent. This rate is used in establishing retirement contribution rates and in determining current benefit reserve requirements.
- Amortization
  Changes implemented in 2009 included amortizing 2008 losses over the next 5 years (20 percent per year) and modifying the unfunded actuarial accrued liability (UAAL) amortization period from 20 to 25 years.
- Inflation Rate
  In 2017, the assumed rate of inflation was decreased from 2.75 to 2.60 percent. In 2018, the assumed rate of inflation was decreased from 2.60 to 2.50 percent.
- Projected Salary Increases
  In 2019, the wage inflation assumption decreased from 3.35 to 3.25 percent and and payroll growth assumption also decreased from 3.10 to 3.00 percent.

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B. Single-employer Plans - Utah Transit Authority

Utah Transit Authority (UTA) (major discrete component unit) offers its employees a single-employer non-contributory defined benefit pension plan, The Utah Transit Authority Retirement Plan and Trust (Plan), which includes all employees of UTA who are eligible and who have completed six months of service.

The following schedules present for UTA's single-employer retirement plan Changes in the Net Pension Liability and Related Ratios and Schedule of Employer Contributions.

Changes in Net Pension Liability
Single-employer Plan - Utah Transit Authority (discrete component unit)
Last Five Calendar Years ending December 31 *

Utah Transit Authority		Calendar Year 2014	2015	2016	2017	2018
Total Pension Liability						
Service Cost		$ 7,284	$ 7,546	$ 7,712	$ 8,368	$ 9,551
Interest		17,623	18,717	19,604	20,368	21,513
Voluntary Member Contributions		276	917	438	698	224
Differences between expected and actual experience		—	(1,973)	(927)	4,916	4,893
Assumption Changes		—	7,725	(3,956)	5,079	—
Benefit Payments		(10,181)	(11,555)	(12,981)	(13,008)	(15,475)
Net Change in Total Pension Liability		15,002	21,377	9,890	26,421	20,706
Total Pension Liability – Beginning		232,691	247,693	269,070	278,960	305,381
Total Pension Liability – Ending	*A*	$ 247,693	$ 269,070	$ 278,960	$ 305,381	$ 326,087
Plan Fiduciary Net Position						
Contributions – Employer		$ 15,366	$ 16,745	$ 19,604	$ 20,506	$ 22,355
Contributions – Members		276	917	438	698	224
Net Investment Income		5,947	(1,085)	7,591	30,599	(16,630)
Benefit Payments		(10,181)	(11,555)	(12,981)	(13,008)	(15,475)
Administrative Expense		(220)	(244)	(249)	(325)	(440)
Net Change in Plan Fiduciary Net Position		11,188	4,778	14,403	38,470	(9,966)
Plan Fiduciary Net Position – Beginning		135,666	146,854	151,632	166,035	204,505
Plan Fiduciary Net Position – Ending	*B*	$ 146,854	$ 151,632	$ 166,035	$ 204,505	$ 194,539
Net Pension Liability (A - B)		$ 100,839	$ 117,438	$ 112,925	$ 100,876	$ 131,548
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability		59.29%	56.35%	59.52%	66.97%	59.66%
Covered Payroll		$ 106,004	$ 110,727	$ 115,431	$ 126,691	$ 132,521
Net Pension Liability as a Percentage of Covered Payroll		95.13%	106.06%	97.83%	79.62%	99.27%

* The Utah Transit Authority adopted GASB Statement 68 in calendar year 2014. This schedule will eventually include ten years of history.

Contributions – The following schedule presents a ten-year history of UTA's (discrete component unit) contributions to its single-employer plan:

Employer Contributions
Single-employer Plans - Utah Transit Authority (discrete component unit)
(dollars expressed in thousands)

Last Ten Calendar Years	Calendar Year	Actuarial Required Contribution	Actual Employer Contributions	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
Utah Transit Authority	2009	$ 10,658	$ 10,658	$ 0	$ 88,835	12.00%
	2010	$ 10,048	$ 10,048	$ 0	$ 93,259	10.77%
	2011	$ 10,115	$ 10,115	$ 0	$ 91,265	11.08%
	2012	$ 12,206	$ 11,646	$ 560	$ 96,750	12.04%
	2013	$ 14,352	$ 13,338	$ 1,014	$ 102,100	13.06%
	2014	$ 14,757	$ 15,367	$ (610)	$ 106,004	14.50%
	2015	$ 16,609	$ 16,745	$ (136)	$ 110,727	15.12%
	2016	$ 17,148	$ 19,604	$ (2,456)	$ 115,431	16.98%
	2017	$ 20,270	$ 20,506	$ (236)	$ 126,691	16.19%
	2018	$ 21,203	$ 22,355	$ (1,152)	$ 132,521	16.87%

Footnotes to Single-employer Plans - Utah Transit Authority Schedule of Contributions

Methods and Assumptions Used to Determine Contribution Rates

	Utah Transit Authority
Actuarial cost method	Entry Age Normal
Amortization method	Level Percent of Payroll, open
Amortization period	18 years
Actuarial asset valuation method	5-year smoothed market less unrealized
Actuarial assumptions:	
Investment rate of return	7.00%, net of investment expenses
Projected salary increases	5.40% per annum for the first five years of employment; 3.40% per annum thereafter
Inflation rate	2.30%
Cost-of-living adjustment	None
Retirement Age	Table of Rates by Age and Eligibility
Mortality	RP-2014 Blue Collar Mortality Table, with MP-2014 projection scale (Preretirement; Employee Table; Post-retirement Annuitant Table)

Other Information:

The valuation date is January 1, 2018. This is the date as of which the actuarial valuation is performed. The measurement date is December 31, 2018. This is the date as of which the net pension liability is determined. The reporting date is December 31, 2018. This is the employer's fiscal year ending date.

Money-Weighted Rate of Return - 10 Years

The money-weighted rate of return considers the changing amounts actually invested during a period and weights the amount of pension plan investments by the proportion of time they are available to return during that period. External cash flows are determined on a monthly basis and are assumed to occur at the middle of each month. External cash inflows are netted with external cash outflows, resulting in a net external cash flow each month. The money-weighted rate of return is calculated net of investment expenses.

Schedule of Investment Returns
Single-employer Plans - Utah Transit Authority

Last Ten Calendar Years

	Calendar Year*	Annual Money-Weighted Rate of Return (Net of Investment Expense)
Utah Transit Authority	2009	—
	2010	—
	2011	—
	2012	—
	2013	—
	2014	4.31 %
	2015	(0.72)%
	2016	4.90 %
	2017	18.01 %
	2018	(7.77)%

* Utah Transit Authority adopted GASB Statements 74, 75, and 85 in calendar year 2014. This schedule will eventually include ten years of history.

C. Multiple-employer Systems - Utah Retirement Systems

The State's defined benefit pension systems are administered by Utah Retirement Systems and are included in this Comprehensive Annual Financial Report as a pension trust fund within the fiduciary funds. The Noncontributory System, Contributory System, Public Safety System, Firefighters System, Tier 2 Public Employees System, and Tier 2 Public Safety and Firefighters System are defined-benefit multiple-employer, cost-sharing, public employee retirement systems.

The following schedule presents the State's (primary government) proportionate share of the net pension liability for its multiple-employer, cost-sharing public employee employer retirement systems:

Changes in Net Pension Liability
Multiple-employer Plans
Last Four Calendar Years ending December 31*
(dollars expressed in thousands)

	Calendar Year				
Noncontributory System	**2014**	**2015**	**2016**	**2017**	**2018**
Proportion of the Net Pension Liability (Asset)	24.07%	23.84%	24.46%	23.46%	23.02%
Proportionate Share of the Net Pension Liability (Asset)	$604,765	$748,863	$792,635	$573,675	$856,314
Covered Payroll	$645,747	$630,251	$639,263	$598,938	$585,155
Proportionate Share of the Net Pension Liability (Asset) as a Percentage of Covered Payroll	93.65%	118.82%	123.99%	95.78%	146.34%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	87.20%	87.20%	84.90%	89.20%	84.10%
Contributory System					
Proportion of the Net Pension Liability (Asset)	34.02%	32.52%	30.90%	30.98%	28.85%
Proportionate Share of the Net Pension Liability (Asset)	$3,731	$20,378	$16,932	$2,039	$20,484
Covered Payroll	$12,280	$10,301	$8,283	$7,049	$5,599
Proportionate Share of the Net Pension Liability (Asset) as a Percentage of Covered Payroll	30.38%	197.83%	204.42%	28.93%	365.85%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	98.70%	92.40%	93.40%	99.20%	91.40%
Public Safety System					
Proportion of the Net Pension Liability (Asset)	98.11%	97.81%	97.73%	97.53%	97.56%
Proportionate Share of the Net Pension Liability (Asset)	$182,306	$210,570	$208,964	$169,585	$233,535
Covered Payroll	$111,391	$109,909	$112,155	$107,429	$106,255
Proportionate Share of the Net Pension Liability (Asset) as a Percentage of Covered Payroll	163.66%	191.59%	186.32%	157.86%	219.79%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	84.30%	82.30%	83.50%	87.40%	83.20%
Firefighters System					
Proportion of the Net Pension Liability (Asset)	2.59%	3.90%	4.30%	3.84%	3.80%
Proportionate Share of the Net Pension Liability (Asset)	$(148)	$(71)	$(34)	$(240)	$494
Covered Payroll	$851	$1,047	$1,208	$1,123	$1,175
Proportionate Share of the Net Pension Liability (Asset) as a Percentage of Covered Payroll	(17.39)%	(6.78)%	(2.81)%	(21.37)%	42.04%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	103.50%	101.00%	100.40%	103.00%	94.30%
Tier 2 Public Employees System					
Proportion of the Net Pension Liability (Asset)	17.95%	17.66%	19.04%	18.41%	18.15%
Proportionate Share of the Net Pension Liability (Asset)	$(544)	$(39)	$2,123	$1,623	$7,772
Covered Payroll	$88,068	$114,106	$156,103	$180,218	$211,942
Proportionate Share of the Net Pension Liability (Asset) as a Percentage of Covered Payroll	(0.62)%	(0.03)%	1.36%	0.90%	3.67%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	103.50%	100.20%	95.10%	97.40%	90.80%
Tier 2 Public Safety and Firefighters System					
Proportion of the Net Pension Liability (Asset)	26.64%	25.84%	26.95%	25.32%	24.07%
Proportionate Share of the Net Pension Liability (Asset)	$(394)	$(377)	$(234)	$(293)	$603
Covered Payroll	$11,011	$15,378	$22,263	$26,727	$32,199
Proportionate Share of the Net Pension Liability (Asset) as a Percentage of Covered Payroll	(3.58)%	(2.45)%	(1.05)%	(1.10)%	1.87%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	120.50%	110.70%	103.60%	103.00%	95.60%

* The State of Utah adopted GASB Statement 68 in fiscal year 2015. This schedule will eventually include ten years of history.

Contributions - The following schedule presents a ten year history of the State's (primary government) contributions to the Utah Retirement Systems for its multiple-employer, cost-sharing public employee employer retirement systems:

Employer Contributions
Multiple-employer Plans
(dollars expressed in thousands)

Last Ten Fiscal Years

	Fiscal Year	Contractually Required Contribution	Contributions in Relation to the Contractually Required Contribution	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
Noncontributory System	2010	$ 103,548	$ 103,548	$ 0	$ 728,183	14.22%
	2011	$ 117,029	$ 117,029	$ 0	$ 717,445	16.31%
	2012	$ 116,876	$ 116,876	$ 0	$ 705,969	16.56%
	2013	$ 129,519	$ 129,519	$ 0	$ 681,504	19.00%
	2014	$ 139,990	$ 139,990	$ 0	$ 656,413	21.33%
	2015	$ 139,126	$ 139,126	$ 0	$ 636,665	21.85%
	2016	$ 136,246	$ 136,246	$ 0	$ 623,605	21.85%
	2017	$ 138,041	$ 138,041	$ 0	$ 631,040	21.88%
	2018	$ 129,414	$ 129,414	$ 0	$ 591,404	21.88%
	2019	$ 126,809	$ 126,809	$ 0	$ 579,713	21.87%
Contributory System	2010	$ 2,062	$ 2,062	$ 0	$ 21,188	9.73%
	2011	$ 2,154	$ 2,154	$ 0	$ 18,204	11.83%
	2012	$ 2,012	$ 2,012	$ 0	$ 16,266	12.37%
	2013	$ 2,129	$ 2,129	$ 0	$ 14,919	14.27%
	2014	$ 2,114	$ 2,114	$ 0	$ 13,238	15.97%
	2015	$ 1,985	$ 1,985	$ 0	$ 11,215	17.70%
	2016	$ 1,623	$ 1,623	$ 0	$ 9,171	17.70%
	2017	$ 1,373	$ 1,373	$ 0	$ 7,756	17.70%
	2018	$ 1,118	$ 1,118	$ 0	$ 6,317	17.70%
	2019	$ 863	$ 863	$ 0	$ 4,875	17.70%
Public Safety System	2010	$ 34,297	$ 34,297	$ 0	$ 113,776	30.14%
	2011	$ 36,418	$ 36,418	$ 0	$ 111,277	32.73%
	2012	$ 38,733	$ 38,733	$ 0	$ 118,083	32.80%
	2013	$ 42,054	$ 42,054	$ 0	$ 115,261	36.49%
	2014	$ 44,472	$ 44,472	$ 0	$ 112,858	39.41%
	2015	$ 43,893	$ 43,893	$ 0	$ 110,125	39.86%
	2016	$ 43,850	$ 43,850	$ 0	$ 109,288	40.12%
	2017	$ 44,808	$ 44,808	$ 0	$ 111,465	40.20%
	2018	$ 43,333	$ 43,333	$ 0	$ 107,565	40.29%
	2019	$ 42,189	$ 42,189	$ 0	$ 104,652	40.31%
Firefighters System	2010	—	—	—	—	—
	2011	$ 13	$ 13	$ 0	$ 777	1.67%
	2012	$ 5	$ 5	$ 0	$ 1,021	0.49%
	2013	$ 27	$ 27	$ 0	$ 1,033	2.61%
	2014	$ 22	$ 22	$ 0	$ 935	2.35%
	2015	$ 34	$ 34	$ 0	$ 897	3.79%
	2016	$ 46	$ 46	$ 0	$ 1,164	3.95%
	2017	$ 47	$ 47	$ 0	$ 1,216	3.87%
	2018	$ 43	$ 43	$ 0	$ 1,086	3.96%
	2019	$ 58	$ 58	$ 0	$ 1,260	4.60%
Tier 2 Public Employees System	2010	—	—	—	—	—
	2011	—	—	—	—	—
	2012	$ 1,492	$ 1,492	$ 0	$ 19,662	7.59%
	2013	$ 4,395	$ 4,395	$ 0	$ 51,339	8.56%
	2014	$ 6,390	$ 6,390	$ 0	$ 75,172	8.50%

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Employer Contributions
Multiple-employer Plans (continued)
(dollars expressed in thousands)

Last Ten Fiscal Years

	Fiscal Year	Contractually Required Contribution	Contributions in Relation to the Contractually Required Contribution	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
	2015	$ 18,280	$ 18,280	$ 0	$ 100,055	18.27%
	2016	$ 24,358	$ 24,358	$ 0	$ 133,543	18.24%
	2017	$ 31,467	$ 31,467	$ 0	$ 172,519	18.24%
	2018	$ 36,277	$ 36,277	$ 0	$ 196,807	18.43%
	2019	$ 44,102	$ 44,102	$ 0	$ 233,714	18.87%
Tier 2 Public Safety and Firefighters System	2010	—	—	—	—	—
	2011	—	—	—	—	—
	2012	$ 56	$ 56	$ 0	$ 536	10.45%
	2013	$ 506	$ 506	$ 0	$ 4,558	11.10%
	2014	$ 1,002	$ 1,002	$ 0	$ 9,091	11.02%
	2015	$ 3,711	$ 3,711	$ 0	$ 12,751	29.10%
	2016	$ 5,349	$ 5,349	$ 0	$ 18,448	29.00%
	2017	$ 7,248	$ 7,248	$ 0	$ 24,965	29.03%
	2018	$ 8,534	$ 8,534	$ 0	$ 29,390	29.04%
	2019	$ 10,266	$ 10,266	$ 0	$ 34,716	29.57%

Footnotes to Multiple-employer Systems Schedule of Contributions

This schedule reflects the legislative authorized rates and contributions for these systems. Tier 2 rates include a statutory required contribution (0.08 to 18.54 percent amortization rate) to finance the unfunded actuarial accrued liability of the non-Tier 2 plans.

Significant Changes to Methods and Assumptions Used to Determine Contribution Rates:

- Investment Rate of Return
  In 2008, the actuarial assumed rate of return (the discount rate) was modified from 8 to 7.75 percent, and then again in 2011 down to 7.50 percent. In 2017, the discount rate was reduced to 7.20 percent and was again reduced in 2018 to 6.95 percent. This rate is used in establishing retirement contribution rates and in determining current benefit reserve requirements.
- Amortization
  Changes implemented in 2009 included amortizing 2008 losses over the next 5 years (20 percent per year) and modifying the unfunded actuarial accrued liability (UAAL) amortization period from 20 to 25 years.
- Inflation Rate
  In 2017, the assumed rate of inflation was decreased from 2.75 to 2.60 percent. In 2018, the assumed rate of inflation was decreased from 2.60 to 2.50 percent.
- Projected Salary Increases
  In 2019, the wage inflation assumption decreased from 3.35 to 3.25 percent and the payroll growth assumption also decreased from 3.10 to 3.00 percent.

New Retirement Plans:

During the 2010 General Session, the Legislature passed Senate Bill 63, *New Public Employees' Tier 2 Contributory Retirement Act*. All eligible employees beginning on or after July 1, 2011, who have no previous service credit with any of the Utah Retirement Systems, are members of the Tier 2 Retirement Systems.

Restatement:

As a result of implementing GASB Statement 82, Pension Issues, payments made by the employer to satisfy contribution requirements that are identified by the pension plan terms as plan member contribution requirements are no longer reflected in this schedule.

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INFORMATION ABOUT THE STATE'S OTHER POSTEMPLOYMENT BENEFIT (OPEB) PLANS

A. Single-employer Plans

The State administers two single-employer Other Postemployment Benefit (OPEB) Plans, the State Employee OPEB Plan and the Elected Official OPEB Plan. The State Employee OPEB Plan and the Elected Official OPEB Plan are administered through two separate irrevocable trusts; the State Post-Retirement Benefits Trust Fund and Elected Official Post-Retirement Benefits Trust Fund, respectively. Assets of the trust funds are dedicated to providing postemployment health and life insurance coverage to current and eligible future state retirees and elected officials.

The following schedules present, for the State's (primary government) single-employer OPEB Plans, the Changes in the Net OPEB Liability and Related Ratios, Schedule of Employer Contributions, and Schedule of Investment Returns.

Changes in Net OPEB Liability
Single-employer Plans
(expressed in thousands)

		Fiscal Year *		
State Employee Plan		**2019**	**2018**	**2017**
Total OPEB Liability				
Service Cost		$ 5,189	$ 5,063	$ 4,939
Interest		12,749	13,219	13,661
Difference between Actual and Expected Experience		(28,055)	—	—
Assumption Changes		31,163	—	—
Benefit Payments		(30,560)	(31,339)	(30,158)
Net Change in Total OPEB Liability		(9,514)	(13,057)	(11,558)
Total OPEB Liability – Beginning		349,916	362,973	374,531
Total OPEB Liability – Ending	*A*	$ 340,402	$ 349,916	$ 362,973
Plan Fiduciary Net Position				
Contributions – Employee		$ —	$ —	$ —
Contributions – Employer		26,510	29,735	33,361
Net Investment Income (Loss)		24,082	(2,065)	14,194
Benefit Payments		(30,560)	(31,339)	(30,158)
Administrative Expense		—	—	—
Net Transfers with Affiliated Systems		356	961	—
Net Change in Plan Fiduciary Net Position		20,388	(2,708)	17,397
Plan Fiduciary Net Position – Beginning		251,464	254,172	236,775
Plan Fiduciary Net Position – Ending	*B*	$ 271,852	$ 251,464	$ 254,172
Net OPEB Liability (A - B)		$ 68,550	$ 98,452	$ 108,801
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability		79.86%	71.86%	70.03%
Covered Payroll **		$ 1,032,288	$ 994,839	$ 966,279
Net OPEB Liability as a Percentage of Covered Payroll		6.64%	9.90%	11.26%
Elected Official OPEB Plan				
Total OPEB Liability				
Service Cost		$ 733	$ 715	$ 698
Interest		908	850	789
Difference between Actual and Expected Experience		(245)	—	—
Assumption Changes		(347)	—	—
Benefit Payments		(412)	(534)	(503)
Net Change in Total OPEB Liability		637	1,031	984
Total OPEB Liability – Beginning		16,766	15,735	14,751
Total OPEB Liability – Ending	*A*	$ 17,403	$ 16,766	$ 15,735
Plan Fiduciary Net Position				
Contributions – Employee		$ —	$ —	$ —
Contributions – Employer		1,388	1,388	1,388
Net Investment Income		1,287	667	1,214
Benefit Payments		(412)	(534)	(503)
Administrative Expense		—	—	—
Net Transfers with Affiliated Systems		—	1	—
Net Change in Plan Fiduciary Net Position		2,263	1,522	2,099
Plan Fiduciary Net Position – Beginning		13,602	12,080	9,981
Plan Fiduciary Net Position – Ending	*B*	$ 15,865	$ 13,602	$ 12,080
Net OPEB Liability (A - B)		$ 1,538	$ 3,164	$ 3,655
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability		91.16%	81.13%	76.77%
Covered-employee Payroll **		$ 1,317	$ 1,421	$ 1,478
Net OPEB Liability as a Percentage of Covered-employee Payroll		116.78%	222.66%	247.29%

* The State of Utah adopted GASB Statements 74, 75, and 85 in fiscal year 2017. This schedule will eventually include ten years of history.

** Contributions to the State Employee Plan are based on a measure of pay, therefore covered payroll is presented in the above schedule. Contributions to the Elected Official OPEB Plan are based on appropriations and not on a measure of pay; therefore, for that plan the covered-employee payroll is presented.

Contributions – The following schedule presents a ten year history of the State's (primary government) contributions to its single-employer OPEB plans, the State Employee OPEB Plan and Elected Official OPEB Plan.

Employer Contributions – OPEB Plans
Single-employer Plans
(expressed in thousands)

Last Ten Fiscal Years

	Fiscal Year	Actuarially Determined Contribution	Contributions in Relation to the Actuarially Determined Contribution	Contribution Deficiency (Excess)	Covered Payroll*	Contributions as a Percentage of Covered Payroll
State Employee OPEB Plan.......	2010	$ 43,819	$ 43,819	$ 0	$ 868,215	5.05%
	2011	$ 43,819	$ 43,819	$ 0	$ 870,590	5.03%
	2012	$ 37,594	$ 43,293	$ (5,699)	$ 866,012	5.00%
	2013	$ 37,594	$ 38,070	$ (476)	$ 874,401	4.35%
	2014	$ 30,342	$ 30,342	$ 0	$ 888,806	3.41%
	2015	$ 30,342	$ 30,342	$ 0	$ 905,895	3.35%
	2016	$ 29,100	$ 35,683	$ (6,583)	$ 942,630	3.79%
	2017	$ 29,100	$ 33,361	$ (4,261)	$ 966,279	3.45%
	2018	$ 29,100	$ 29,735	$ (635)	$ 994,839	2.99%
	2019	$ 25,928	$ 26,510	$ (582)	$ 1,032,288	2.57%
Elected Official OPEB Plan.......	2010	—	—	—	—	—
	2011	—	—	—	—	—
	2012	$ 1,894	$ 3,470	$ (1,576)	$ 757	458.39%
	2013	$ 1,894	$ 2,030	$ (136)	$ 1,431	141.86%
	2014	$ 1,321	$ 2,030	$ (709)	$ 1,783	113.85%
	2015	$ 1,321	$ 1,388	$ (67)	$ 1,751	79.27%
	2016	$ 1,241	$ 1,388	$ (147)	$ 1,661	83.56%
	2017	$ 1,241	$ 1,388	$ (147)	$ 1,478	93.91%
	2018	$ 1,241	$ 1,388	$ (147)	$ 1,421	97.68%
	2019	$ 1,026	$ 1,388	$ (362)	$ 1,317	105.39%

* Contributions to the State Employee OPEB Plan are based on a measure of pay, therefore covered payroll is presented in the above schedule. Contributions to the Elected Official OPEB Plan are based on appropriations and not on a measure of pay; therefore, the covered-employee payroll is presented for that plan.

Footnotes to Single-employer OPEB Plans Schedule of Contributions

Methods and Assumptions Used to Determine Contribution Rates

	State Employee OPEB Plan	Elected Official OPEB Plan
Actuarial cost method	Entry Age Normal Level Percent of Salary	
Amortization method	Level Dollar Closed Period	Level Dollar Open Period
Amortization period	5 years	10 years
Actuarial asset valuation method	Fair Value	
Actuarial assumptions:		
Investment rate of return	3.00%	5.25%
Projected salary increases	2.50%	N/A
Inflation rate	2.40%	
Health Care Cost Trends	Initial health care trend rate of 5.40% which declines to an ultimate rate of 3.94% by 2075. The health care trend rate assumptions used were developed using the 2019 SOA Long-Run Medical Cost Trend model.	

Other Information:

- Only the last eight years of data, measured in conformity with the latest GASB Statements, is available for the Elected Official OPEB Plan.
- The Actuarially Determined Contribution (ADC) is calculated biennially as of December 31 and is used to establish contributions to fund the plans on July 1, which is generally the fiscal year that begins 6 months after the valuation date. The OPEB Board recommends the ADC to the Governor and Legislature. The Legislature has historically fully funded the ADC.
- The State Employee OPEB Plan was closed to new entrants beginning January 1, 2006. This change to benefit terms was reflected in the subsequent December 31 valuation and reflected in the fiscal year 2010 ADC.
- Healthcare coverage (ages 62 to 65) for the Elected Official OPEB Plan was closed and is only available for elected officials who began service prior to January 1, 2012. This change to healthcare coverage was reflected in the fiscal year 2012 ADC. Benefit terms

were changed again to allow only elected officials that began service prior to July 1, 2013 to receive Medicare coverage. This change to Medicare coverage was reflected in the subsequent December 31 valuation and reflected in the fiscal year 2014 ADC.

Significant Changes to Methods and Assumptions Used to Determine Contribution Rates:

- Investment Rate of Return

  In fiscal year 2012, the actuarial assumed rate of return (the discount rate) for the State Employee OPEB Plan was modified from 6.00 to 4.50 percent. In fiscal year 2014, the discount rate for the Elected Official OPEB Plan was modified from 4.00 to 4.50 percent. In fiscal year 2015, the discount rate for the Elected Official OPEB Plan was modified from 4.50 to 5.25 percent. In fiscal year 2019, the discount rate for the State Employee OPEB Plan was modified from 3.75 to 3.00 percent.
- Amortization Period

  In fiscal year 2012, the amortization period for the State Employee OPEB Plan was changed from a 25 year open to a 20 year open. The amortization period for State Employee OPEB Plan was changed again in fiscal year 2014 from a 20 year open to a 10 year open. In fiscal year 2012, the amortization period for the Elected Official OPEB Plan was changed from a 30 year open to a 20 year open. In fiscal year 2019, the amortization period for the Elected Official OPEB Plan was changed again from a 20 year open to a 10 year open.
- Healthcare Cost Trend Rates

  In fiscal year 2012, for both Plans, the health care cost trend rate changed from an initial rate of 10 to 9.50 percent. In fiscal year 2014, the healthcare cost trend rate changed from an initial rate of 9.50 to 8.50 percent, and changed again in fiscal year 2016 to an initial rate of 5.20 percent. In fiscal year 2016 the healthcare cost trend rate changed from an ultimate rate of 4.50 to 4.20 percent. In fiscal year 2019, the health care trend rate assumption was updated to reflect the latest cost trend model, resulting in a decrease of the initial and ultimate rates from 5.90 to 5.40 percent and 4.14 to 3.94 percent, respectively.
- Other

  In fiscal year 2019, the Per Capita Claims Costs (PCCC) aging factors were updated for pre-Medicare and post-Medicare retirees. The pre-Medicare PCCC now vary by age instead of 5-year age bands used in the prior valuation. Additionally, the post-Medicare PCCC varied by 5-year age bands in the prior valuation, but they are now based on the annualized premium rates provided for Medicare Supplement 100 and Enhanced Rx.

OPEB Plans
Schedule of Investment Returns
Single-employer Plans

Last Ten Fiscal Years

	Fiscal Year*	Annual Money-Weighted Rate of Return (Net of Investment Expense)
State Employee OPEB Plan	2010	—
	2011	—
	2012	—
	2013	—
	2014	—
	2015	—
	2016	—
	2017	5.79 %
	2018	(0.43)%
	2019	9.72 %
Elected Official OPEB Plan	2010	—
	2011	—
	2012	—
	2013	—
	2014	—
	2015	—
	2016	—
	2017	11.24 %
	2018	5.09 %
	2019	11.65 %

* The State of Utah adopted GASB Statements 74, 75, and 85 in fiscal year 2017. This schedule will eventually include ten years of history.

INFORMATION ABOUT INFRASTRUCTURE ASSETS REPORTED USING THE MODIFIED APPROACH

As allowed by the Governmental Accounting Standards Board (GASB), the State has adopted an alternative to reporting depreciation on roads and bridges (infrastructure assets) maintained by the Utah Department of Transportation (UDOT). This includes infrastructure acquired prior to fiscal year 1981. Under this alternative method, referred to as the "modified approach," infrastructure assets are not depreciated, and maintenance and preservation costs are expensed.

In order to utilize the modified approach, the State is required to:

- Maintain an asset management system that includes an up-to-date inventory of eligible infrastructure assets.
- Perform and document replicable condition assessments of the eligible infrastructure assets and summarize the results using a measurement scale.
- Estimate each year the annual amount to maintain and preserve the eligible infrastructure assets at the condition level established and disclosed by the State.
- Document that infrastructure assets are being preserved approximately at, or above the condition level established by the State.

Roads

UDOT uses the Pavement Management System to determine the condition of 5,787 centerline miles of state roads. The assessment is based on Ride Quality, using the International Roughness Index (IRI) data. This data is also reported to the Federal Highways Administration (FHWA) and used for the National Condition Assessment reported to Congress. Ranges for Good, Fair and Poor condition were established to correlate with the national FHWA ranges. Additional condition measures for age, wheel path rutting, and surface cracking are considered in project recommendations.

Category	IRI Range	Description
Good	< 95	Pavements that provide a smooth ride and typically exhibit few signs of visible distress suitable for surface seals and preservation.
Fair	95 to 170	Pavements with noticeable deterioration beginning to affect the ride in need of resurfacing.
Poor	> 170	Pavements with an unacceptable ride that have deteriorated to such an extent that they are in need of major rehabilitation.

Condition Level – Roads

UDOT performs pavement condition assessments at a minimum of every other calendar year. The State has established an overall condition target to assure the system is funded adequately and not at any financial risk to maintain. This target is to maintain the Statewide system with 80 percent or more of the mileage rated in "Fair or Better" condition. UDOT utilizes a number of additional strategies and performance measures for estimating long term performance and managing allocations of funds to different categories within the pavement system. These measures vary slightly in function and purpose, all seeking to help assure systems are performing well. Some of these additional measures include strategic goals for both High Volume and Low Volume systems, internal goals for each pavement category, and annual national performance targets for reporting to the Federal Highway Administration for the Interstate system and the National Highway system. Ultimately these additional strategies and measures are only used as a mechanism to distribute funding and are adjusted as needed to assure the Statewide system remains with 80 percent or more of the pavement mileage rated in "Fair or Better" condition.

The following table reports the percentage of pavements with ratings of "Fair or Better" for the last three assessments for the Statewide system:

	2018	2017	2015
Statewide System	91.40%	90.36%	89.32%

The following table presents the State's estimated amounts needed to maintain and preserve roads at or above the established condition levels addressed above, and the amounts actually spent for each of the past five reporting periods (in thousands):

Fiscal Year	Estimated Spending	Actual Spending
2019	$253,728	$310,690
2018	$252,563	$307,815
2017	$217,593	$346,112
2016	$202,516	$291,847
2015	$198,526	$279,878

Bridges

UDOT uses the Structures Inventory System to monitor the condition of the 1,957 state-owned bridges. A number, ranging from 1 to 100, is calculated based on condition, geometry, functional use, safety, and other factors. Three categories of condition are established in relation to the number range as follows:

Category	Range	Description
Good	80 - 100	Preventive maintenance requirements include repair leaking deck joints, apply deck overlays and seals, place concrete sealers to splash zones, paint steel surfaces, and minor beam repairs.
Fair	50 - 79	Corrective repairs include deck, beam, and substructure repairs, fixing settled approaches, and repairing collision damage.
Poor	1 - 49	Major rehabilitation and replacement includes deck, beam, or substructure replacements or replacement of the entire bridge.

Condition Level – Bridges

The State performs assessments on 50 percent of bridges on an annual basis. The established condition level is to maintain 50 percent of the bridges with a rating of "good" and no more than 10 percent with a rating of "poor." The following table reports the results of the bridges assessed for the past three years:

Rating	2019	2018	2017
Good	64.38%	64.52%	67.91%
Poor	2.91%	2.76%	1.45%

The following table presents the State's estimated amounts needed to maintain and preserve bridges at or above the established condition levels addressed above, and the amounts actually spent for each of the past five reporting periods (in thousands):

Fiscal Year	Estimated Spending	Actual Spending
2019	$44,775	$54,828
2018	$44,570	$54,320
2017	$38,399	$61,079
2016	$35,738	$51,502
2015	$35,034	$49,390

SUPPLEMENTARY INFORMATION

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State Endowment Fund

This fund accounts for a portion of proceeds relating to the State's settlement agreement with major tobacco manufacturers, severance tax revenue in excess of statutory base amounts, and money or other assets authorized under any provision of law. The principal of the fund cannot be appropriated except by a three-fourths vote of both houses of the Legislature and with the concurrence of the Governor. One-half of all interest and dividends earned on tobacco settlement proceeds in this fund is deposited in the General Fund.

Environmental Reclamation

This fund consists of various programs aimed at preserving open land, improving irrigation in the State, funding recycling programs, and funding cleanup and reclamation projects. Funds received are from state appropriations, fees and fines, recovered liens and costs, and voluntary contributions.

Crime Victim Reparation

This fund accounts for court-ordered restitution and a surcharge on criminal fines, penalties, and forfeitures. Monies deposited in this fund are for victim reparations, other victim services, and, as appropriated, costs of administering the fund.

Universal Telephone Services

This fund is designed to preserve and promote universal telephone service throughout the State by ensuring that all citizens have access to affordable basic telephone service. Revenues come from surcharges on customers' phone bills and from fines and penalties levied against telephone service providers by the Public Service Commission.

Consumer Education Fund

This fund accounts for revenues and expenditures associated with educating and training Utah residents in various consumer matters. Funding is provided through the assessment and collection of fines and penalties from various regulated professions.

Rural Development Fund

This fund promotes various programs in rural areas of the State including construction of communications systems and economic development grants to Native American tribes. Funding comes from oil and gas severance taxes and from royalties on mineral extractions on federal land within the State.

State Capitol Fund

This fund was created to account for the funding and operations of the State Capitol Preservation Board. Funds are used in part to pay for repairs and maintenance of Capitol Hill facilities and grounds. Funding is provided through fees and private donations.

Miscellaneous Special Revenue

This fund is made up of individual small funds set up to account for various revenue sources that are legally restricted to expenditures for specific purposes.

Capital Projects – General Government

This fund accounts for resources used for capital outlays including the acquisition or construction of major capital facilities for use by the State and its discrete component units. The fund receives financial resources from the proceeds of general obligation bonds, legislative appropriations, and intergovernmental revenues.

Capital Projects – State Building Ownership Authority *(Blended Component Unit)*

This fund accounts for resources used for capital outlays including the acquisition or construction of major capital facilities for use by various state agencies. The fund receives financial resources from the proceeds of lease revenue bonds issued by the Authority and the interest earned on the proceeds of the bonds.

Debt Service – General Government

This fund accounts for the payment of principal and interest on the State's general obligation bonds. The fund receives most of its financial resources from appropriations made by the Legislature.

Debt Service – State Building Ownership Authority *(Blended Component Unit)*

This fund accounts for the payment of principal and interest on lease revenue bonds issued by the Authority. The fund receives financial resources from rent payments made by various state agencies occupying the facilities owned by the Authority. The fund also receives capital lease payments from certain college and university component units.

Combining Balance Sheet
Nonmajor Governmental Funds
(expressed in thousands)

June 30, 2019

	Special Revenue				
	State Endowment	Environmental Reclamation	Crime Victim Reparation	Universal Telephone Services	Consumer Education
ASSETS					
Cash and Cash Equivalents	$ 2,260	$ 5,232	$ 1,407	$ 5,982	$ 1,325
Investments	242,893	10,246	3,512	—	4,065
Receivables:					
Accounts, net	—	31	1,157	—	45
Accrued Interest	—	—	—	—	—
Accrued Taxes, net	—	—	—	—	—
Capital Lease Payments, net	—	—	—	—	—
Due From Other Funds	—	—	—	—	—
Due From Component Units	—	—	—	—	—
Prepaid Items	—	—	—	—	—
Total Assets	$ 245,153	$ 15,509	$ 6,076	$ 5,982	$ 5,435
LIABILITIES, DEFERRED INFLOWS OF RESOURCES, AND FUND BALANCES					
Liabilities:					
Accounts Payable and Accrued Liabilities	$ —	$ 427	$ 140	$ 412	$ 277
Due To Other Funds	—	—	—	4	129
Unearned Revenue	—	—	—	—	—
Total Liabilities	0	427	140	416	406
Deferred Inflows of Resources:					
Unavailable Revenue	—	—	—	—	—
Total Deferred Inflows of Resources	0	0	0	0	0
Fund Balances:					
Nonspendable:					
Prepaid Items	—	—	—	—	—
Restricted	—	8,438	—	5,566	—
Committed	245,153	6,644	5,936	—	5,029
Assigned	—	—	—	—	—
Total Fund Balances	245,153	15,082	5,936	5,566	5,029
Total Liabilities, Deferred Inflows of Resources, and Fund Balances	$ 245,153	$ 15,509	$ 6,076	$ 5,982	$ 5,435

Special Revenue			Capital Projects		Debt Service		
Rural Development	State Capitol	Miscellaneous Special Revenue	General Government	State Building Ownership Authority	General Government	State Building Ownership Authority	Total Nonmajor Governmental Funds
$ 2,741	$ 1,361	$ 56,382	$ 488,985	$ —	$ 64,223	$ 13,546	$ 643,444
22,443	239	40,126	106,044	14,017	9,934	427	453,946
—	—	29,473	123	—	—	299	31,128
—	—	—	—	37	17	943	997
—	—	2,606	—	—	—	—	2,606
—	—	—	—	—	—	86,350	86,350
—	26	7	2,744	33	—	—	2,810
—	—	—	75,457	—	—	—	75,457
—	—	16	—	—	—	—	16
$ 25,184	$ 1,626	$ 128,610	$ 673,353	$ 14,087	$ 74,174	$ 101,565	$ 1,296,754
$ 1,505	$ 4	$ 11,113	$ 78,023	$ 815	$ 47,885	$ —	$ 140,601
181	7	777	2,124	7,243	12,080	8,883	31,428
—	60	7,925	—	—	—	—	7,985
1,686	71	19,815	80,147	8,058	59,965	8,883	180,014
—	—	—	—	—	—	86,350	86,350
0	0	0	0	0	0	86,350	86,350
—	—	16	—	—	—	—	16
—	—	33,970	105,133	3,438	—	—	156,545
23,498	1,555	41,451	—	—	—	—	329,266
—	—	33,358	488,073	2,591	14,209	6,332	544,563
23,498	1,555	108,795	593,206	6,029	14,209	6,332	1,030,390
$ 25,184	$ 1,626	$ 128,610	$ 673,353	$ 14,087	$ 74,174	$ 101,565	$ 1,296,754

Combining Statement of Revenues, Expenditures and Changes in Fund Balances
Nonmajor Governmental Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Special Revenue				
	State Endowment	Environmental Reclamation	Crime Victim Reparation	Universal Telephone Services	Consumer Education
REVENUES					
Taxes:					
Sales and Use Tax	$ —	$ —	$ —	$ —	$ —
Other Taxes	8,173	—	—	—	—
Total Taxes	8,173	0	0	0	0
Other Revenues:					
Federal Contracts and Grants	—	—	2,657	—	—
Charges for Services	—	3,584	6,836	14,879	16,772
Intergovernmental	—	—	—	—	—
Investment Income	21,796	316	80	—	113
Miscellaneous and Other	—	187	—	—	—
Total Revenues	29,969	4,087	9,573	14,879	16,885
EXPENDITURES					
Current:					
General Government	—	3,494	6,241	—	—
Human Services and Juvenile Justice Services	—	—	—	—	—
Corrections	—	—	—	—	—
Public Safety	—	—	—	—	—
Courts	—	—	—	—	—
Health and Environmental Quality	—	859	—	—	—
Higher Education – Colleges and Universities	—	—	—	—	—
Employment and Family Services	—	—	—	—	—
Natural Resources	—	—	—	—	—
Heritage and Arts	—	—	—	—	—
Business, Labor, and Agriculture	—	1,671	—	16,194	2,267
Public Education	—	—	—	—	—
Transportation	—	—	—	—	—
Capital Outlay	—	—	—	—	—
Debt Service:					
Principal Retirement	—	—	—	—	—
Interest and Other Charges	—	—	—	—	—
Total Expenditures	0	6,024	6,241	16,194	2,267
Excess Revenues Over (Under) Expenditures	29,969	(1,937)	3,332	(1,315)	14,618
OTHER FINANCING SOURCES (USES)					
Premium on Bonds Issued	—	—	—	—	—
Payment to Refunded Bond Escrow Agent	—	—	—	—	—
Sale of Capital Assets	—	—	—	—	—
Transfers In	—	600	—	—	—
Transfers Out	—	(132)	(1,619)	—	(14,508)
Total Other Financing Sources (Uses)	0	468	(1,619)	0	(14,508)
Net Change in Fund Balances	29,969	(1,469)	1,713	(1,315)	110
Fund Balances – Beginning	215,184	16,551	4,223	6,881	4,919
Fund Balances – Ending	$ 245,153	$ 15,082	$ 5,936	$ 5,566	$ 5,029

Special Revenue			Capital Projects		Debt Service		
Rural Development	State Capitol	Miscellaneous Special Revenue	General Government	State Building Ownership Authority	General Government	State Building Ownership Authority	Total Nonmajor Governmental Funds
$ —	$ —	$ 23,430	$ —	$ —	$ —	$ —	$ 23,430
7,916	—	1	—	—	—	—	16,090
7,916	0	23,431	0	0	0	0	39,520
—	—	36,052	—	—	14,307	1,560	54,576
—	672	129,035	—	—	—	—	171,778
—	—	—	16,029	—	—	—	16,029
645	7	1,243	3,745	335	198	299	28,777
—	—	11,377	1,386	—	—	16,989	29,939
8,561	679	201,138	21,160	335	14,505	18,848	340,619
—	156	33,673	14,812	—	—	—	58,376
—	—	501	10,133	—	—	—	10,634
—	—	—	6,356	—	—	—	6,356
—	—	38,504	867	—	—	—	39,371
—	—	—	6,271	—	—	—	6,271
—	—	717	—	—	—	—	1,576
—	—	—	34,979	—	—	—	34,979
9,301	—	1,152	824	—	—	—	11,277
—	—	1,808	2,695	—	—	—	4,503
—	—	13	823	—	—	—	836
—	—	154	1,286	—	—	—	21,572
—	—	—	1,555	—	—	—	1,555
—	—	—	1,925	—	—	—	1,925
—	—	—	225,301	9,833	—	—	235,134
—	—	—	—	—	251,315	9,634	260,949
—	—	—	—	—	92,653	10,764	103,417
9,301	156	76,522	307,827	9,833	343,968	20,398	798,731
(740)	523	124,616	(286,667)	(9,498)	(329,463)	(1,550)	(458,112)
—	—	—	—	6	616	(2)	620
—	—	—	—	—	—	(27,770)	(27,770)
—	2	—	—	—	—	—	2
—	—	65,383	488,616	—	349,141	—	903,740
(67)	—	(124,396)	(10,501)	—	(14,307)	—	(165,530)
(67)	2	(59,013)	478,115	6	335,450	(27,772)	711,062
(807)	525	65,603	191,448	(9,492)	5,987	(29,322)	252,950
24,305	1,030	43,192	401,758	15,521	8,222	35,654	777,440
$ 23,498	$ 1,555	$ 108,795	$ 593,206	$ 6,029	$ 14,209	$ 6,332	$ 1,030,390

Detail Schedule of Expenditures – Budget and Actual
General Fund
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

Appropriation Line Item Name	Source of Funding: State Funds	Source of Funding: Federal Funds	Source of Funding: Restricted and Other Funds	Final Budget	Actual Expenditures	Lapse to Unrestricted	Lapse to Restricted and Other	Nonlapse or (Deficit) Carry Forward
GENERAL GOVERNMENT								
Legislature								
Senate	$ 4,829	$ —	$ —	$ 4,829	$ 2,991	$ —	$ —	$ 1,838
House	8,816	—	—	8,816	5,026	—	—	3,790
Printing	1,221	—	279	1,500	943	—	—	557
Research and General Counsel	15,340	—	—	15,340	10,278	—	—	5,062
Fiscal Analyst	5,138	—	—	5,138	3,732	—	—	1,406
Auditor General	5,617	—	—	5,617	4,568	—	—	1,049
Legislative Support	678	—	—	678	372	—	—	306
Legislative Services	4,778	—	—	4,778	3,720	—	—	1,058
Total Legislature	46,417	0	279	46,696	31,630	0	0	15,066
Elected Officials								
Governor's Office	$ 14,134	$ —	$ 1,538	$ 15,672	$ 11,910	$ 1	$ 113	$ 3,648
GOV Office of Management & Budget	6,494	—	1	6,495	4,469	—	—	2,026
GOV GOMB - Operations & Policy	999	—	—	999	141	—	—	858
GOV Character Education	351	—	—	351	227	—	—	124
GOV Criminal & Juvenile Justice	14,725	23,862	85	38,672	32,609	—	1,768	4,295
GOV Salt Lake County Bed Housing	2,960	—	—	2,960	2,687	—	—	273
GOV CCJJ Factual Innocence Payments	274	—	—	274	57	—	—	217
GOV Indigent Defense Commission	5,496	—	—	5,496	3,147	—	—	2,349
GOV Emergency Fund	100	—	—	100	—	—	—	100
GOV LeRay McAllister Program	526	—	274	800	88	—	—	712
GOV CCJJ Jail Reimbursement	13,967	—	—	13,967	13,967	—	—	—
GOV Pete Suazo Athletic Commission	296	—	46	342	259	—	—	83
GOV Economic Development Administration	5,098	—	—	5,098	3,262	—	—	1,836
GOV ED Office of Tourism	35,466	—	245	35,711	29,163	—	—	6,548
GOV ED Business Development	10,721	407	150	11,278	7,818	—	—	3,460
GOV STEM Action Center	12,961	71	852	13,884	13,595	—	—	289
GOV ED Pass Through	12,664	—	—	12,664	11,157	162	—	1,345
GOV ED Inland Port Authority	1,975	—	—	1,975	1,975	—	—	—
GOV ED Utah Office of Outdoor Recreation	1,130	—	—	1,130	130	—	1,000	—
GOV ED Talent Ready Utah Center	325	—	20	345	295	—	—	50
GOV Industrial Assistance	3,476	—	—	3,476	3,476	—	—	—
GOV Office of Energy Development	4,258	1,013	279	5,550	3,567	1	116	1,866
GOV Constitutional Defense Council	13	—	—	13	—	—	—	13
USTAR Administration	1,851	—	—	1,851	1,751	—	—	100
USTAR Grant Programs	16,237	—	—	16,237	7,103	—	—	9,134
USTAR Support Programs	3,953	—	82	4,035	1,865	62	—	2,108
AG Attorney General	42,250	2,265	7,851	52,366	49,901	200	—	2,265
AG Contract Attorneys	13	—	1,247	1,260	1,260	—	—	—
AG Prosecution Council	863	73	883	1,819	1,737	—	50	32
AG Children's Justice Centers	4,790	210	225	5,225	4,843	—	—	382
AG State Settlement Agreements	1,503	—	—	1,503	1,487	16	—	—
State Treasurer	3,433	—	838	4,271	3,835	—	243	193
State Auditor	4,192	—	2,591	6,783	6,637	—		146
Total Elected Officials	227,494	27,901	17,207	272,602	224,418	442	3,290	44,452
Government Operations								
Capitol Preservation Board	$ 58,271	$ —	$ —	$ 58,271	$ 4,672	$ —	$ —	$ 53,599
DAS Executive Director	1,697	—	—	1,697	1,290	—	—	407
DAS Administrative Rules	1,186	—	—	1,186	802	—	—	384
DAS DFCM Administration	6,905	—	801	7,706	7,103	—	—	603
DAS State Archives	3,286	34	60	3,380	3,258	—	—	122
DAS Finance Administration	11,091	—	1,775	12,866	10,566	—	—	2,300
DAS Office of Inspector General - Medicaid Services	1,323	—	1,828	3,151	3,147	—	—	4
DAS Post Conviction Indigent Defense	134	—	—	134	31	—	—	103
DAS Elected Official Post Retirement Benefits Contribution	1,388	—	—	1,388	1,388	—	—	—
DAS Finance Mandated	3,925	—	—	3,925	2,958	—	967	—
DAS Judicial Conduct Commission	300	—	—	300	258	—	—	42
DAS-Finance-Mandated-Ethics Commission	104	—	—	104	13	—	—	91
DAS Finance Mandated Parental Defense	127	—	34	161	121	—	—	40

Detail Schedule of Expenditures – Budget and Actual
General Fund
(expressed in thousands)
Continued

For the Fiscal Year Ended June 30, 2019

Appropriation Line Item Name	Source of Funding: State Funds	Source of Funding: Federal Funds	Source of Funding: Restricted and Other Funds	Final Budget	Actual Expenditures	Lapse to Unrestricted	Lapse to Restricted and Other	Nonlapse or (Deficit) Carry Forward
DAS Purchasing	725	—	—	725	725	—	—	—
DAS Building Board Program	1,313	—	—	1,313	1,216	—	—	97
Tax Commission Administration	80,740	521	7,659	88,920	84,168	3,486	266	1,000
TAX License Plate Production	375	—	3,400	3,775	3,047	—	—	728
TAX Liquor Profits Distribution	5,856	—	—	5,856	5,856	—	—	—
TAX Rural Health Care	219	—	—	219	219	—	—	—
HRM Human Resource Management	113	—	133	246	187	26	—	33
CSR Career Service Review Office	314	—	—	314	298	—	—	16
DTS Chief Information Officer	2,364	—	—	2,364	2,123	—	—	241
DTS Integrated Technology	1,750	654	1,143	3,547	3,117	—	—	430
Total Government Operations	183,506	1,209	16,833	201,548	136,563	3,512	1,233	60,240
Total General Government	$ 457,417	$ 29,110	$ 34,319	$ 520,846	$ 392,611	$ 3,954	$ 4,523	$ 119,758
HUMAN SERVICES								
Administration	$ 9,487	$ 8,817	$ 6,117	$ 24,421	$ 24,411	$ —	$ —	$ 10
Substance Abuse and Mental Health	134,561	36,231	23,643	194,435	192,892	—	271	1,272
Office of Public Guardian	503	40	343	886	869	—	—	17
Services for People with Disabilities	110,803	1,465	252,744	365,012	364,839	—	—	173
Recovery Services	14,109	19,603	10,861	44,573	44,568	5	—	—
Child and Family Services	121,625	70,057	(9,045)	182,637	181,048	—	40	1,549
JJS Community Providers	17,635	841	(501)	17,975	13,092	—	2,883	2,000
Juvenile Justice Services	78,719	1,017	(5)	79,731	72,682	—	2,049	5,000
Aging and Adult Services	15,500	12,147	(589)	27,058	26,235	573	—	250
Total Human Services	$ 502,942	$ 150,218	$ 283,568	$ 936,728	$ 920,636	$ 578	$ 5,243	$ 10,271
CORRECTIONS								
Department of Corrections								
Programs and Operations	$ 256,029	$ 605	$ 4,302	$ 260,936	$ 254,026	$ —	$ 8	$ 6,902
Medical Services	36,767	—	594	37,361	35,831	—	—	1,530
Jail Contracting	31,318	—	—	31,318	29,571	—	—	1,747
Total Department of Corrections	324,114	605	4,896	329,615	319,428	0	8	10,179
Board of Pardons and Parole								
Board of Pardons and Parole	$ 6,348	$ —	$ 1	$ 6,349	$ 5,576	$ 273	$ —	$ 500
Total Board of Pardons and Parole	6,348	0	1	6,349	5,576	273	0	500
Total Corrections	$ 330,462	$ 605	$ 4,897	$ 335,964	$ 325,004	$ 273	$ 8	$ 10,679
PUBLIC SAFETY								
Department of Public Safety								
UCA Administrative Services Division	$ 35,357	$ —	$ —	$ 35,357	$ 31,768	$ —	$ 3,589	$ —
Programs and Operations	110,086	728	19,775	130,589	115,668	—	2,141	12,780
Emergency Management	4,792	16,133	427	21,352	21,352	—	—	—
Emergency Management – National Guard	150	—	—	150	—	—	—	150
Emergency and Disaster Management	8,700	—	—	8,700	982	—	—	7,718
Bureau of Criminal Identification	6,857	11	6,800	13,668	10,173	65	1,430	2,000
Peace Officer's Standards and Training	4,913	—	51	4,964	3,633	—	831	500
Driver License	39,646	6	18	39,670	32,400	—	—	7,270
Highway Safety	2,115	4,157	327	6,599	5,878	—	—	721
Total Department of Public Safety	212,616	21,035	27,398	261,049	221,854	65	7,991	31,139
Utah National Guard								
Utah National Guard Administration	$ 6,864	$ 69,810	$ 715	$ 77,389	$ 77,235	$ —	$ —	$ 154
Total Utah National Guard	6,864	69,810	715	77,389	77,235	0	0	154
Department of Veteran's and Military Affairs								
Veteran's and Military Affairs	$ 4,933	$ 521	$ 309	$ 5,763	$ 5,216	$ —	$ —	$ 547
Total Department of Veteran's and Military Affairs	4,933	521	309	5,763	5,216	—	—	547
Total Public Safety	$ 224,413	$ 91,366	$ 28,422	$ 344,201	$ 304,305	$ 65	$ 7,991	$ 31,840
STATE COURTS								
Judicial Council	$ 131,583	$ 604	$ 1,996	$ 134,183	$ 126,766	$ 55	$ 4,510	$ 2,852
Grand Jury	1	—	—	1	1	—	—	—
Contracts and Leases	21,474	—	202	21,676	21,226	—	—	450
Jury and Witness Fees	2,709	—	9	2,718	2,438	—	—	280
Guardian Ad Litem	9,016	—	69	9,085	8,897	—	95	93

Detail Schedule of Expenditures – Budget and Actual
General Fund
(expressed in thousands)
Continued

For the Fiscal Year Ended June 30, 2019

Appropriation Line Item Name	Source of Funding: State Funds	Source of Funding: Federal Funds	Source of Funding: Restricted and Other Funds	Final Budget	Actual Expenditures	Lapse to Unrestricted	Lapse to Restricted and Other	Nonlapse or (Deficit) Carry Forward
Total State Courts	$ 164,783	$ 604	$ 2,276	$ 167,663	$ 159,328	$ 55	$ 4,605	$ 3,675
HEALTH and ENVIRONMENTAL QUALITY								
DOH Executive Director	$ 7,359	$ 5,399	$ 5,644	$ 18,402	$ 17,627	$ —	$ 4	$ 771
DOH Rural Physicians Loan Repayment Assistance	601	—	—	601	290	—	—	311
DOH Disease Control & Prevention	26,019	39,004	18,800	83,823	82,293	—	124	1,406
DOH Family Health & Preparedness	27,316	66,685	21,264	115,265	111,537	15	42	3,671
DOH Medicaid & Health Financing	7,756	85,307	42,556	135,619	134,273	38	235	1,073
DOH Medicaid Services	631,876	1,847,620	430,468	2,909,964	2,862,778	—	38,165	9,021
DOH Local Health Department Funding	2,138	—	—	2,138	2,138	—	—	—
DOH Children's Health Insurance	11,391	127,306	6,830	145,527	134,100	—	10,700	727
DOH Workforce Financial Assistance	694	—	—	694	372	—	—	322
DOH Medicaid Sanctions	1,979	—	—	1,979	—	—	—	1,979
DOH Federal Commodities	—	26,108	—	26,108	26,108	—	—	—
DEQ Executive Director	3,436	242	2,531	6,209	5,599	—	—	610
DEQ Air Quality	12,472	10,920	5,120	28,512	22,929	—	92	5,491
DEQ Environmental Response & Remediation	4,072	2,971	318	7,361	6,390	—	946	25
DEQ Water Quality	6,027	4,991	1,675	12,693	12,230	—	—	463
DEQ Drinking Water	3,058	3,569	(45)	6,582	5,990	—	204	388
DEQ Waste Management & Radiation Control	8,108	803	1,245	10,156	8,972	—	684	500
Total Health and Environmental Quality	$ 754,302	$ 2,220,925	$ 536,406	$ 3,511,633	$ 3,433,626	$ 53	$ 51,196	$ 26,758
HIGHER EDUCATION								
RGT Board of Regents Administration	$ 3,952	$ 260	$ 500	$ 4,712	$ 4,712	$ —	$ —	$ —
RGT Student Support	1,565	—	—	1,565	1,565	—	—	—
RGT Economic Development	378	—	—	378	378	—	—	—
RGT Student Assistance	28,104	—	—	28,104	28,104	—	—	—
RGT Math Competency Initiative	1,926	—	—	1,926	1,926	—	—	—
RGT Technology	7,984	—	—	7,984	7,984	—	—	—
RGT Education Excellence	4,527	—	—	4,527	4,527	—	—	—
RGT Medical Education Council	1,822	—	—	1,822	1,822	—	—	—
UOU Education & General	268,552	—	295,361	563,913	563,913	—	—	—
UOU Educationally Disadvantaged	716	—	—	716	716	—	—	—
UOU School of Medicine	38,621	—	32,955	71,576	71,576	—	—	—
UOU University Hospital	5,254	—	—	5,254	5,254	—	—	—
UOU Regional Dental Education	1,228	—	9,825	11,053	11,053	—	—	—
UOU Public Service	2,235	—	—	2,235	2,235	—	—	—
UOU Statewide TV Administration	2,672	—	—	2,672	2,672	—	—	—
UOU Cancer Research and Treatment	9,502	—	2,000	11,502	11,502	—	—	—
UOU Rocky Mountain Center for Occupational & Environmental Health	169	—	—	169	133	—	36	—
UOU Poison Control Center	2,844	—	—	2,844	2,844	—	—	—
UOU Center on Aging	112	—	—	112	112	—	—	—
USU Education & General	153,005	—	125,290	278,295	278,295	—	—	—
USU Educationally Disadvantaged	100	—	—	100	100	—	—	—
USU Water Research Lab	3,664	—	—	3,664	3,664	—	—	—
USU Agriculture Experiment Station	13,450	2,480	—	15,930	15,930	—	—	—
USU Cooperative Extension Service	17,725	2,440	—	20,165	20,165	—	—	—
USU Eastern Education & General	12,257	—	2,805	15,062	15,062	—	—	—
USU Eastern Educationally Disadvantaged	105	—	—	105	105	—	—	—
USU Eastern Career & Technical Education	1,444	—	22	1,466	1,466	—	—	—
USU Prehistoric Museum	518	—	—	518	518	—	—	—
USU Blanding Campus	2,989	—	1,035	4,024	4,024	—	—	—
USU – Regional Campus	15,193	—	27,691	42,884	42,884	—	—	—
Weber – Education and General	90,356	—	76,624	166,980	166,980	—	—	—
Weber – Educationally Disadvantaged	388	—	—	388	388	—	—	—
SUU – Education and General	42,436	—	50,190	92,626	92,626	—	—	—
SUU – Educationally Disadvantaged	96	—	—	96	96	—	—	—
SUU – Shakespeare Festival	22	—	—	22	22	—	—	—
SUU – Rural Development	107	—	—	107	107	—	—	—
Snow College – Education and General	32,156	—	11,365	43,521	43,521	—	—	—
Snow College – Educationally Disadvantaged	32	—	—	32	32	—	—	—

Detail Schedule of Expenditures – Budget and Actual
General Fund
(expressed in thousands)
Continued

For the Fiscal Year Ended June 30, 2019

Appropriation Line Item Name	Source of Funding: State Funds	Source of Funding: Federal Funds	Source of Funding: Restricted and Other Funds	Final Budget	Actual Expenditures	Lapse to Unrestricted	Lapse to Restricted and Other	Nonlapse or (Deficit) Carry Forward
Snow College – Career Technology Education	1,423	—	—	1,423	1,423	—	—	—
Dixie – Education and General	39,730	—	32,877	72,607	72,607	—	—	—
Dixie – Educationally Disadvantaged	26	—	—	26	26	—	—	—
Dixie – Zion Park Amphitheater	57	—	19	76	76	—	—	—
UVU – Education and General	117,092	—	140,958	258,050	258,050	—	—	—
UVU – Educationally Disadvantaged	179	—	—	179	179	—	—	—
SLCC – Education and General	96,032	—	56,606	152,638	152,638	—	—	—
SLCC – Educationally Disadvantaged	178	—	—	178	178	—	—	—
SLCC – School of Applied Technology	6,846	—	779	7,625	7,625	—	—	—
USTC – Administration	11,507	—	—	11,507	11,507	—	—	—
USTC – Bridgerland	14,062	—	—	14,062	14,062	—	—	—
USTC – Davis	16,164	—	—	16,164	16,164	—	—	—
USTC – Ogden/Weber	15,646	—	—	15,646	15,646	—	—	—
USTC – Uintah Basin	8,197	—	—	8,197	8,197	—	—	—
USTC – Mountainland	12,248	—	—	12,248	12,248	—	—	—
USTC – Southwest	5,484	—	—	5,484	5,484	—	—	—
USTC – Dixie	7,696	—	—	7,696	7,696	—	—	—
USTC – Tooele	4,284	—	—	4,284	4,284	—	—	—
Utah Education and Telehealth Network	33,636	—	—	33,636	33,636	—	—	—
UETN – Digital Teaching and Learning Program	165	—	—	165	165	—	—	—
Total Higher Education	$ 1,158,858	$ 5,180	$ 866,902	$ 2,030,940	$ 2,030,904	$ 0	$ 36	$ 0
WORKFORCE SERVICES								
Office of Rehabilitation	$ 27,985	$ 44,847	$ 639	$ 73,471	$ 66,380	$ 1	$ 8	$ 7,082
Office of Child Care	280	—	—	280	110	170	—	—
Administration	4,392	6,475	2,563	13,430	13,167	76	187	—
Operations and Policy	68,637	189,795	43,353	301,785	293,779	180	6,632	1,194
Nutritional Assistance – SNAP	—	239,724	—	239,724	239,724	—	—	—
General Assistance	4,959	—	250	5,209	3,582	—	—	1,627
Unemployment Insurance Administration	2,677	16,321	527	19,525	18,852	—	673	—
Operation Rio Grande	10,368	—	—	10,368	8,323	45	—	2,000
Housing and Community Development	33,389	38,972	2,015	74,376	69,124	2	2,907	2,343
HCD Capital Development	53,505	—	—	53,505	53,505	—	—	—
HCD Special Districts	3,270	—	—	3,270	3,269	—	1	—
Total Workforce Services	$ 209,462	$ 536,134	$ 49,347	$ 794,943	$ 769,815	$ 474	$ 10,408	$ 14,246
NATURAL RESOURCES								
Department of Natural Resources	$ 3,040	$ —	$ —	$ 3,040	$ 2,807	$ 8	$ —	$ 225
Building Operations	1,789	—	—	1,789	1,789	—	—	—
Forestry, Fire, and State Lands	51,716	4,085	6,970	62,771	47,763	2,094	704	12,210
Oil, Gas, and Mining	9,919	6,344	132	16,395	11,355	175	1,314	3,551
Wildlife Resources	52,202	18,015	280	70,497	67,179	25	2,707	586
Species Protection	1,109	—	2,450	3,559	3,228	—	131	200
Predator Control	60	—	—	60	60	—	—	—
Watershed Development	5,407	—	500	5,907	5,212	—	—	695
Pass Through	9,152	—	—	9,152	3,857	344	1	4,950
Contributed Research	—	—	1,130	1,130	1,130	—	—	—
Cooperative Environmental Studies	—	16,788	21,090	37,878	37,878	—	—	—
Parks and Recreation	39,843	1,546	860	42,249	38,903	75	2,964	307
Parks and Recreation – Capital Development	11,953	1,190	122	13,265	5,390	—	—	7,875
Utah Geological Survey	11,382	747	974	13,103	7,498	5	—	5,600
Water Resources	22,010	—	150	22,160	10,257	373	1,046	10,484
Wildlife Resources – Capital Development	1,432	1,105	—	2,537	1,849	—	688	—
Water Rights	9,515	147	4,449	14,111	12,370	—	1,241	500
Public Lands Policy Office	9,158	—	—	9,158	4,979	—	179	4,000
Total Natural Resources	$ 239,687	$ 49,967	$ 39,107	$ 328,761	$ 263,504	$ 3,099	$ 10,975	$ 51,183
HERITAGE and ARTS								
Heritage and Arts Administration	$ 5,018	$ —	$ 44	$ 5,062	$ 3,916	$ —	$ 8	$ 1,138
Indian Affairs	496	—	45	541	376	—	100	65
State History	2,482	912	134	3,528	3,468	—	—	60
Historical Society	122	—	76	198	80	—	—	118
Arts and Museums	5,763	879	1,332	7,974	4,918	—	—	3,056

Detail Schedule of Expenditures – Budget and Actual
General Fund
(expressed in thousands)
Continued

For the Fiscal Year Ended June 30, 2019

	Source of Funding							
Appropriation Line Item Name	**State Funds**	**Federal Funds**	**Restricted and Other Funds**	**Final Budget**	**Actual Expenditures**	**Lapse to Unrestricted**	**Lapse to Restricted and Other**	**Nonlapse or (Deficit) Carry Forward**
Museum Services	263	—	—	263	253	—	—	10
State Library	4,828	2,199	1,975	9,002	8,533	—	—	469
Commission on Service & Volunteerism	240	3,830	33	4,103	4,103	—	—	—
DHA Pass Through	7,431	—	—	7,431	5,584	—	62	1,785
Total Heritage and Arts	$ 26,643	$ 7,820	$ 3,639	$ 38,102	$ 31,231	$ 0	$ 170	$ 6,701
BUSINESS, LABOR, and AGRICULTURE								
DAG Agriculture & Food - Administration	$ 3,129	$ 491	$ 961	$ 4,581	$ 3,948	$ —	$ 2	$ 631
DAG Building Operations	357	—	—	357	357	—	—	—
DAG Utah State Fair	300	—	—	300	300	—	—	—
DAG Predatory Animal Control	1,621	—	615	2,236	2,043	80	108	5
DAG Invasive Species Mitigation	2,971	—	—	2,971	2,012	—	209	750
DAG Rangeland Improvement	2,418	—	—	2,418	1,757	—	161	500
DAG Animal Health	4,946	1,394	170	6,510	6,065	—	—	445
DAG Plant Industry	2,281	1,310	4,669	8,260	7,268	—	—	992
DAG Regulatory Services	3,228	1,422	3,145	7,795	6,627	—	—	1,168
DAG Marketing & Economic Development	880	—	8	888	841	—	—	47
DAG Resource Conservation	2,770	425	386	3,581	3,581	—	—	—
Labor Commission	12,008	2,924	72	15,004	14,184	—	820	—
Commerce Administration	31,012	356	1,041	32,409	28,848	76	270	3,215
COM Building Inspector Training	1,044	—	607	1,651	423	—	—	1,228
CRC DPU Professional & Technical Services	4,273	—	—	4,273	315	—	—	3,958
CRC CCS Professional & Technical Services	4,945	—	—	4,945	83	—	—	4,862
Financial Institutions	7,832	—	—	7,832	6,711	—	1,121	—
Insurance Department	16,332	91	—	16,423	11,379	—	1,089	3,955
INS Bail Bond Program	36	—	—	36	11	—	25	—
INS Title Insurance Program	243	—	—	243	100	—	24	119
INS Health Insurance Actuary	355	—	—	355	192	—	—	163
Public Service Commission	3,300	—	9	3,309	2,474	—	—	835
Total Business, Labor, and Agriculture	$ 106,281	$ 8,413	$ 11,683	$ 126,377	$ 99,519	$ 156	$ 3,829	$ 22,873
TOTAL GENERAL FUND								
Total Expenditures	$ 4,175,250	$ 3,100,342	$ 1,860,566	$ 9,136,158	$ 8,730,483	$ 8,707	$ 98,984	$ 297,984

Detail Schedule of Expenditures – Budget and Actual
Education Fund, Transportation Fund, Transportation Investment Fund, and Debt Service Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Source of Funding							
Appropriation Line Item Name	**State Funds**	**Federal Funds**	**Restricted and Other Funds**	**Final Budget**	**Actual Expenditures**	**Lapse to Unrestricted**	**Lapse to Restricted and Other**	**Nonlapse or (Deficit) Carry Forward**
EDUCATION FUND								
State Board of Education								
Office of Education	$ 48,183	$ 157,202	$ 2,874	$ 208,259	$ 182,638	$ —	$ 285	$ 25,336
Teaching & Learning	169	—	8,618	8,787	8,735	—	—	52
Child Nutrition	3,915	159,220	47,799	210,934	206,951	—	—	3,983
Fine Arts Outreach	4,853	—	—	4,853	4,724	—	—	129
Educational Contracts	24	—	(2)	22	9	—	—	13
State Charter School Board	6,324	—	(203)	6,121	2,182	—	—	3,939
Science Outreach	5,290	—	—	5,290	5,241	—	—	49
Regional Service Centers	2,000	—	—	2,000	2,000	—	—	—
Educator Licensing	2,755	—	(393)	2,362	2,292	20	—	50
Initiative Programs	67,861	—	1,529	69,390	46,281	—	40	23,069
MSP Categorical Program Administration	5,350	—	(421)	4,929	2,649	—	—	2,280
Federal Commodities	—	17,116	—	17,116	17,116	—	—	—
MSP Basic School Program	2,510,860	—	—	2,510,860	2,481,047	—	—	29,813
MSP Related to Basic Programs	801,610	—	—	801,610	774,350	—	343	26,917
MSP Voted & Board Leeway Programs	215,338	—	—	215,338	215,338	—	—	—
MSP School Building Programs	33,250	—	—	33,250	33,250	—	—	—
General System Support	46,134	28,138	6,097	80,369	54,857	—	85	25,427
Charter School Finance Authority	50	—	—	50	—	—	50	—
Total State Board of Education	$ 3,753,966	$ 361,676	$ 65,898	$ 4,181,540	$ 4,039,660	$ 20	$ 803	$ 141,057
Schools for the Deaf and the Blind								
Schools for the Deaf and the Blind	$ 30,900	$ 99	$ 8,124	$ 39,123	$ 39,123	$ —	$ —	$ —
Total Schools for the Deaf and the Blind	30,900	99	8,124	39,123	39,123	0	0	0
Total Education Fund	$ 3,784,866	$ 361,775	$ 74,022	$ 4,220,663	$ 4,078,783	$ 20	$ 803	$ 141,057
TRANSPORTATION FUND								
Support Services	$ 40,697	$ 3,430	$ —	$ 44,127	$ 42,956	$ —	$ —	$ 1,171
Engineering Services	24,855	22,790	—	47,645	47,262	83	—	300
Maintenance Management	169,977	8,358	8,138	186,473	179,113	4,636	2,137	587
Construction Management	137,481	314,599	5,206	457,286	380,176	77,110	—	—
Region Management	26,389	2,691	—	29,080	28,446	434	—	200
Aeronautics	10,493	242	430	11,165	8,444	—	459	2,262
Share the Road	25	—	—	25	25	—	—	—
B and C Roads	178,930	—	—	178,930	178,930	—	—	—
Safe Sidewalk Construction	1,229	—	—	1,229	727	—	—	502
Mineral Lease	29,601	—	—	29,601	29,601	—	—	—
Corridor Preservation	25,444	—	—	25,444	25,444	—	—	—
Cooperative Agreements	—	34,265	16,970	51,235	51,235	—	—	—
Tollway	1,435	—	—	1,435	1,435	—	—	—
Counties of the 1st and 2nd Class	22,062	—	—	22,062	22,062	—	—	—
Inventory and Miscellaneous	—	—	29,863	29,863	2,244	27,619	—	—
Total Transportation Fund	$ 668,618	$ 386,375	$ 60,607	$ 1,115,600	$ 998,100	$ 109,882	$ 2,596	$ 5,022
TRANSPORTATION INVESTMENT FUND								
TIF Capacity Program	$ 578,001	$ —	$ —	$ 578,001	$ 451,913	$ 126,088	$ —	$ —
Total Transportation Investment Fund	$ 578,001	$ 0	$ 0	$ 578,001	$ 451,913	$ 126,088	$ 0	$ 0
DEBT SERVICE FUNDS								
General Government	$ 352,175	$ 14,307	$ 6,003	$ 372,485	$ 343,969	$ 14,307	$ —	$ 14,209
State Building Ownership Authority	35,654	1,560	(10,484)	26,730	20,398	—	—	6,332
Total Debt Service Funds	$ 387,829	$ 15,867	$ (4,481)	$ 399,215	$ 364,367	$ 14,307	$ 0	$ 20,541

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Housing Loan Programs

These programs provide loans or grants to low income or special needs individuals for construction, rehabilitation, or purchase of single or multi-family housing. Funds are provided from federal programs, loan repayments, appropriations, and interest earnings.

Agriculture Loan Fund

This fund is comprised of two separate revolving loan programs: the Agriculture Resource Development Fund and the Rural Rehabilitation Fund. Both programs issue farm loans for soil and water conservation projects and the rehabilitation of rural areas within the State.

Energy Efficiency Fund

This fund provides revolving loans to assist in the conversion of government and private fleet vehicles to clean fuel and for energy efficiency projects in political subdivisions and state facilities. Funds are provided from public and private contributions, appropriations, and interest earnings on loans and invested funds.

Local Government Loan Fund

This fund provides revolving loan programs to local governments for infrastructure assistance, to expedite construction projects, and for providing emergency disaster services. These loan programs are funded with state appropriations.

Alcoholic Beverage Control

The Alcoholic Beverage Control Commission was established to conduct, license, and regulate the sale of alcoholic beverages. Funding is provided through the sale of products. The net profit from the fund is transferred to the State's General Fund and is used for general government purposes.

Utah Correctional Industries

Utah Correctional Industries (UCI) was established to provide work training opportunities for inmates of the Utah State Prison. UCI manufactures and sells such items as license plates, furniture, highway signs, dairy, plant nursery, and textile products, and provides printing services and miscellaneous other products and services. Funding comes from charges for products and services.

State Trust Lands Administration

The Utah School and Institutional Trust Lands Administration (SITLA) and the School and Institutional Trust Fund Office (SITFO) manage the assets of the Trust Lands permanent fund. Their objective is to maximize revenue from land assets and investment returns for the beneficiaries.

Utah Dairy Commission

The purpose of the Commission is to promote the use of dairy products. Its operations are comprised of promotion, advertising, research, and nutritional education regarding dairy products. Funding consists primarily of fees from milk producers.

Medical Cannabis Fund

The purpose of this fund is to conduct, license, and regulate the sale of cannabis related products. Funding consists primarily of fees from cannabis growers.

Combining Statement of Net Position
Nonmajor Enterprise Funds
(expressed in thousands)

June 30, 2019

	Housing Loan Programs	Agriculture Loan Fund	Energy Efficiency Fund	Local Government Loan Fund
ASSETS				
Current Assets:				
Cash and Cash Equivalents	$ 17,561	$ 26,019	$ 2,256	$ 17,095
Receivables:				
Accounts, net	760	—	—	—
Accrued Interest	1,988	411	4	324
Notes/Loans/Mortgages, net	6,718	4,674	322	3,170
Due From Other Funds	—	—	—	—
Due From Component Units	—	—	—	—
Prepaid Items	—	—	—	—
Inventories	595	—	—	—
Total Current Assets	27,622	31,104	2,582	20,589
Noncurrent Assets:				
Investments	—	—	—	—
Accrued Interest Receivable	1,098	—	—	202
Notes/Loans/Mortgages Receivables, net	127,195	23,571	1,360	45,765
Capital Assets:				
Land	—	—	—	—
Infrastructure – depreciating	—	—	—	—
Buildings and Improvements	—	—	—	—
Machinery and Equipment	—	20	—	—
Intangible Assets – Software	—	—	—	—
Construction in Progress	—	—	—	—
Less Accumulated Depreciation	—	(20)	—	—
Total Capital Assets	0	0	0	0
Total Noncurrent Assets	128,293	23,571	1,360	45,967
Total Assets	$ 155,915	$ 54,675	$ 3,942	$ 66,556
DEFERRED OUTFLOWS OF RESOURCES				
Deferred Amount on Refundings of Bonded Debt	$ —	$ —	$ —	$ —
Deferred Outflows Relating to Pensions	—	—	—	—
Deferred Outflows Relating to Other Postemployment Benefits	—	—	—	—
Total Deferred Outflows of Resources	$ 0	$ 0	$ 0	$ 0
LIABILITIES				
Current Liabilities:				
Accounts Payable and Accrued Liabilities	$ 431	$ 196	$ —	$ —
Deposits	1	—	—	—
Due To Other Funds	3	1	—	—
Unearned Revenue	—	—	—	—
Notes Payable	—	—	—	—
Revenue Bonds Payable	—	—	—	—
Total Current Liabilities	435	197	0	0
Noncurrent Liabilities:				
Notes Payable	—	—	—	—
Revenue Bonds Payable	—	—	—	—
Net Pension Liability	—	—	—	—
Net Other Postemployment Benefit Liability	—	—	—	—
Total Noncurrent Liabilities	0	0	0	0
Total Liabilities	$ 435	$ 197	$ 0	$ 0
DEFERRED INFLOWS OF RESOURCES				
Deferred Inflows Relating to Pensions	$ —	$ —	$ —	$ —
Deferred Inflows Relating to Other Postemployment Benefits	—	—	—	—
Total Deferred Inflows of Resources	$ 0	$ 0	$ 0	$ 0
NET POSITION				
Net Investment in Capital Assets	$ —	$ —	$ —	$ —
Restricted for:				
Loan Programs	97,671	5,352	—	65,030
Unrestricted	57,809	49,126	3,942	1,526
Total Net Position	$ 155,480	$ 54,478	$ 3,942	$ 66,556

Alcoholic Beverage Control	Utah Correctional Industries	State Trust Lands Administration	Utah Dairy Commission	Medical Cannabis Fund	Total Nonmajor Enterprise Funds
$ 5,206	$ 581	$ 4,521	$ 793	$ 5,146	$ 79,178
742	318	11,081	277	—	13,178
—	—	—	—	—	2,727
—	—	—	—	—	14,884
13,930	1,793	5	—	—	15,728
—	1	—	—	—	1
1,759	—	—	—	1	1,760
36,619	1,436	—	—	—	38,650
58,256	4,129	15,607	1,070	5,147	166,106
—	—	—	242	—	242
—	—	—	—	—	1,300
1,122	—	—	—	—	199,013
27,123	—	263	297	—	27,683
126	304	—	—	—	430
82,528	4,027	233	1,497	—	88,285
8,402	5,029	1,321	37	—	14,809
2,304	644	—	—	—	2,948
2,993	—	—	—	—	2,993
(43,381)	(5,258)	(1,282)	(69)	—	(50,010)
80,095	4,746	535	1,762	0	87,138
81,217	4,746	535	2,004	0	287,693
$ 139,473	$ 8,875	$ 16,142	$ 3,074	$ 5,147	$ 453,799
$ 2,708	$ 108	$ —	$ —	$ —	$ 2,816
3,145	2,398	2,030	144	—	7,717
270	90	133	—	—	493
$ 6,123	$ 2,596	$ 2,163	$ 144	$ 0	$ 11,026
$ 15,120	$ 1,654	$ 7,300	$ 58	$ 13	$ 24,772
—	—	1	—	—	2
35,299	121	1,999	—	2	37,425
1,122	8	3,703	—	—	4,833
—	—	—	19	—	19
6,571	138	—	—	—	6,709
58,112	1,921	13,003	77	15	73,760
—	—	—	599	—	599
69,263	830	—	—	—	70,093
7,024	5,063	4,961	387	—	17,435
561	222	325	—	—	1,108
76,848	6,115	5,286	986	0	89,235
$ 134,960	$ 8,036	$ 18,289	$ 1,063	$ 15	$ 162,995
$ 219	$ 244	$ 6	$ 139	$ —	$ 608
303	102	150	—	—	555
$ 522	$ 346	$ 156	$ 139	$ 0	$ 1,163
$ 20,475	$ 3,977	$ 535	$ 1,145	$ —	$ 26,132
—	—	—	—	—	168,053
(10,361)	(888)	(675)	871	5,132	106,482
$ 10,114	$ 3,089	$ (140)	$ 2,016	$ 5,132	$ 300,667

Combining Statement of Revenues, Expenses and Changes in Fund Net Position
Nonmajor Enterprise Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Housing Loan Programs	Agriculture Loan Fund	Energy Efficiency Fund	Local Government Loan Fund
OPERATING REVENUES				
Sales and Charges for Services/Premiums	$ —	$ —	$ 1	$ —
Fees and Assessments	—	—	—	—
Interest on Notes/Mortgages	2,254	887	—	—
Miscellaneous	13	4	—	—
Total Operating Revenues	2,267	891	1	0
OPERATING EXPENSES				
Administration	38	239	—	—
Purchases, Materials, and Services for Resale	—	—	—	—
Grants	1,161	—	262	—
Rentals and Leases	1	3	—	—
Maintenance	8	4	—	—
Depreciation/Amortization	—	—	—	—
Miscellaneous Other:				
Data Processing	—	17	—	—
Supplies	—	2	—	—
Utilities	—	2	—	—
Advertising and Other	327	4	1	1
Total Operating Expenses	1,535	271	263	1
Operating Income (Loss)	732	620	(262)	(1)
NONOPERATING REVENUES (EXPENSES)				
Investment Income	233	511	74	1,527
Federal Contracts and Grants	5,658	—	—	—
Disposal of Capital Assets	—	—	—	—
Tax Revenues	—	525	—	—
Interest Expense	—	—	—	—
Total Nonoperating Revenues (Expenses)	5,891	1,036	74	1,527
Income (Loss) before Transfers	6,623	1,656	(188)	1,526
Capital Contributions	—	—	—	—
Transfers In	1,775	—	—	—
Transfers Out	(635)	(1,752)	(127)	—
Change in Net Position	7,763	(96)	(315)	1,526
Net Position – Beginning	147,717	54,574	4,257	65,030
Adjustment to Beginning Net Position	—	—	—	—
Net Position – Beginning as Adjusted	147,717	54,574	4,257	65,030
Net Position – Ending	$ 155,480	$ 54,478	$ 3,942	$ 66,556

Alcoholic Beverage Control	Utah Correctional Industries	State Trust Lands Administration	Utah Dairy Commission	Medical Cannabis Fund	Total Nonmajor Enterprise Funds
$ 426,588	$ 22,897	$ 20,274	$ —	$ —	$ 469,760
3,617	—	22	2,550	148	6,337
27	—	—	—	—	3,168
597	—	—	—	—	614
430,829	22,897	20,296	2,550	148	479,879
23,694	5,903	8,996	244	383	39,497
261,897	14,503	—	167	—	276,567
—	—	—	—	—	1,423
985	274	698	—	—	1,961
4,463	374	674	—	—	5,523
3,312	446	2	45	—	3,805
2,926	331	215	—	20	3,509
500	1,210	165	—	2	1,879
256	128	108	—	4	498
10,058	414	8,201	1,755	11	20,772
308,091	23,583	19,059	2,211	420	355,434
122,738	(686)	1,237	339	(272)	124,445
69	—	—	—	4	2,418
305	—	—	—	—	5,963
(14)	(112)	—	(6)	—	(132)
—	—	—	—	—	525
(3,170)	(24)	—	(47)	—	(3,241)
(2,810)	(136)	0	(53)	4	5,533
119,928	(822)	1,237	286	(268)	129,978
—	—	—	—	—	—
5,000	—	—	—	5,400	12,175
(119,928)	—	(115)	—	—	(122,557)
5,000	(822)	1,122	286	5,132	19,596
5,114	3,911	(1,262)	1,730	—	281,071
—	—	—	—	—	—
5,114	3,911	(1,262)	1,730	—	281,071
$ 10,114	$ 3,089	$ (140)	$ 2,016	$ 5,132	$ 300,667

Combining Statement of Cash Flows
Nonmajor Enterprise Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Housing Loan Programs	Agriculture Loan Fund	Energy Efficiency Fund	Local Government Loan Fund
CASH FLOWS FROM OPERATING ACTIVITIES				
Receipts from Customers/Loan Interest/Fees/Premiums	$ 2,260	$ 889	$ 1	$ —
Receipts from Loan Maturities	6,920	4,110	—	—
Receipts from State Customers	—	—	—	—
Payments to Suppliers/Claims/Grants	(365)	(4,818)	(262)	—
Disbursements for Loans Receivable	(12,204)	(3,454)	—	—
Payments for Employee Services and Benefits	(38)	(239)	—	—
Payments to State Suppliers	(874)	4,967	(1)	(1)
Payments of Sales Tax and School Lunch Collections	—	—	—	—
Net Cash Provided (Used) by Operating Activities	(4,301)	1,455	(262)	(1)
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES				
Borrowings Under Interfund Loans	—	—	—	—
Repayments Under Interfund Loans	—	—	—	—
Federal Contracts, Grants and Other Revenues	7,153	—	—	—
Restricted Sales Tax	—	525	—	—
Transfers In from Other Funds	1,775	—	—	—
Transfers Out to Other Funds	(635)	(1,752)	(127)	—
Net Cash Provided (Used) by Noncapital Financing Activities	8,293	(1,227)	(127)	0
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES				
Proceeds from Bond and Note Debt Issuance/Grants	—	—	—	—
Proceeds from Disposition of Capital Assets	—	—	—	—
Principal Paid on Debt and Contract Maturities	—	—	—	—
Acquisition and Construction of Capital Assets	—	—	—	—
Interest Paid on Bonds, Notes, and Capital Leases	—	—	—	—
Net Cash Provided (Used) by Capital and Related Financing Activities	0	0	0	0
CASH FLOWS FROM INVESTING ACTIVITIES				
Proceeds from the Sale and Maturity of Investments	—	—	—	—
Receipts of Interest and Dividends	233	511	—	472
Receipts from Loan Maturities	—	—	335	1,722
Receipts of Interest from Loans	—	—	74	597
Disbursements for Loans Receivable	—	—	—	(36,750)
Net Cash Provided (Used) by Investing Activities	233	511	409	(33,959)
Net Cash Provided (Used) – All Activities	4,225	739	20	(33,960)
Cash and Cash Equivalents – Beginning	13,336	25,280	2,236	51,055
Cash and Cash Equivalents – Ending	$ 17,561	$ 26,019	$ 2,256	$ 17,095

	Alcoholic Beverage Control	Utah Correctional Industries	State Trust Lands Administration	Utah Dairy Commission	Medical Cannabis Fund	Total Nonmajor Enterprise Funds
	$ 481,419	$ 9,935	$ —	$ 2,523	$ 148	$ 497,175
	—	—	—	—	—	11,030
	—	11,915	14,246	—	—	26,161
	(272,443)	(14,670)	(4,587)	(2,103)	13	(299,235)
	—	—	—	—	—	(15,658)
	(23,585)	(5,771)	(8,742)	(248)	(383)	(39,006)
	(6,824)	(2,903)	(215)	—	(36)	(5,887)
	(50,039)	—	—	—	—	(50,039)
	128,528	(1,494)	702	172	(258)	124,541
	34,418	—	—	—	—	34,418
	(34,574)	—	—	—	—	(34,574)
	—	—	—	—	—	7,153
	—	—	—	—	—	525
	5,000	—	—	—	5,400	12,175
	(119,928)	—	(115)	—	—	(122,557)
	(115,084)	0	(115)	0	5,400	(102,860)
	305	—	—	—	—	305
	—	13	—	—	—	13
	(5,418)	(174)	—	(17)	—	(5,609)
	(812)	(504)	—	—	—	(1,316)
	(3,554)	(44)	—	(37)	—	(3,635)
	(9,479)	(709)	0	(54)	0	(10,242)
	—	—	—	12	—	12
	69	—	—	(10)	4	1,279
	—	—	—	—	—	2,057
	—	—	—	—	—	671
	—	—	—	—	—	(36,750)
	69	0	0	2	4	(32,731)
	4,034	(2,203)	587	120	5,146	(21,292)
	1,172	2,784	3,934	673	—	100,470
	$ 5,206	$ 581	$ 4,521	$ 793	$ 5,146	$ 79,178

Combining Statement of Cash Flows
Nonmajor Enterprise Funds
(expressed in thousands)
Continued

For the Fiscal Year Ended June 30, 2019

	Housing Loan Program	Agriculture Loan Fund	Energy Efficiency Fund	Local Government Loan Fund
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED (USED) BY OPERATING ACTIVITIES				
Operating Income (Loss)	$ 732	$ 620	$ (262)	$ (1)
Adjustments to Reconcile Operating Income (Loss) to Net Cash Provided (Used) by Operating Activities:				
Depreciation/Amortization Expense	—	—	—	—
Pension and OPEB Expense Accruals	—	—	—	—
Net Changes in Assets, Deferred Outflows of Resources, Liabilities, and Deferred Inflows of Resources:				
Accounts Receivable/Due From Other Funds	—	—	—	—
Notes/Accrued Interest Receivables	(5,235)	653	—	—
Inventories	(57)	—	—	—
Prepaid Items	—	1	—	—
Accrued Liabilities/Due to Other Funds	259	181	—	—
Unearned Revenue/Deposits	—	—	—	—
Net Cash Provided (Used) by Operating Activities	$ (4,301)	$ 1,455	$ (262)	$ (1)
SCHEDULE OF NONCASH INVESTING, CAPITAL, AND FINANCING ACTIVITIES				
Increase (Decrease) in Fair Value of Investments	$ —	$ —	$ —	$ (186)
Total Noncash Investing, Capital, and Financing Activities	$ 0	$ 0	$ 0	$ (186)

	Alcoholic Beverage Control	Utah Correctional Industries	State Trust Lands Administration	Utah Dairy Commission	Medical Cannabis Fund	Total Nonmajor Enterprise Funds
	$ 122,738	$ (686)	$ 1,237	$ 339	$ (272)	$ 124,445
	3,312	446	2	45	—	3,805
	26	160	254	7	—	447
	551	(931)	(6,834)	(67)	—	(7,281)
	42	—	—	—	—	(4,540)
	(766)	110	—	12	—	(701)
	(1,664)	285	—	11	(1)	(1,368)
	4,331	(762)	5,259	(175)	15	9,108
	(42)	(116)	784	—	—	626
	$ 128,528	$ (1,494)	$ 702	$ 172	$ (258)	$ 124,541
	$ —	$ —	$ —	$ —	$ —	$ (186)
	$ 0	$ 0	$ 0	$ 0	$ 0	$ (186)

Detail Schedule of Expenditures - Budget and Actual Comparison
Enterprise Funds with Legally Adopted Annual Budgets
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Source of Funding							
Appropriation Line Item Name	State Funds	Federal Funds	Restricted and Other Funds	Final Budget	Actual Expenditures	Lapse to Unrestricted	Lapse to Restricted And Other	Nonlapse or (Deficit) Carry Forward
ALCOHOLIC BEVERAGE CONTROL								
Alcoholic Beverage Control Administration	$ 52,384	$ —	$ —	$ 52,384	$ 51,335	$ 549	$ —	$ 500
ABC – Parents Empowered	2,607	—	—	2,607	2,530	—	—	77
Total Alcoholic Beverage Control	$ 54,991	$ 0	$ 0	$ 54,991	$ 53,865	$ 549	$ 0	$ 577

Technology Services

This fund is responsible for providing data processing and various other computer services along with voice and data communication services to state agencies.

General Services

This fund manages cooperative purchasing contracts and provides purchasing card, printing and mailing services, and surplus property services to state agencies. This fund also provides warehouse services for the Department of Natural Resources.

Fleet Operations

This fund provides motor pool, fuel network, and travel services to state agencies. This fund also provides transaction entry services for the Department of Administrative Services.

Risk Management

This fund provides insurance coverage and loss prevention services to state agencies, institutions of higher education, and participating local school districts. Coverage is provided using a combination of self-insurance and private excess insurance.

Property Management

This fund is responsible for the operation and maintenance of facilities used by state agencies. This fund is also used to account for the State's facility energy efficiency program.

Human Resource Management

This fund provides human resource and payroll services to state agencies.

Attorney General Legal Services

This fund includes legal services provided to state agencies by the civil division of the Utah Office of the Attorney General.

Combining Statement of Net Position
Internal Service Funds
(expressed in thousands)

June 30, 2019

	Technology Services	General Services	Fleet Operations	Risk Management	Property Management	Human Resource Management	Attorney General Legal Services	Total
ASSETS								
Current Assets:								
Cash and Cash Equivalents	$ —	$ 3,336	$ 102	$ 69,790	$ 6,160	$ 580	$ —	$ 79,968
Receivables:								
Accounts, net	514	3,085	2,650	202	79	—	78	6,608
Due From Other Funds	28,445	2,589	3,928	708	907	534	3,509	40,620
Due From Component Units	—	20	23	9	815	—	1	868
Prepaid Items	2,964	194	3	766	78	—	—	4,005
Inventories	147	1,222	1,676	—	—	—	—	3,045
Total Current Assets	32,070	10,446	8,382	71,475	8,039	1,114	3,588	135,114
Noncurrent Assets:								
Prepaid Items	5,530	—	—	—	182	—	—	5,712
Capital Assets:								
Infrastructure	38	—	—	—	—	—	—	38
Buildings and Improvements	3,883	1,379	193	—	—	—	—	5,455
Machinery and Equipment	32,966	12,524	134,115	—	638	49	—	180,292
Intangible Assets–Software	7,268	1,572	432	655	120	2,468	—	12,515
Less Accumulated Depreciation	(35,264)	(11,741)	(62,447)	(655)	(635)	(518)	—	(111,260)
Total Capital Assets	8,891	3,734	72,293	—	123	1,999	—	87,040
Total Noncurrent Assets	14,421	3,734	72,293	—	305	1,999	—	92,752
Total Assets	$ 46,491	$ 14,180	$ 80,675	$ 71,475	$ 8,344	$ 3,113	$ 3,588	$ 227,866
DEFERRED OUTFLOWS OF RESOURCES								
Deferred Amount on Refundings of Bonded Debt	$ —	$ 1	$ —	$ —	$ —	$ —	$ —	$ 1
Deferred Outflows Relating to Pensions	21,559	1,561	478	956	1,917	2,809	4,819	34,099
Deferred Outflows Relating to Other Postemployment Benefit	1,379	81	—	—	156	200	329	2,145
Total Deferred Outflows of Resources	$ 22,938	$ 1,643	$ 478	$ 956	$ 2,073	$ 3,009	$ 5,148	$ 36,245
LIABILITIES								
Current Liabilities:								
Accounts Payable and Accrued Liabilities	$ 18,987	$ 2,866	$ 4,431	$ 1,619	$ 2,330	$ 512	$ —	$ 30,745
Due To Other Funds	923	103	224	1,445	5	5	214	2,919
Due To Component Units	—	—	—	2	—	—	—	2
Interfund Loans Payable	2,669	901	15,784	—	—	—	—	19,354
Unearned Revenue	227	371	—	—	5	—	—	603
Policy Claims Liabilities	—	—	—	22,709	—	—	—	22,709
Contracts/Notes Payable	—	—	—	—	45	—	—	45
Revenue Bonds Payable	—	37	—	—	—	—	—	37
Total Current Liabilities	22,806	4,278	20,439	25,775	2,385	517	214	76,414
Noncurrent Liabilities:								
Unearned Revenue	32	—	—	—	—	—	—	32
Interfund Loans Payable	—	1,033	7,805	—	—	—	3,225	12,063
Policy Claims Liabilities	—	—	—	40,849	—	—	—	40,849
Contracts/Notes Payable	—	—	—	—	182	—	—	182
Revenue Bonds Payable	—	21	—	—	—	—	—	21
Net Pension Liability	56,012	3,623	1,433	2,373	5,039	7,306	15,192	90,978
Net Other Postemployment Benefit Liability	3,364	301	—	—	296	519	633	5,113
Total Noncurrent Liabilities	59,408	4,978	9,238	43,222	5,517	7,825	19,050	149,238
Total Liabilities	$ 82,214	$ 9,256	$ 29,677	$ 68,997	$ 7,902	$ 8,342	$ 19,264	$ 225,652
DEFERRED INFLOWS OF RESOURCES								
Deferred Inflows Relating to Pensions	$ 2,549	$ 569	$ (26)	$ 135	$ 81	$ 246	$ 260	$ 3,814
Deferred Inflows Relating to Other Postemployment Benefit	1,553	90	—	—	176	226	381	2,426
Total Deferred Inflows of Resources	$ 4,102	$ 659	$ (26)	$ 135	$ 257	$ 472	$ 641	$ 6,240
NET POSITION								
Net Investment in Capital Assets	$ 8,891	$ 3,734	$ 72,293	$ —	$ 123	$ 1,999	$ —	$ 87,040
Restricted for:								
Insurance Programs	—	—	—	8,607	—	—	—	8,607
Unrestricted (Deficit)	(25,778)	2,174	(20,791)	(5,308)	2,135	(4,691)	(11,169)	(63,428)
Total Net Position	$ (16,887)	$ 5,908	$ 51,502	$ 3,299	$ 2,258	$ (2,692)	$ (11,169)	$ 32,219

Combining Statement of Revenues, Expenses and Changes in Fund Net Position
Internal Service Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Technology Services	General Services	Fleet Operations	Risk Management	Property Management	Human Resource Management	Attorney General Legal Services	Total
OPERATING REVENUES								
Charges for Services/Premiums	$ 121,036	$ 21,401	$ 64,341	$ 47,951	$ 34,821	$ 14,202	$ 13,289	$ 317,041
Miscellaneous	—	74	246	—	88	—	—	408
Total Operating Revenues	121,036	21,475	64,587	47,951	34,909	14,202	13,289	317,449
OPERATING EXPENSES								
Administration	86,059	4,853	3,317	3,647	10,770	12,381	13,709	134,736
Materials and Services for Resale	5,274	10,818	31,527	23,215	—	—	—	70,834
Grants	—	—	—	285	—	—	—	285
Rentals and Leases	209	107	5,354	16	277	19	—	5,982
Maintenance	461	468	14,071	10	12,402	4	1	27,417
Depreciation/Amortization	4,711	1,558	11,671	7	30	427	—	18,404
Benefit Claims	—	—	—	22,050	—	—	—	22,050
Miscellaneous Other:								
Data Processing	11,798	605	630	532	561	1,789	—	15,915
Supplies	188	88	324	260	184	74	—	1,118
Utilities	8,877	42	163	25	9,145	103	—	18,355
Other	2,480	1,278	2,251	1,117	1,336	228	—	8,690
Total Operating Expenses	120,057	19,817	69,308	51,164	34,705	15,025	13,710	323,786
Operating Income (Loss)	979	1,658	(4,721)	(3,213)	204	(823)	(421)	(6,337)
NONOPERATING REVENUES (EXPENSES)								
Investment Earnings	—	—	—	2,059	38	—	—	2,097
Disposal of Capital Assets	(3)	(8)	186	—	—	—	—	175
Interest Expense	—	(3)	—	—	(12)	—	—	(15)
Refunds Paid to Federal Government	—	(248)	(921)	(838)	(3)	(24)	—	(2,034)
Other Revenues (Expenses)	—	(530)	—	75	—	—	—	(455)
Total Nonoperating Revenues (Expenses)	(3)	(789)	(735)	1,296	23	(24)	0	(232)
Income (Loss) before Capital Contributions and Transfers	976	869	(5,456)	(1,917)	227	(847)	(421)	(6,569)
Capital Contributions	—	—	1,541	—	20	—	—	1,561
Transfers In	1,200	—	1,785	—	—	—	149	3,134
Transfers Out	—	(200)	—	—	—	(58)	—	(258)
Change in Net Position	2,176	669	(2,130)	(1,917)	247	(905)	(272)	(2,132)
Net Position – Beginning	(19,063)	5,239	53,632	5,216	2,011	(1,787)	149	45,397
Adjustment to Beginning Net Position	—	—	—	—	—	—	(11,046)	(11,046)
Net Position – Beginning as Adjusted	(19,063)	5,239	53,632	5,216	2,011	(1,787)	(10,897)	34,351
Net Position – Ending	$ (16,887)	$ 5,908	$ 51,502	$ 3,299	$ 2,258	$ (2,692)	$ (11,169)	$ 32,219

Combining Statement of Cash Flows
Internal Service Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Technology Services	General Services	Fleet Operations	Risk Management	Property Management	Human Resource Management	Attorney General Legal Services	Total
CASH FLOWS FROM OPERATING ACTIVITIES								
Receipts from Customers/Fees/Premiums	$ 827	$ 13,785	$ 18,003	$ 26,529	$ 898	$ 277	$ 865	$ 61,184
Receipts from State Customers	300,449	47,075	45,081	20,817	33,908	13,391	9,049	469,770
Payments to Suppliers/Claims/Grants	(200,645)	(48,960)	(19,021)	(29,657)	(24,003)	—	—	(322,286)
Payments for Employee Services and Benefits	(85,061)	(4,883)	(3,215)	(3,570)	(10,715)	(12,237)	(13,437)	(133,118)
Payments to State Suppliers and Grants	(10,449)	(4,955)	(32,935)	(10,833)	(321)	(2,110)	—	(61,603)
Net Cash Provided (Used) by Operating Activities	5,121	2,062	7,913	3,286	(233)	(679)	(3,523)	13,947
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES								
Borrowings Under Interfund Loans	—	464	8	—	—	—	3,225	3,697
Payments of Bonds, Notes, Deposits, and Refunds	—	—	—	—	(41)	—	—	(41)
Interest Paid on Bonds, Notes, and Financing Costs	—	—	—	—	(11)	—	—	(11)
Transfers In from Other Funds	1,200	—	—	—	—	—	149	1,349
Transfers Out to Other Funds	—	(200)	—	—	—	(58)	—	(258)
Net Cash Provided (Used) by Noncapital Financing Activities	1,200	264	8	0	(52)	(58)	3,374	4,736
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES								
Borrowings Under Interfund Loans	3,810	718	12,416	—	—	—	—	16,944
Repayments Under Interfund Loans	(6,321)	(2,030)	(15,113)	—	—	—	—	(23,464)
Proceeds from Disposition of Capital Assets	—	32	3,822	—	—	—	—	3,854
Federal Grants and Other Revenues	—	—	1,541	—	20	—	—	1,561
Principal Paid on Debt and Contract Maturities	—	(84)	—	—	—	—	—	(84)
Acquisition and Construction of Capital Assets	(3,810)	(865)	(12,416)	—	(84)	(91)	—	(17,266)
Interest Paid on Bonds, Notes, and Capital Leases	—	(1)	—	—	—	—	—	(1)
Transfers In from Other Funds	—	—	1,785	—	—	—	—	1,785
Net Cash Provided (Used) by Capital and Related Financing Activities	(6,321)	(2,230)	(7,965)	0	(64)	(91)	0	(16,671)
CASH FLOWS FROM INVESTING ACTIVITIES								
Receipts of Interest and Dividends from Investments	—	—	—	2,059	38	—	—	2,097
Net Cash Provided (Used) by Investing Activities	0	0	0	2,059	38	0	0	2,097
Net Cash Provided (Used) – All Activities	0	96	(44)	5,345	(311)	(828)	(149)	4,109
Cash and Cash Equivalents – Beginning	0	3,240	146	64,445	6,471	1,408	149	75,859
Cash and Cash Equivalents – Ending	$ 0	$ 3,336	$ 102	$ 69,790	$ 6,160	$ 580	$ 0	$ 79,968

Continues

Combining Statement of Cash Flows
Internal Service Funds
(expressed in thousands)
Continued

For the Fiscal Year Ended June 30, 2019

	Technology Services	General Services	Fleet Operations	Risk Management	Property Management	Human Resource Management	Attorney General Legal Services	Total
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED (USED) BY OPERATING ACTIVITIES								
Operating Income (Loss)	$ 979	$ 1,658	$ (4,721)	$ (3,213)	$ 204	$ (823)	$ (421)	$ (6,337)
Adjustments to Reconcile Operating Income (Loss) to Net Cash Provided (Used) by Operating Activities:								
Depreciation/Amortization Expense	4,711	1,558	11,671	7	30	427	—	18,404
Pension and OPEB Expense Accruals	832	1	60	74	50	135	272	1,424
Miscellaneous Gains, Losses, and Other Items	—	(778)	(921)	(763)	(3)	(24)	—	(2,489)
Net Changes in Assets, Deferred Outflows of Resources, Liabilities, and Deferred Inflows of Resources:								
Accounts Receivable/Due From Other Funds	(8,900)	1,193	(501)	(167)	(103)	(534)	(3,588)	(12,600)
Inventories	(13)	130	2,213	—	—	—	—	2,330
Prepaid Items/Other Assets	(1,649)	(188)	117	(71)	19	83	—	(1,689)
Accrued Liabilities/Due to Other Funds	9,684	(1,749)	997	1,191	(430)	57	214	9,964
Unearned Revenue/Deposits	(523)	237	(1,002)	—	—	—	—	(1,288)
Policy Claims Liabilities	—	—	—	6,228	—	—	—	6,228
Net Cash Provided (Used) by Operating Activities	$ 5,121	$ 2,062	$ 7,913	$ 3,286	$ (233)	$ (679)	$ (3,523)	$ 13,947
SCHEDULE OF NONCASH INVESTING, CAPITAL, AND FINANCING ACTIVITIES								
Increase (Decrease) in Fair Value of Investments	$ —	$ —	$ —	$ 42	$ —	$ —	$ —	$ 42
Total Noncash Investing, Capital, and Financing Activities	$ 0	$ 0	$ 0	$ 42	$ 0	$ 0	$ 0	$ 42

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PENSION AND OTHER EMPLOYEE BENEFIT TRUST FUNDS

Defined Benefit Pension Plans and Defined Contribution Plans
These funds are used to account for the various pension trust funds and defined contribution plans administered by the Utah Retirement Systems. Funding comes from employee and employer contributions and investment earnings. Contributions in some systems are augmented by fees, insurance premium taxes, or legislative appropriations.

Post-Retirement Benefits Trust Funds
The State administers the State Employee and the Elected Official Other Postemployment Benefit Plans as irrevocable trusts. These trust funds account for the assets accumulated and the payments made for other postemployment benefits provided to current and future state employee and elected official retirees. Funding comes from employer contributions and investment earnings.

Other Employee Benefits Trust Funds
These trust funds are used to pay other employee benefits upon retirement or termination.

PRIVATE PURPOSE TRUST FUNDS

Utah Navajo Trust
This fund receives oil royalties, operating, and other trust revenues. Funds received are used for the health, education, and general welfare of Navajo residents of San Juan County, Utah.

Unclaimed Property Trust
This fund is used to account for unclaimed property escheated to the State. Proceeds of the fund pay the administrative costs to operate the fund and any claims. The remaining proceeds are deposited in the Education Fund and can only be used to help fund public education.

Employers' Reinsurance Trust
This fund primarily provides compensation to individuals injured from industrial accidents or occupational diseases occurring on or before June 30, 1994, where the injury is of a permanent nature and workers' compensation benefits have expired. Revenues come from assessments on insurance premiums and court-ordered penalties. The net position of the fund is held in trust for injured workers and cannot be used for any other purpose.

Petroleum Storage Tank Trust
This fund is used to pay the costs of damage caused by petroleum storage tank releases and provide revolving loan capital. Sources of funding include fees from participating companies, recovered costs and settlements from responsible parties, and investment income. The net position of this fund is held in trust for the benefit of participants and cannot be used for any other purpose.

Utah Educational Savings Plan Trust (dba My529)
This fund was created as a means to encourage investment in a public trust to pay for future higher education costs. Participant contributions are used to pay for future college expenses.

Miscellaneous Restricted Trust
This is made up of various small individual funds created to receive and disburse funds in accordance with applicable laws and trust agreements.

AGENCY FUNDS

Taxes and Social Security
This fund is used to account for federal withholding and social security taxes on the State's payroll.

County and Local Collections
This fund receives and disburses various taxes collected by the State on behalf of county and local governments.

State Courts
This fund receives and disburses various fines and forfeitures collected by the state courts on behalf of state and local agencies.

Deposits, Suspense, and Miscellaneous
This fund is made up of small individual funds established to account for various receipts and disbursements.

Combining Statement of Fiduciary Net Position
Pension and Other Employee Benefits Trust Funds
(expressed in thousands)

June 30, 2019

	Pension Trust			
	Non-Contributory System	Contributory System	Public Safety System	Firefighters System
ASSETS				
Cash and Cash Equivalents	$ 1,229,259	$ 58,549	$ 175,994	$ 60,256
Receivables:				
Member Contributions	—	94	8	675
Employer Contributions	42,975	274	5,278	274
Court Fees and Fire Insurance Premiums	—	—	—	747
Investments	482,626	22,973	69,048	23,642
Total Receivables	525,601	23,341	74,334	25,338
Investments:				
Debt Securities	4,192,709	199,572	599,837	205,383
Equity Investments	8,685,749	413,440	1,242,643	425,480
Absolute Return	3,628,762	172,728	519,156	177,758
Private Equity	2,889,312	137,531	413,362	141,536
Real Assets	4,108,426	195,560	587,778	201,256
Invested Securities Lending Collateral	834,951	39,744	119,453	40,901
Total Investments	24,339,909	1,158,575	3,482,229	1,192,314
Capital Assets:				
Land	1,405	67	201	69
Buildings and Improvements	15,995	763	2,289	780
Machinery and Equipment	2,469	118	353	120
Intangible Assets	5,220	249	747	255
Less Accumulated Depreciation	(21,400)	(1,021)	(3,062)	(1,044)
Total Capital Assets	3,689	176	528	180
Total Assets	$ 26,098,458	$ 1,240,641	$ 3,733,085	$ 1,278,088
LIABILITIES				
Accounts Payable	$ 486,062	$ 23,166	$ 69,629	$ 23,841
Securities Lending Liability	834,951	39,744	119,453	40,901
Leave/Postemployment Benefits	12,885	614	1,843	631
Insurance Reserves	3,805	181	544	187
Real Estate Liabilities	94,696	4,507	13,547	4,639
Total Liabilities	$ 1,432,399	$ 68,212	$ 205,016	$ 70,199
NET POSITION				
Restricted for:				
Pension Benefits	$ 24,666,059	$ 1,172,429	$ 3,528,069	$ 1,207,889
Other Postemployment Benefits	—	—	—	—
Other Employee Benefits	—	—	—	—
Defined Contribution	—	—	—	—
Total Net Position	$ 24,666,059	$ 1,172,429	$ 3,528,069	$ 1,207,889

Pension Trust				Defined Contributions Plans		
Judges System	Governors and Legislative Pension Plan	Tier 2 Public Employees	Tier 2 Public Safety and Firefighters	401(k) Plan	457(b) Plan	IRA Plans
$ 9,750	$ 527	$ 20,937	$ 2,687	$ 10,812	$ 377	$ 1,065
—	—	—	—	—	—	—
324	—	5,547	598	—	—	—
100	—	—	—	—	—	—
3,825	207	8,214	1,053	85,580	10,098	—
4,249	207	13,761	1,651	85,580	10,098	0
33,228	1,794	71,359	9,150	1,710,943	180,850	102,750
68,836	3,716	147,831	18,955	2,837,348	331,403	136,223
28,759	1,553	61,761	7,919	—	—	—
22,898	1,236	49,176	6,305	—	—	—
32,560	1,758	69,925	8,966	198,016	21,616	11,752
6,617	357	14,211	1,822	—	—	—
192,898	10,414	414,263	53,117	4,746,307	533,869	250,725
11	1	24	3	—	—	—
126	9	273	35	—	—	—
19	1	42	5	—	—	—
41	3	89	11	—	—	—
(168)	(12)	(365)	(46)	—	—	—
29	2	63	8	0	0	0
$ 206,926	$ 11,150	$ 449,024	$ 57,463	$ 4,842,699	$ 544,344	$ 251,790
$ 3,857	$ 208	$ 8,284	$ 1,062	$ 8,616	$ 187	$ 94
6,617	357	14,211	1,822	—	—	—
102	5	219	28	—	—	—
30	2	65	8	—	—	—
750	41	1,612	207	—	—	—
$ 11,356	$ 613	$ 24,391	$ 3,127	$ 8,616	$ 187	$ 94
$ 195,570	$ 10,537	$ 424,633	$ 54,336	$ —	$ —	$ —
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	4,834,083	544,157	251,696
$ 195,570	$ 10,537	$ 424,633	$ 54,336	$ 4,834,083	$ 544,157	$ 251,696

Continues

Combining Statement of Fiduciary Net Position
Pension and Other Employee Benefits Trust Funds
(expressed in thousands)
Continued

June 30, 2019

	Post-Retirement Benefits Trust		Other Employee Benefits Trust		
	State Employee	Elected Official	Other Employee Benefits	Annual Leave	Total
ASSETS					
Cash and Cash Equivalents	$ 224	$ 0	$ 4	$ 2	$ 1,570,443
Receivables:					
Member Contributions	—	—	—	—	777
Employer Contributions	1,050	—	920	527	57,767
Court Fees and Fire Insurance Premiums	—	—	—	—	847
Investments	—	—	—	—	707,266
Total Receivables	1,050	0	920	527	766,657
Investments:					
Debt Securities	263,573	7,220	37,719	7,323	7,623,410
Equity Investments	—	8,648	—	—	14,320,272
Absolute Return	—	—	—	—	4,598,396
Private Equity	—	—	—	—	3,661,356
Real Assets	7,070	403	—	—	5,445,086
Invested Securities Lending Collateral	—	—	—	—	1,058,056
Total Investments	270,643	16,271	37,719	7,323	36,706,576
Capital Assets:					
Land	—	—	—	—	1,781
Buildings and Improvements	—	—	—	—	20,270
Machinery and Equipment	—	—	—	—	3,127
Intangible Assets	—	—	—	—	6,615
Less Accumulated Depreciation	—	—	—	—	(27,118)
Total Capital Assets	0	0	0	0	4,675
Total Assets	$ 271,917	$ 16,271	$ 38,643	$ 7,852	$ 39,048,351
LIABILITIES					
Accounts Payable	$ —	$ —	$ —	$ —	$ 625,006
Securities Lending Liability	—	—	—	—	1,058,056
Leave/Postemployment Benefits	61	405	329	368	17,490
Insurance Reserves	—	—	—	—	4,822
Real Estate Liabilities	—	—	—	—	119,999
Total Liabilities	$ 61	$ 405	$ 329	$ 368	$ 1,825,373
NET POSITION					
Restricted for:					
Pension Benefits	$ —	$ —	$ —	$ —	$ 31,259,522
Other Postemployment Benefits	271,856	15,866	—	—	287,722
Other Employee Benefits	—	—	38,314	7,484	45,798
Defined Contribution	—	—	—	—	5,629,936
Total Net Position	$ 271,856	$ 15,866	$ 38,314	$ 7,484	$ 37,222,978

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Combining Statement of Changes in Fiduciary Net Position
Pension and Other Employee Benefit Trust Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Pension Trust			
	Non-Contributory System	Contributory System	Public Safety System	Firefighters System
ADDITIONS				
Contributions:				
Member	$ 14,602	$ 2,455	$ 895	$ 18,305
Employer	858,444	6,027	147,101	7,021
Court Fees and Fire Insurance Premiums	—	—	—	8,747
Total Contributions	873,046	8,482	147,996	34,073
Investment Income:				
Net Increase (Decrease) in Fair Value of Investments	(589,575)	(28,859)	(83,966)	(28,833)
Interest, Dividends, and Other Investment Income	541,933	26,527	77,181	26,503
Total Income From Investment Activity	(47,642)	(2,332)	(6,785)	(2,330)
Less Investment Expenses	(50,182)	(2,456)	(7,147)	(2,454)
Net Income from Investment Activity	(97,824)	(4,788)	(13,932)	(4,784)
Income from Security Lending Activity	6,456	316	918	316
Less Security Lending Expenses	(839)	(41)	(120)	(41)
Net Income from Security Lending Activity	5,617	275	798	275
Net Investment Income	(92,207)	(4,513)	(13,134)	(4,509)
Transfers From Affiliated Systems	13,035	—	6,982	1,917
Other	—	—	—	—
Total Additions	793,874	3,969	141,844	31,481
DEDUCTIONS				
Retirement Benefits	1,125,160	74,106	157,682	46,547
Cost of Living Benefits	195,054	12,638	30,517	10,700
Supplemental Retirement Benefits	—	51	215	193
Retiree Healthcare Benefits	—	—	—	—
Refunds/Plan Distributions	2,766	1,471	428	132
Administrative Expenses	9,962	454	1,450	427
Transfers To Affiliated Systems	—	26,286	—	—
Total Deductions	1,332,942	115,006	190,292	57,999
Change in Net Position Restricted for:				
Pension Benefits	(539,068)	(111,037)	(48,448)	(26,518)
Other Postemployment Benefits	—	—	—	—
Other Employee Benefits	—	—	—	—
Defined Contribution	—	—	—	—
Net Position – Beginning	25,205,127	1,283,466	3,576,517	1,234,407
Net Position – Ending	$ 24,666,059	$ 1,172,429	$ 3,528,069	$ 1,207,889

Pension Trust				Defined Contribution Plans		
Judges System	Governors and Legislative Pension Plan	Tier 2 Public Employees	Tier 2 Public Safety and Firefighters	401(k) Plan	457(b) Plan	IRA Plans
$ —	$ —	$ —	$ 55	$ 317,548	$ 32,589	$ 55,388
8,091	392	97,680	14,295	—	—	—
1,518	—	—	—	—	—	—
9,609	392	97,680	14,350	317,548	32,589	55,388
(4,660)	(262)	(8,842)	(1,106)	(201,890)	(24,176)	(9,407)
4,283	240	8,049	1,009	4,022	465	—
(377)	(22)	(793)	(97)	(197,868)	(23,711)	(9,407)
(397)	(22)	(745)	(93)	(4,530)	(501)	(233)
(774)	(44)	(1,538)	(190)	(202,398)	(24,212)	(9,640)
51	3	96	12	—	—	—
(7)	—	(12)	(2)	—	—	—
44	3	84	10	—	—	—
(730)	(41)	(1,454)	(180)	(202,398)	(24,212)	(9,640)
4,403	—	—	—	—	—	—
—	—	—	—	—	—	—
13,282	351	96,226	14,170	115,150	8,377	45,748
13,805	814	691	—	—	—	—
2,306	164	1	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	276,023	32,709	15,383
84	5	119	14	7,952	901	375
—	51	—	—	—	—	—
16,195	1,034	811	14	283,975	33,610	15,758
(2,913)	(683)	95,415	14,156	—	—	—
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	—	—	—	(168,825)	(25,233)	29,990
198,483	11,220	329,218	40,180	5,002,908	569,390	221,706
$ 195,570	$ 10,537	$ 424,633	$ 54,336	$ 4,834,083	$ 544,157	$ 251,696

Continues

Combining Statement of Changes in Fiduciary Net Position
Pension and Other Employee Benefit Trust Funds
(expressed in thousands)
Continued

For the Fiscal Year Ended June 30, 2019

	Post-Retirement Benefits Trust		Other Employee Benefits Trust		
	State Employee	Elected Official	Other Employee Benefits	Annual Leave	Total
ADDITIONS					
Contributions:					
Member	$ —	$ —	$ —	$ —	$ 441,837
Employer	26,514	1,388	23,238	13,315	1,203,506
Court Fees and Fire Insurance Premiums	—	—	—	—	10,265
Total Contributions	26,514	1,388	23,238	13,315	1,655,608
Investment Income:					
Net Increase (Decrease) in Fair Value of Investments	11,451	1,155	761	—	(968,209)
Interest, Dividends, and Other Investment Income	12,631	133	719	128	703,823
Total Income From Investment Activity	24,082	1,288	1,480	128	(264,386)
Less Investment Expenses	—	—	—	—	(68,760)
Net Income from Investment Activity	24,082	1,288	1,480	128	(333,146)
Income from Security Lending Activity	—	—	—	—	8,168
Less Security Lending Expenses	—	—	—	—	(1,062)
Net Income from Security Lending Activity	0	0	0	0	7,106
Net Investment Income	24,082	1,288	1,480	128	(326,040)
Transfers From Affiliated Systems	356	—	—	—	26,693
Total Additions	50,952	2,676	24,718	13,443	1,356,261
DEDUCTIONS					
Retirement Benefits	—	—	—	—	1,418,805
Cost of Living Benefits	—	—	—	—	251,380
Supplemental Retirement Benefits	—	—	—	—	459
Retiree Healthcare Benefits	30,560	412	—	—	30,972
Refunds/Plan Distributions	—	—	11,869	8,104	348,885
Administrative Expenses	—	—	—	—	21,743
Transfers To Affiliated Systems	—	—	356	—	26,693
Total Deductions	30,560	412	12,225	8,104	2,098,937
Change in Net Position Restricted for:					
Pension Benefits	—	—	—	—	(619,096)
Other Postemployment Benefits	20,392	2,264	—	—	22,656
Other Employee Benefits	—	—	12,493	5,339	17,832
Defined Contribution	—	—	—	—	(164,068)
Net Position – Beginning	251,464	13,602	25,821	2,145	37,965,654
Net Position – Ending	$ 271,856	$ 15,866	$ 38,314	$ 7,484	$37,222,978

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Combining Statement of Fiduciary Net Position
Private Purpose Trust Funds
(expressed in thousands)

June 30, 2019

	Utah Navajo Trust	Unclaimed Property Trust	Employers' Reinsurance Trust	Petroleum Storage Tank Trust	Utah Educational Savings Plan Trust	Miscellaneous Restricted Trust	Total
ASSETS							
Cash and Cash Equivalents	$ 1,506	$ —	$ 594	$ 601	$ 3,676	$ 3,792	$ 10,169
Receivables:							
Accounts	—	—	6,075	57	21	281	6,434
Accrued Interest	—	—	—	—	—	—	—
Accrued Assessments	—	—	2,939	—	—	—	2,939
Loans	36	—	—	1,133	—	—	1,169
Due From Other Funds	182	—	—	—	—	—	182
Investments:							
Debt Securities	66,691	95,304	189,742	16,459	3,051,055	7,182	3,426,433
Equity Investments	5,796	—	12,928	—	11,177,593	—	11,196,317
Total Investments	72,487	95,304	202,670	16,459	14,228,648	7,182	14,622,750
Other Assets	197	12,200	—	—	—	—	12,397
Capital Assets:							
Land	270	—	—	—	—	—	270
Buildings and Improvements	10,715	—	—	—	—	—	10,715
Machinery and Equipment	310	—	—	—	2,545	10	2,865
Intangible Assets	11	—	—	—	—	—	11
Less Accumulated Depreciation	(5,093)	—	—	—	(1,854)	(2)	(6,949)
Total Capital Assets	6,213	0	0	0	691	8	6,912
Total Assets	$ 80,621	$ 107,504	$ 212,278	$ 18,250	$ 14,233,036	$ 11,263	$ 14,662,952
DEFERRED OUTFLOWS OF RESOURCES							
Deferred Outflows Relating to Pensions	$ 0	$ 0	$ 0	$ 0	$ 578	$ 0	$ 578
LIABILITIES							
Accounts Payable	$ 85	$ 56	$ 357	$ 105	$ 1,194	$ 104	$ 1,901
Due To Other Funds	56	—	19	—	—	—	75
Unearned Revenue	—	—	—	376	—	—	376
Policy Claims Liabilities	—	—	198,969	26,118	—	—	225,087
Net Pension Obligation	—	—	—	—	1,007	—	1,007
Total Liabilities	$ 141	$ 56	$ 199,345	$ 26,599	$ 2,201	$ 104	$ 228,446
DEFERRED INFLOWS OF RESOURCES							
Deferred Inflows Relating to Pensions	$ 0	$ 0	$ 0	$ 0	$ 318	$ 0	$ 318
NET POSITION							
Restricted for:							
Individuals, Organizations, and Other Governments	$ 80,480	$ 107,448	$ 12,933	$ (8,349)	$ 14,231,095	$ 11,159	$ 14,434,766
Total Net Position	$ 80,480	$ 107,448	$ 12,933	$ (8,349)	$ 14,231,095	$ 11,159	$ 14,434,766

Combining Statement of Changes in Fiduciary Net Position
Private Purpose Trust Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Utah Navajo Trust	Unclaimed Property Trust	Employers' Reinsurance Trust	Petroleum Storage Tank Trust	Utah Educational Savings Plan Trust	Miscellaneous Restricted Trust	Total
ADDITIONS							
Contributions:							
Member	$ —	$ —	$ —	$ —	$ 1,320,797	$ 7,273	$ 1,328,070
Total Contributions	0	0	0	0	1,320,797	7,273	1,328,070
Investment Income:							
Net Increase (Decrease) in Fair Value of Investments	2,426	102	15,706	—	433,656	—	451,890
Interest, Dividends, and Other Investment Income	1,248	3,032	2,406	466	401,995	188	409,335
Total Income From Investment Activity	3,674	3,134	18,112	466	835,651	188	861,225
Other Additions:							
Escheats	—	44,465	—	—	—	—	44,465
Royalties and Rents	4,177	—	—	—	—	—	4,177
Fees, Assessments, and Revenues	1,585	—	17,721	6,735	—	23,154	49,195
Court Settlement / Miscellaneous	—	—	—	84	—	5,201	5,285
Total Other	5,762	44,465	17,721	6,819	0	28,355	103,122
Total Additions	9,436	47,599	35,833	7,285	2,156,448	35,816	2,292,417
DEDUCTIONS							
Trust Operating Expenses	1,988	—	—	—	—	27,155	29,143
Distributions and Benefit Payments	481	27,488	23,201	—	626,212	7,001	684,383
Administrative and General Expenses	1,391	3,556	3,772	6,610	13,355	848	29,532
Total Deductions	3,860	31,044	26,973	6,610	639,567	35,004	743,058
Change in Net Position Restricted for:							
Individuals, Organizations, and Other Governments	5,576	16,555	8,860	675	1,516,881	812	1,549,359
Net Position – Beginning	74,904	90,893	4,073	(9,024)	12,714,214	10,347	12,885,407
Net Position – Ending	$ 80,480	$ 107,448	$ 12,933	$ (8,349)	$ 14,231,095	$ 11,159	$ 14,434,766

Combining Statement of Fiduciary Assets and Liabilities

Agency Funds

(expressed in thousands)

June 30, 2019

	Taxes and Social Security	Country and Local Collections	State Courts	Deposits, Suspense, and Miscellaneous	Total
ASSETS					
Cash and Cash Equivalents	$ 39	$ 148,606	$ 6,706	$ 25,655	$ 181,006
Accounts Receivable	—	—	—	20,048	20,048
Due From Other Funds	—	—	—	123	123
Investments:					
Debt Securities	—	117	—	3,192	3,309
Other Assets	—	—	37,791	16,330	54,121
Total Assets	$ 39	$ 148,723	$ 44,497	$ 65,348	$ 258,607
LIABILITIES					
Due To Individuals, Organizations, and Other Governments	$ 39	$ 148,723	$ 44,497	$ 65,348	$ 258,607
Total Liabilities	$ 39	$ 148,723	$ 44,497	$ 65,348	$ 258,607

Combining Statement of Changes in Assets and Liabilities
Agency Funds
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Balance June 30, 2018	Additions	Deletions	Balance June 30, 2019
TAXES AND SOCIAL SECURITY				
Assets				
Cash and Cash Equivalents	$ 5	$ 267,399	$ 267,365	$ 39
Total Assets	$ 5	$ 267,399	$ 267,365	$ 39
Liabilities				
Due To Individuals, Organizations, and Other Governments	$ 5	$ 267,433	$ 267,399	$ 39
Total Liabilities	$ 5	$ 267,433	$ 267,399	$ 39
COUNTY AND LOCAL COLLECTIONS				
Assets				
Cash and Cash Equivalents	$ 142,820	$ 2,019,290	$ 2,013,504	$ 148,606
Investments	39	3,104	3,026	117
Total Assets	$ 142,859	$ 2,022,394	$ 2,016,530	$ 148,723
Liabilities				
Due To Individuals, Organizations, and Other Governments	$ 142,859	$ 2,037,275	$ 2,031,411	$ 148,723
Total Liabilities	$ 142,859	$ 2,037,275	$ 2,031,411	$ 148,723
STATE COURTS				
Assets				
Cash and Cash Equivalents	$ 818	$ 22,422	$ 16,534	$ 6,706
Other Assets	43,860	103,515	109,584	37,791
Total Assets	$ 44,678	$ 125,937	$ 126,118	$ 44,497
Liabilities				
Due To Individuals, Organizations, and Other Governments	$ 44,678	$ 125,943	$ 126,124	$ 44,497
Total Liabilities	$ 44,678	$ 125,943	$ 126,124	$ 44,497
DEPOSITS, SUSPENSE, AND MISCELLANEOUS				
Assets				
Cash and Cash Equivalents	$ 32,743	$ 517,311	$ 524,399	$ 25,655
Investments	3,069	1,204	1,081	3,192
Receivables:				
Accounts Receivable	18,864	2,334	1,150	20,048
Due From Other Funds	152	123	152	123
Other Assets	15,930	400	—	16,330
Total Assets	$ 70,758	$ 521,372	$ 526,782	$ 65,348
Liabilities				
Due To Individuals, Organizations, and Other Governments	$ 70,758	$ 511,511	$ 516,921	$ 65,348
Total Liabilities	$ 70,758	$ 511,511	$ 516,921	$ 65,348
TOTAL — ALL AGENCY FUNDS				
Assets				
Cash and Cash Equivalents	$ 176,386	$ 2,826,422	$ 2,821,802	$ 181,006
Investments	3,108	4,308	4,107	3,309
Receivables:				
Accounts Receivable	18,864	2,334	1,150	20,048
Due From Other Funds	152	123	152	123
Other Assets	59,790	103,915	109,584	54,121
Total Assets	$ 258,300	$ 2,937,102	$ 2,936,795	$ 258,607
Liabilities				
Due To Individuals, Organizations, and Other Governments	$ 258,300	$ 2,942,162	$ 2,941,855	$ 258,607
Total Liabilities	$ 258,300	$ 2,942,162	$ 2,941,855	$ 258,607

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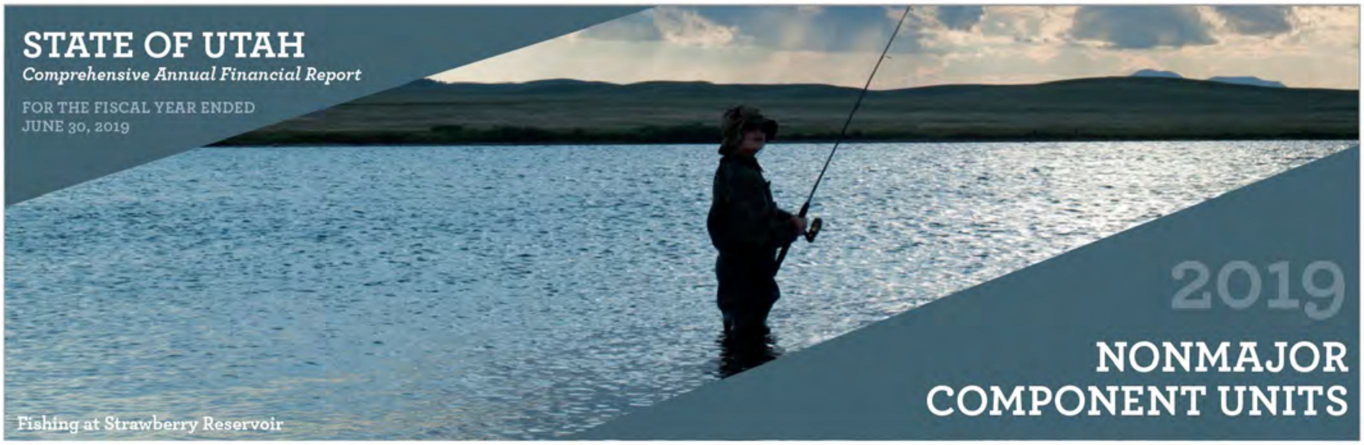

Utah Communications Authority

The Utah Communications Authority (UCA) provides public safety communications services and facilities on a statewide basis for the benefit and use of state, local, and federal agencies. UCA supports statewide interoperability of emergency communications throughout the State, and manages the 911 funds collected by the State for the benefit of the Public Safety Answering Points within the State. UCA operations are funded through service charges supplemented with federal grants and state fees and appropriations.

Utah Schools for the Deaf and the Blind

The Schools were created to provide education to individuals with hearing and/or vision impairments, through direct and indirect education services, as well as consultation to their families and service providers.

Military Installation Development Authority

This Authority is an independent, nonprofit entity whose purpose is to provide for the development and improvement of project areas near military installations throughout the State. Operations are funded through service charges, project revenue, and state appropriations.

Heber Valley Historic Railroad Authority

This Authority was created to operate, maintain, improve, and provide for a scenic and historic railway in and around the Heber Valley in Wasatch County. Operations are funded primarily through user charges.

Utah State Fair Corporation

This Corporation was created to operate the State Fair Park and conduct the Utah State Fair and other expositions and entertainment events. Operations are funded by admissions, rentals, donations, and state appropriations.

Utah Inland Port Authority

This Authority is an independent, nonprofit corporation whose purpose is to facilitate the development of the authority jurisdictional land to maximize the long-term economic and other benefits for the State. Operations are funded through state appropriations.

Colleges and Universities

The colleges and universities are the State's public institutions of higher education. The nonmajor institutions of higher education are:

Weber State University | *Southern Utah University* | *Salt Lake Community College* | *Utah Valley University* |
Dixie State University | *Snow College* | *Utah System of Technical Colleges*

Combining Statement of Net Position
Nonmajor Component Units
(expressed in thousands)

June 30, 2019

	Utah Communications Authority	Utah Schools for the Deaf and the Blind	Military Installation Development Authority	Heber Valley Historic Railroad Authority	Utah State Fair Corporation
ASSETS					
Current Assets:					
Cash and Cash Equivalents	$ 212	$ 5,738	$ 2,529	$ 99	$ 2,840
Investments	27,625	—	—	—	—
Receivables:					
Accounts, net	439	531	224	5	61
Notes/Loans/Mortgages/Pledges, net	—	—	—	—	—
Accrued Interest	—	—	—	—	—
Due From Primary Government	—	320	—	—	—
Prepaid Items	55	—	—	—	139
Inventories	168	—	—	9	—
Other Assets	—	—	—	—	—
Total Current Assets	28,499	6,589	2,753	113	3,040
Noncurrent Assets:					
Restricted Investments	—	—	4,632	—	—
Accounts Receivables, net	—	—	—	—	—
Investments	—	—	—	—	—
Notes/Loans/Mortgages/Pledges Receivables, net	—	—	—	—	—
Other Assets	142	—	—	—	—
Capital Assets (net of Accumulated Depreciation)	12,889	26,726	6,981	3,415	1,040
Total Noncurrent Assets	13,031	26,726	11,613	3,415	1,040
Total Assets	$ 41,530	$ 33,315	$ 14,366	$ 3,528	$ 4,080
DEFERRED OUTFLOWS OF RESOURCES					
Deferred Amount on Refundings of Bonded Debt	$ —	$ —	$ —	$ —	$ —
Deferred Outflows Relating to Pensions	1,189	5,626	93	139	235
Deferred Outflows Relating to Other Postemployment Benefit	—	365	—	—	—
Total Deferred Outflows of Resources	$ 1,189	$ 5,991	$ 93	$ 139	$ 235
LIABILITIES					
Current Liabilities:					
Accounts Payable and Accrued Liabilities	$ 1,665	$ 1,327	$ 1,840	$ 28	$ 250
Deposits	—	—	—	—	—
Due To Primary Government	—	169	—	1	10
Unearned Revenue	321	—	3,478	—	45
Current Portion of Long-term Liabilities	346	—	122	104	—
Total Current Liabilities	2,332	1,496	5,440	133	305
Noncurrent Liabilities:					
Accounts Payable and Accrued Liabilities	—	—	—	—	—
Unearned Revenue	10	—	—	—	—
Net Pension Liability	1,717	12,663	122	195	397
Net Other Postemployment Benefit Liability	—	645	—	—	—
Long-term Liabilities	1,069	—	2,555	473	—
Total Noncurrent Liabilities	2,796	13,308	2,677	668	397
Total Liabilities	$ 5,128	$ 14,804	$ 8,117	$ 801	$ 702
DEFERRED INFLOWS OF RESOURCES					
Deferred Inflows Relating to Beneficial Interests	$ —	$ —	$ —	$ —	$ —
Deferred Amount on Refundings of Bonded Debt	—	—	—	—	—
Deferred Inflows Relating to Pensions	544	373	79	97	132
Deferred Inflows Relating to Other Postemployment Benefit	—	418	—	—	—
Total Deferred Inflows of Resources	$ 544	$ 791	$ 79	$ 97	$ 132
NET POSITION					
Net Investment in Capital Assets	$ 12,247	$ 26,726	$ 4,379	$ 2,831	$ 1,040
Restricted for:					
Nonexpendable:					
Higher Education	—	—	—	—	—
Expendable:					
Higher Education	—	—	—	—	—
Other	5,154	—	399	—	6
Unrestricted (Deficit)	19,646	(3,015)	1,485	(62)	2,435
Total Net Position	$ 37,047	$ 23,711	$ 6,263	$ 2,769	$ 3,481

Utah Inland Port Authority	Weber State University	Southern Utah University	Salt Lake Community College	Utah Valley University	Dixie State University	Snow College	Utah System of Technical Colleges	Total Nonmajor Component Units
$ 1,402	$ 46,733	$ 11,584	$ 37,286	$ 103,186	$ 22,197	$ 6,458	$ 30,763	$ 271,027
—	12,599	16,946	35,854	53,512	8,147	4,162	1,957	160,802
—	9,527	7,008	7,392	6,192	4,047	907	3,576	39,909
—	1,608	447	299	2,384	—	—	38	4,776
—	245	—	—	—	—	—	—	245
—	—	—	—	—	—	—	—	320
—	1,134	4,536	2,084	2,063	211	173	240	10,635
—	2,494	756	993	3,463	615	156	2,014	10,668
—	437	—	29	—	—	—	—	466
1,402	74,777	41,277	83,937	170,800	35,217	11,856	38,588	498,848
—	18,704	1,651	15,781	4,017	16,541	160	2,387	63,873
—	4,122	—	1,099	5,454	3,345	—	—	14,020
—	208,732	63,192	87,752	80,931	28,330	15,032	837	484,806
—	6,628	11,393	197	24,507	—	—	500	43,225
—	9,052	846	—	1,935	—	—	—	11,975
—	391,991	163,531	255,564	447,291	165,141	111,175	223,566	1,809,310
0	639,229	240,613	360,393	564,135	213,357	126,367	227,290	2,427,209
$ 1,402	$ 714,006	$ 281,890	$ 444,330	$ 734,935	$ 248,574	$ 138,223	$ 265,878	$ 2,926,057
$ —	$ 536	$ —	$ —	$ 90	$ —	$ —	$ —	$ 626
—	7,809	5,901	9,178	11,020	2,410	2,032	9,541	55,173
—	—	—	—	—	—	—	—	365
$ 0	$ 8,345	$ 5,901	$ 9,178	$ 11,110	$ 2,410	$ 2,032	$ 9,541	$ 56,164
$ —	$ 3,509	$ 8,113	$ 11,667	$ 20,806	$ 1,368	$ 925	$ 5,029	$ 56,527
—	—	866	515	768	561	649	67	3,426
—	3,783	84	911	2,516	5,234	1,447	223	14,378
—	8,651	7,401	7,179	9,245	1,500	392	1,566	39,778
—	6,591	5,709	6,913	6,578	3,190	1,248	2,513	33,314
0	22,534	22,173	27,185	39,913	11,853	4,661	9,398	147,423
—	—	—	1,063	—	—	29	—	1,092
—	—	—	—	505	—	—	—	515
—	20,866	14,868	22,295	28,963	4,227	3,405	15,549	125,267
—	—	—	—	—	—	—	—	645
—	48,378	20,389	14,305	46,018	49,249	14,522	26,089	223,047
0	69,244	35,257	37,663	75,486	53,476	17,956	41,638	350,566
$ 0	$ 91,778	$ 57,430	$ 64,848	$ 115,399	$ 65,329	$ 22,617	$ 51,036	$ 497,989
$ —	$ 8,961	$ 477	$ —	$ —	$ —	$ —	$ —	$ 9,438
—	—	—	—	—	—	—	—	—
—	963	276	1,162	1,487	2,499	1,841	8,365	17,818
—	—	—	—	—	—	—	—	418
$ 0	$ 9,924	$ 753	$ 1,162	$ 1,487	$ 2,499	$ 1,841	$ 8,365	$ 27,674
$ —	$ 345,235	$ 138,497	$ 254,635	$ 398,206	$ 130,207	$ 96,288	$ 198,356	$ 1,608,647
—	110,974	23,705	7,994	39,786	21,876	5,839	1,963	212,137
—	68,673	35,653	12,841	64,708	19,595	4,062	2,761	208,293
—	—	—	—	—	—	1,204	1,059	7,822
1,402	95,767	31,753	112,028	126,459	11,478	8,404	11,879	419,659
$ 1,402	$ 620,649	$ 229,608	$ 387,498	$ 629,159	$ 183,156	$ 115,797	$ 216,018	$ 2,456,558

Combining Statement of Activities
Nonmajor Component Units
(expressed in thousands)

For the Fiscal Year Ended June 30, 2019

	Utah Communications Authority	Utah Schools for the Deaf and the Blind	Military Installation Development Authority	Heber Valley Historic Railroad Authority	Utah State Fair Corporation
Expenses	$ 33,907	$ 40,856	$ 18,345	$ 1,961	$ 5,400
Program Revenues:					
Charges for Services:					
Tuition and Fees	—	—	—	—	—
Scholarship Allowances	—	—	—	—	—
Sales, Services, and Other Revenues	459	7,227	16,663	2,225	5,646
Operating Grants and Contributions	164	1,224	—	44	—
Capital Grants and Contributions	—	—	—	—	—
Total Program Revenues	623	8,451	16,663	2,269	5,646
Net (Expenses) Revenues	(33,284)	(32,405)	(1,682)	308	246
General Revenues:					
State Appropriations	35,357	30,902	—	—	300
Unrestricted Investment Income	438	27	24	—	43
Gain (Loss) on Sale of Capital Assets	—	—	1	—	—
Miscellaneous	10	—	5,162	—	—
Permanent Endowments Contributions	—	—	—	—	—
Total General Revenues and Contributions	35,805	30,929	5,187	0	343
Change in Net Position	2,521	(1,476)	3,505	308	589
Net Position – Beginning	34,526	25,187	2,758	2,461	2,892
Net Position – Ending	$ 37,047	$ 23,711	$ 6,263	$ 2,769	$ 3,481

Utah Inland Port Authority	Weber State University	Southern Utah University	Salt Lake Community College	Utah Valley University	Dixie State University	Snow College	Utah System of Technical Colleges	Total Nonmajor Component Units
$ 573	$ 255,529	$ 170,421	$ 207,300	$ 335,620	$ 120,255	$ 57,157	$ 131,699	$ 1,379,023
—	125,293	93,834	78,550	202,749	57,769	16,465	15,018	589,678
—	(39,471)	(32,347)	(19,183)	(54,576)	(14,344)	(6,789)	(3,640)	(170,350)
—	25,856	25,037	15,835	28,801	8,823	(1,416)	5,544	140,700
—	65,075	33,991	41,509	92,579	22,858	1,614	20,587	279,645
—	34,070	14,926	2,754	31,215	1,293	11,350	12,203	107,811
0	210,823	135,441	119,465	300,768	76,399	21,224	49,712	947,484
(573)	(44,706)	(34,980)	(87,835)	(34,852)	(43,856)	(35,933)	(81,987)	(431,539)
1,975	90,744	42,661	103,056	117,271	39,813	33,611	83,781	579,471
—	—	—	—	—	—	—	—	532
—	—	—	—	—	—	—	121	122
—	—	—	—	—	—	186	—	5,358
—	3,874	388	638	—	132	—	40	5,072
1,975	94,618	43,049	103,694	117,271	39,945	33,797	83,942	590,555
1,402	49,912	8,069	15,859	82,419	(3,911)	(2,136)	1,955	159,016
—	570,737	221,539	371,639	546,740	187,067	117,933	214,063	2,297,542
$ 1,402	$ 620,649	$ 229,608	$ 387,498	$ 629,159	$ 183,156	$ 115,797	$ 216,018	$ 2,456,558

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STATISTICAL SECTION

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STATISTICAL SECTION

Fiscal Year Ended June 30, 2019

This section of the State of Utah's Comprehensive Annual Financial Report presents detailed information as a context for understanding what the information in the financial statements, notes to the financial statements, and required supplementary information says about the State's overall financial health.

Financial Trends Information
These schedules present trend information to help the reader understand how the State's financial performance and fiscal health have changed over time.

Revenue Capacity Information
These schedules contain information to help the reader understand the State's capacity to raise revenues and the sources of those revenues.

Debt Capacity Information
These schedules present information to help the reader understand and assess the State's levels of outstanding debt and the State's ability to issue additional debt in the future.

Demographic and Economic Information
These schedules contain demographic and economic indicators to help the reader understand the environment within which the State's financial activities take place.

Operating Information
These schedules offer operating data to help the reader understand how the information in the State's financial report relates to the services it provides and the activities it performs.

Other Information
These graphs and schedules offer a historical view of expenditures in constant dollars.

Sources: Unless otherwise noted, the information in the following schedules is derived from the State of Utah Comprehensive Annual Financial Report.

Schedule A–1

Net Position by Component*

Last Ten Fiscal Years

(expressed in thousands)

	Fiscal Year			
	2019	**2018**	**2017**	**2016**
Governmental Activities				
Net Investment in Capital Assets	$ 17,147,477	$ 16,827,887	$ 16,370,572	$ 15,478,397
Restricted [1]	4,953,627	4,693,165	4,251,152	3,864,294
Unrestricted [2]	1,847,710	1,249,827	819,880	1,011,204
Total Governmental Activities Net Position	23,948,814	22,770,879	21,441,604	20,353,895
Business-type Activities				
Net Investment in Capital Assets	32,972	29,237	19,440	20,384
Restricted [3]	2,286,785	2,221,712	2,110,776	2,065,552
Unrestricted [4]	1,319,130	1,287,673	1,228,915	1,169,162
Total Business-type Activities Net Position	3,638,887	3,538,622	3,359,131	3,255,098
Primary Government				
Net Investment in Capital Assets	17,180,449	16,857,124	16,390,012	15,498,781
Restricted	7,240,412	6,914,877	6,361,928	5,929,846
Unrestricted	3,166,840	2,537,500	2,048,795	2,180,366
Total Primary Government Net Position	$ 27,587,701	$ 26,309,501	$ 24,800,735	$ 23,608,993

*This schedule is presented using the accrual basis of accounting.

Note: This schedule has been restated for prior period adjustments, if practical, which were made to the fiscal year and preceding fiscal year in which the prior period adjustment was identified.

[1] In fiscal years 2011 to 2013, restricted net position increased due to slightly higher revenues from a strengthening economy. In fiscal year 2014 to 2017, restricted net position increased primarily due to an increase in investment values because of general market conditions. In fiscal year 2015, higher tax revenues also contributed to the increase in restricted net position. In fiscal year 2017, unspent restricted revenue as a result of a gas tax increase also contributed to the increase in restricted net position. In fiscal year 2018, restricted net position increased due to higher tax revenues from continued growth in the economy, an increase in unspent bond proceeds for transportation and capital projects, and an increase in investment values because of general market conditions. In fiscal year 2019, restricted net position increased due to an increase in investment values because of general market conditions and higher tax revenues from continued growth in the economy. Recent federal tax changes also caused a temporary surge in corporate tax revenues as corporations repatriated foreign corporate earnings.

[2] In fiscal year 2014, governmental activities' unrestricted net position increased due to an increase in carry-forward balances. In fiscal year 2015, unrestricted net position decreased due to the implementation of Governmental Accounting Standards Board Statement 68, *Accounting and Financial Reporting for Pensions* that required the measurement and recognition of the State's net pension liability. In fiscal year 2017, unrestricted net position decreased primarily due to a decrease in amounts unspent and carried forward in the General Fund and for transportation and capital projects. In fiscal years 2018 and 2019, unrestricted net position increased due to an increase in amounts unspent and carried forward in the General Fund and for transportation projects. In fiscal year 2019, capital projects also contributed to this increase.

[3] From fiscal year 2011 to 2019, restricted net position has continued to steadily increase due to unemployment revenues exceeding related claims.

[4] In fiscal years 2012 to 2014, business-type activities' unrestricted net position increased primarily due to the State providing additional capital to the loan funds from mineral lease revenue and dedicated sales tax revenues. In fiscal years 2017 to 2019, business-type activities' unrestricted net position increased primarily due to the the State providing additional capital to the loan funds from dedicated sales tax revenues.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
$ 14,789,631	$ 14,025,472	$ 13,481,005	$ 12,773,959	$ 12,358,579	$ 12,005,321
3,877,468	3,600,039	3,120,501	2,601,082	2,337,607	2,009,168
888,526	1,496,537	1,305,793	1,083,417	1,055,226	895,517
19,555,625	19,122,048	17,907,299	16,458,458	15,751,412	14,910,006
16,740	14,198	14,012	13,293	12,862	13,061
1,975,859	1,734,512	1,616,819	1,463,006	1,311,865	1,272,090
1,157,416	1,231,623	1,094,041	1,053,270	984,552	937,452
3,150,015	2,980,333	2,724,872	2,529,569	2,309,279	2,222,603
14,806,371	14,039,670	13,495,017	12,787,252	12,371,441	12,018,382
5,853,327	5,334,551	4,737,320	4,064,088	3,649,472	3,281,258
2,045,942	2,728,160	2,399,834	2,136,687	2,039,778	1,832,969
$ 22,705,640	$ 22,102,381	$ 20,632,171	$ 18,988,027	$ 18,060,691	$ 17,132,609

Schedule A–2
Changes in Net Position*
Last Ten Fiscal Years
(expressed in thousands)

	Fiscal Year			
	2019	**2018**	**2017**	**2016**
GOVERNMENTAL ACTIVITIES				
Expenses				
General Government	$ 576,183	$ 503,430	$ 476,428	$ 457,564
Human Services and Juvenile Justice Services	932,553	854,614	818,058	765,027
Corrections	340,123	314,701	297,587	282,538
Public Safety	363,510	307,121	266,032	245,598
Courts	165,833	162,049	150,066	142,913
Health and Environmental Quality [1]	2,979,063	2,807,215	2,719,553	2,600,928
Higher Education	1,339,338	1,318,207	1,104,855	1,137,364
Employment and Family Services	769,277	753,205	760,777	710,018
Natural Resources	264,093	238,545	225,176	198,190
Heritage and Arts [2]	31,928	30,279	28,874	27,048
Business, Labor, and Agriculture	122,449	116,964	106,523	112,809
Public Education [3]	4,141,443	3,981,186	3,748,684	3,554,337
Transportation[4]	1,288,760	970,442	888,854	825,923
Interest and Other Charges on Long-Term Debt	83,657	85,141	84,820	93,598
Total Expenses	13,398,210	12,443,099	11,676,287	11,153,855
Program Revenues				
Charges for Services:				
General Government	208,338	216,929	182,026	166,386
Human Services and Juvenile Justice Services	10,843	11,399	12,674	10,725
Corrections	1,960	3,199	4,824	3,836
Public Safety	78,901	73,939	59,581	61,395
Courts	54,481	52,563	51,645	51,868
Health and Environmental Quality	391,072	337,171	315,962	325,024
Higher Education	500	—	—	—
Employment and Family Services	9,153	9,639	8,911	8,082
Natural Resources	107,817	105,790	101,933	90,561
Heritage and Arts	3,325	3,041	3,961	3,443
Business, Labor, and Agriculture	119,166	104,113	94,305	94,924
Public Education	75,944	79,337	191,968	89,269
Transportation	222,588	214,221	206,963	207,554
Operating Grants and Contributions	4,162,578	4,057,460	3,994,614	3,632,735
Capital Grants and Contributions	155,265	164,278	132,708	87,942
Total Program Revenues	5,601,931	5,433,079	5,362,075	4,833,744
Net Program (Expense) - Governmental Activities	(7,796,279)	(7,010,020)	(6,314,212)	(6,320,111)
General Revenues and Other Changes in Net Position				
Taxes:				
Sales Tax and Use Tax [5]	2,804,457	2,648,552	2,402,809	2,300,368
Individual Income Tax Imposed for Education [5]	4,346,855	4,072,919	3,646,721	3,435,425
Corporate Tax Imposed for Education [5]	529,279	422,980	327,266	354,979
Motor and Special Fuel Taxes Imposed for Transportation	521,012	500,080	483,922	425,366
Other Taxes	398,486	398,940	355,075	354,800
Investment Income	60,503	34,424	22,058	9,365
Gain on Sale of Capital Assets	65,471	40,871	54,012	27,048
Miscellaneous	104,415	139,753	106,723	82,882
Special Item:				
Comprehensive Health Insurance Pool Transfer	—	—	—	—
Transfers–Internal Activities	143,736	96,245	135,338	128,148
Prior Period Adjustments and Restatements	—	(15,469)	1,207	—
Total General Revenues and Other Changes in Net Position	8,974,214	8,339,295	7,535,131	7,118,381
Change in Net Position — Governmental Activities – Increase (Decrease)	1,177,935	1,329,275	1,220,919	798,270

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
$ 442,340	$ 417,067	$ 406,065	$ 420,612	$ 402,543	$ 383,925
718,731	690,117	671,831	646,565	648,456	669,169
273,695	268,346	255,679	249,569	243,616	238,902
231,250	243,783	254,503	241,101	204,627	184,197
129,951	128,877	124,660	123,405	123,604	118,577
2,503,794	2,410,760	2,259,695	2,145,929	2,001,233	1,875,775
1,004,382	908,795	884,775	1,115,301	828,660	837,479
724,477	693,789	786,221	712,388	707,019	672,852
194,026	189,641	178,670	157,145	187,164	166,749
23,207	22,447	21,147	154,759	159,755	177,823
100,566	105,987	99,655	100,385	94,397	96,895
3,338,653	3,202,327	3,096,089	3,000,117	3,058,046	3,007,905
797,392	847,752	836,488	738,877	721,240	704,886
98,442	110,034	112,994	121,192	104,887	87,393
10,580,906	10,239,722	9,988,472	9,927,345	9,485,247	9,222,527
181,907	148,213	182,731	178,354	140,794	169,808
11,744	12,529	18,204	11,905	12,140	12,851
5,106	5,463	4,743	4,715	5,988	6,520
60,528	63,831	61,543	57,257	55,394	53,504
54,615	52,390	53,900	56,148	57,959	77,953
313,376	289,198	268,753	230,318	150,763	88,504
—	—	—	194	90	419
7,440	12,659	16,602	11,802	10,476	(2,715)
88,304	91,967	85,685	79,577	73,645	70,780
2,524	2,696	2,316	3,148	5,804	5,030
89,722	89,426	86,962	83,758	67,582	74,400
75,123	110,564	82,676	80,425	71,757	73,962
243,301	253,094	249,288	339,488	254,682	275,154
3,717,276	3,954,581	3,802,274	3,704,709	4,079,907	3,865,150
114,490	100,481	114,156	157,564	109,669	204,237
4,965,456	5,187,092	5,029,833	4,999,362	5,096,650	4,975,557
(5,615,450)	(5,052,630)	(4,958,639)	(4,927,983)	(4,388,597)	(4,246,970)
2,206,633	2,121,518	2,090,841	1,931,045	1,812,271	1,735,023
3,280,568	2,918,991	2,969,128	2,525,082	2,384,025	2,027,884
369,747	321,424	331,080	284,666	226,726	272,535
370,974	359,822	351,553	351,346	355,042	340,568
386,228	431,901	399,788	415,190	397,908	328,703
7,804	8,829	6,726	8,464	7,480	5,575
28,131	20,012	30,580	17,294	19,727	10,927
94,616	40,577	46,884	58,851	35,403	35,288
16,288	—	—	—	—	—
109,028	44,305	76,231	43,091	47,431	55,845
1,940	—	104,669	—	(56,010)	—
6,871,957	6,267,379	6,407,480	5,635,029	5,230,003	4,812,348
1,256,507	1,214,749	1,448,841	707,046	841,406	565,378

Schedule A-2
Changes in Net Position* - continued
Last Ten Fiscal Years
(expressed in thousands)

	Fiscal Year 2019	2018	2017	2016
BUSINESS-TYPE ACTIVITIES				
Expenses				
Student Assistance Programs	$ 114,087	$ 120,169	$ 136,037	$ 154,247
Unemployment Compensation [6]	152,359	156,121	175,354	182,516
Water Loan Programs	13,744	12,613	15,998	14,913
Community and Economic Loan Programs	2,402	4,991	9,074	5,253
Liquor Retail Sales	311,261	292,936	277,965	260,755
Other Business-type Activities	45,344	45,065	45,612	37,849
Total Expenses	639,197	631,895	660,040	655,533
Program Revenues				
Charges for Services:				
Student Assistance Programs	97,239	101,350	108,057	123,218
Unemployment Compensation	169,468	187,754	210,907	240,709
Water Loan Programs	729	234	746	902
Community and Economic Loan Programs	3,159	3,137	3,393	3,208
Liquor Retail Sales	430,829	407,694	384,009	364,482
Other Business-type Activities	45,891	43,991	47,994	34,968
Operating Grants and Contributions [7, 8]	33,575	44,392	39,053	46,118
Total Program Revenues	780,890	788,552	794,159	813,605
Net Program Revenue (Expense) — Business-type Activities	141,693	156,657	134,119	158,072
General Revenues and Other Changes in Net Position				
Taxes:				
Sales Tax and Use Tax	34,278	59,864	57,528	29,841
Investment Income [8]	68,162	56,561	49,349	45,318
Gain on Sale of Capital Assets	(132)	—	529	—
Miscellaneous	—	2,654	—	—
Transfers–Internal Activities	(143,736)	(96,245)	(135,338)	(128,148)
Capital Contributions	—	—	37	—
Prior Period Adjustments and Restatements	—	—	—	—
Total General Revenues and Other Changes in Net Position	(41,428)	22,834	(27,895)	(52,989)
Change in Net Position — Business-type Activities – Increase (Decrease)	100,265	179,491	106,224	105,083
Total Primary Government Change in Net Position	$ 1,278,200	$ 1,508,766	$ 1,327,143	$ 903,353

*This schedule is presented using the accrual basis of accounting.

Notes: This schedule also has been restated for prior period adjustments, if practical, which were made to the fiscal year and preceding fiscal year in which the prior period adjustment was identified.

[1] Health and Environmental Quality expenses have increased over the last ten fiscal years due to rising Medicaid program costs.

[2] In fiscal year 2013, legislative action moved the Housing and Community Development Division from Heritage and Arts to Employment and Family Services.

[3] Public Education expenses continue to increase for both enrollment growth and benefit-related costs for educators.

[4] In fiscal year 2019, Transportation expenses increased primarily due to a decrease in the amount spent for capital outlay.

[5] In fiscal years 2011 to 2019, general tax revenues increased due to higher revenues from a strengthening economy. In fiscal year 2019, corporate tax revenues also increased due to recent federal tax changes, which created a temporary surge as corporations repatriated foreign corporate earnings.

Fiscal Year 2015	2014	2013	2012	2011	2010
$ 111,437	$ 79,963	$ 99,379	$ 111,662	$ 93,422	$ 156,754
177,105	233,403	307,444	436,880	642,023	872,826
18,276	13,778	12,828	19,045	38,069	31,971
2,967	8,603	2,420	2,604	1,770	2,166
242,933	225,948	213,395	201,976	190,373	180,401
36,720	54,983	75,361	47,341	33,796	30,886
589,438	616,678	710,827	819,508	999,453	1,275,004
88,188	59,784	63,727	66,312	71,966	109,804
295,851	357,059	384,114	380,533	296,847	170,224
406	12,329	13,464	13,710	10,584	13,875
5,562	10,051	11,152	11,843	10,583	9,033
338,039	313,444	293,978	272,363	252,225	238,767
38,892	40,832	39,010	33,555	44,230	41,527
48,482	75,568	168,514	262,035	403,847	518,280
815,420	869,067	973,959	1,040,351	1,090,282	1,101,510
225,982	252,389	263,132	220,843	90,829	(173,494)
28,384	27,304	25,891	24,264	21,819	22,206
41,421	20,073	16,636	14,727	17,169	28,560
—	—	—	—	—	—
—	—	425	3,547	4,290	38,188
(109,028)	(44,305)	(76,231)	(43,091)	(47,431)	(55,845)
—	—	—	—	—	—
(367)	—	(34,550)	—	—	—
(39,590)	3,072	(67,829)	(553)	(4,153)	33,109
186,392	255,461	195,303	220,290	86,676	(140,385)
$ 1,442,899	$ 1,470,210	$ 1,644,144	$ 927,336	$ 928,082	$ 424,993

[6] In fiscal years 2011 to 2015, Unemployment Compensation expenses decreased reflecting Utah's improving economy and employment.

[7] In fiscal years 2010 and 2011, Operating Grants and Contributions increased overall from the preceding and subsequent years, primarily due to increased federal programs funded in part by the American Recovery and Reinvestment Act in the Unemployment Compensation Fund and additional operating grants issued for loan related programs.

[8] In fiscal year 2016, Investment Income of business-type activities was reclassified to other general revenues from operating grants and contributions. This change was made to comply with applicable governmental accounting standards. Prior years have been restated.

Schedule A–3
Fund Balances — Governmental Funds*
Last Ten Fiscal Years
(expressed in thousands)

	Fiscal Year			
	2019	**2018**	**2017**	**2016**
General Fund				
Nonspendable:				
Long-term Portion of Interfund Loans Receivable [1]	$ 12,063	$ 14,950	$ 18,927	$ 26,747
Prepaid Items [1]	7,625	2,463	14,475	106,745
Inventories	421	721	687	434
Restricted	43,241	38,978	33,516	38,124
Committed [2]	835,171	675,228	559,791	546,782
Assigned [3]	339,999	314,910	194,174	132,126
Unassigned	—	7,966	9,585	7,196
Total General Fund	1,238,520	1,055,216	831,155	858,154
All Other Governmental Funds				
Nonspendable:				
Prepaid Items	$ 437	$ 874	$ —	$ —
Inventories	12,769	12,959	13,905	13,990
Permanent Fund Principal [4]	1,785,184	1,707,449	2,504,560	2,267,538
Restricted [5]	2,733,925	2,731,594	1,308,585	1,189,881
Committed [6]	999,561	876,576	686,583	758,530
Assigned [7]	546,447	235,974	305,065	347,321
Total All Other Governmental Funds	6,078,323	5,565,426	4,818,698	4,577,260
Total Fund Balances — Governmental Funds	$ 7,316,843	$ 6,620,642	$ 5,649,853	$ 5,435,414

*This schedule is presented using the modified accrual basis of accounting.

Notes: This schedule has been restated for prior period adjustments, if practical, which were made to the fiscal year and preceding fiscal year in which the prior period adjustment was identified.

[1] Nonspendable fund balance within the General Fund as to prepaid items varies from year to year to due the timing of yearend payments. The long-term portion of interfund loans receivable with Internal Service Funds varies from year to year based on changes in loan balances and projections for repayments for the next year.

[2] In fiscal year 2018 and 2019, the committed fund balance within the General Fund increased due to an increase in monies set aside for specific purposes.

[3] In fiscal year 2016, the assigned fund balance within the General Fund decreased due to a reduction in the amount set aside for next year's budget. In fiscal year 2018, the assigned fund balance increased due to an increase in the amount set aside for next year's budget.

[4] In fiscal years 2013 to 2017, the nonspendable fund balance within other governmental funds increased primarily due to a change in investment values as a result of the rebounding and then prospering economy. In fiscal year 2018, the nonspendable balance decreased due to the reclassification of a portion of the fund balance within the Permanent Fund to restricted fund balance. This reclassification was the result of a constitutional amendment that implemented a new spending plan to allow the distribution of Permanent Fund earnings.

[5] In fiscal year 2017, the restricted fund balance within other governmental funds increased primarily due to an increase in the unspent balance of restricted resources within the Transportation Fund as the result of an increase in the motor and special fuels tax and also higher fuel consumption. In fiscal year 2018, the increase within other governmental funds was primarily due to the reclassification of a portion of the Permanent Fund, as explained in note 4. The balance of the increase was due to an increase in the unspent balance of restricted resources within the Education Fund as a result of growth in the individual and corporate income tax and increases within the Capital Projects and Transportation Investment Funds due to unspent bond proceeds.

[6] In fiscal years 2012 to 2014, the committed fund balance within other governmental funds increased as a result of sales and use tax diversions for transportation projects. In fiscal years 2016 and 2017, the committed fund balance decreased as expenditures increased for transportation projects utilizing sales and use tax revenue. In fiscal year 2018, the committed fund balance within other governmental funds increased due to growth in sales and use tax revenue allocated for transportation projects. In fiscal year 2019, the committed fund balance within other governmental funds increased primarily due to growth in sales and use tax revenue for transportation, and also due to new sales and use tax diversions for the Medicaid and outdoor recreation grant programs.

[7] The assigned fund balance within other governmental funds varies from year to year due to changes in funding provided for capital projects.

Fiscal Year					
2015	2014	2013	2012	2011	2010
$ 26,996	$ 38,832	$ 44,360	$ 13,537	$ 10,134	$ 2,861
96,939	73,033	67,790	23,450	—	—
662	926	800	662	538	411
34,278	40,898	41,931	39,745	31,523	35,171
496,758	507,380	496,795	489,487	445,540	371,354
255,841	197,842	224,452	159,082	212,002	222,963
—	7,224	—	11,342	609	14,884
911,474	866,135	876,128	737,305	700,346	647,644
$ —	$ —	$ —	$ —	$ —	$ —
13,605	14,018	11,980	11,583	10,523	11,646
2,244,902	2,089,334	1,690,261	1,436,623	1,355,565	1,066,568
1,188,672	1,160,581	1,094,754	1,089,030	1,191,591	1,333,776
843,483	865,786	698,264	631,983	390,278	347,254
163,194	128,631	63,586	112,015	174,737	92,806
4,453,856	4,258,350	3,558,845	3,281,234	3,122,694	2,852,050
$ 5,365,330	$ 5,124,485	$ 4,434,973	$ 4,018,539	$ 3,823,040	$ 3,499,694

Schedule A–4
Changes in Fund Balances — Governmental Funds*
Last Ten Fiscal Years

(dollars expressed in thousands)

	Fiscal Year 2019	2018	2017	2016
Revenues				
Sales and Use Tax [1]	$ 2,805,618	$ 2,646,996	$ 2,403,347	$ 2,302,886
Individual Income Tax [1]	4,336,437	4,033,320	3,646,112	3,393,087
Corporate Tax [1]	534,977	423,019	325,701	354,615
Motor and Special Fuels Tax [2]	521,199	500,049	484,677	425,343
Other Taxes	398,684	399,286	354,863	355,229
Federal Contracts and Grants [3]	3,973,026	3,893,654	3,828,715	3,573,699
Charges for Services/Royalties	780,790	740,282	667,665	630,300
Licenses, Permits, and Fees	219,972	211,045	203,830	199,748
Federal Mineral Lease [4]	77,607	76,693	73,787	69,245
Intergovernmental	16,029	11,801	19,273	11,264
Investment Income [5]	218,077	198,082	266,775	34,168
Miscellaneous and Other	433,733	448,431	394,167	388,295
Total Revenues	14,316,149	13,582,658	12,668,912	11,737,879
Expenditures				
General Government	492,800	460,569	409,626	412,204
Human Services and Juvenile Justice Services	919,227	858,099	804,283	766,186
Corrections	328,586	317,425	305,438	290,217
Public Safety	340,210	294,693	253,976	263,417
Courts	165,369	170,233	152,262	146,510
Health and Environmental Quality [6]	2,997,039	2,823,947	2,733,374	2,622,797
Higher Education–State Administration	96,323	78,773	73,641	79,567
Higher Education–Colleges and Universities	1,102,310	1,018,286	981,938	915,432
Employment and Family Services [7]	755,613	749,620	754,530	708,184
Natural Resources	251,545	231,665	225,387	196,188
Heritage and Arts [7]	31,981	30,965	29,335	27,826
Business, Labor, and Agriculture	119,491	119,158	107,800	111,186
Public Education [8]	4,140,263	3,983,098	3,732,813	3,556,897
Transportation [9, 10]	996,728	1,024,576	975,662	835,111
Capital Outlay [11]	847,541	778,543	668,768	523,937
Debt Service — Principal Retirement	260,949	288,051	342,622	348,576
Debt Service — Interest and Other Charges	103,417	103,866	105,023	118,805
Total Expenditures	13,949,392	13,331,567	12,656,478	11,923,040
Revenues Over (Under) Expenditures	366,757	251,091	12,434	(185,161)
Other Financing Sources (Uses)				
General Obligation Bonds Issued [11]	127,715	485,225	—	—
Revenue Bonds Issued	—	2,920	—	93,625
Refunding Bonds Issued	—	144,610	—	—
Premium on Bonds Issued	23,308	71,360	—	4,405
Payment to Refunded Bond Escrow Agent	(27,770)	(118,495)	—	—
Capital Leases/Contracts Issued	—	13,705	—	5,100
Sale of Capital Assets	65,331	40,277	53,025	30,688
Transfers In	2,581,581	1,880,116	1,792,074	1,998,019
Transfers Out	(2,440,721)	(1,784,551)	(1,657,967)	(1,876,592)
Special Item				
Comprehensive Health Insurance Pool Transfer [12]	—	—	—	—
Prior Period Adjustments and Restatements	—	(15,469)	1,207	—
Total Other Financing Sources (Uses)	329,444	719,698	188,339	255,245
Net Change in Fund Balances	$ 696,201	$ 970,789	$ 200,773	$ 70,084
Debt Service as a Percentage of Noncapital Expenditures	2.74%	3.18%	3.78%	4.17%

*This schedule is presented using the modified accrual basis of accounting.

Notes: This schedule also has been restated for prior period adjustments, if practical, which were made to the fiscal year and preceding fiscal year in which the prior period adjustment was identified.

[1] In fiscal years 2011 to 2019, tax revenues increased due to a rebounding and then prospering economy. In fiscal year 2019, the increase in corporate tax revenues was also due to recent federal tax changes, which created a temporary surge as corporations repatriated foreign corporate earnings.

[2] In fiscal years 2016 and 2017, motor and special fuels tax increased due in part to a tax increase that became effective in mid-2016, and also as a result of higher fuel consumption. In fiscal 2019, the increase in motor and special fuels tax was due in part to a tax increase that became effective in mid-2019, and also as a result of higher fuel consumption.

[3] In fiscal year 2017, federal contracts and grants increased due to an increase in funding provided for the Medicaid program and highway projects. In fiscal years 2018 and 2019, the increase was the result of an increase in funding provided for the Medicaid program.

[4] In fiscal year 2016, federal mineral lease revenue decreased due to lower energy prices and a decline in production.

[5] Significant changes in investment income from year to year are due to the change in the fair value of investments as a result of general market conditions.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
$ 2,204,389	$ 2,121,249	$ 2,094,132	$ 1,934,035	$ 1,812,011	$ 1,733,412
3,211,476	2,916,015	2,865,195	2,518,373	2,332,562	2,124,173
366,543	322,748	329,726	285,541	230,888	266,961
371,412	359,176	351,197	353,299	352,918	341,196
386,066	432,178	400,111	414,744	397,248	328,753
3,478,563	3,463,045	3,489,515	3,561,512	3,626,354	3,713,771
682,288	706,125	677,119	625,831	528,568	463,436
194,648	188,653	185,976	183,630	188,998	179,947
138,635	158,193	138,122	183,739	135,979	129,377
12,620	7,211	32,704	34,407	18,537	28,659
133,092	353,653	221,139	46,133	274,797	118,541
384,968	327,880	305,267	393,010	332,722	356,004
11,564,700	11,356,126	11,090,203	10,534,254	10,231,582	9,784,230
386,059	374,134	362,845	356,752	316,440	313,981
723,663	692,277	669,091	645,418	646,411	667,192
272,053	266,246	251,118	245,829	238,090	235,411
266,586	271,716	255,727	239,453	207,426	199,731
137,901	132,886	129,693	127,066	128,676	136,373
2,517,513	2,434,410	2,252,166	2,141,835	2,008,356	1,873,264
56,935	48,920	51,901	49,359	48,836	52,084
875,610	781,998	735,438	721,074	718,026	734,440
730,972	703,441	781,178	706,181	703,786	673,329
190,378	184,465	178,330	153,698	189,430	161,640
24,041	24,231	22,428	155,575	160,338	178,258
101,331	105,915	99,828	99,689	93,149	96,579
3,340,290	3,202,007	3,097,161	2,999,706	3,059,351	3,002,318
903,700	902,788	951,277	1,064,449	946,692	1,204,955
499,705	380,930	524,582	973,206	1,236,168	1,007,219
319,739	329,659	309,268	266,300	223,952	189,041
135,994	150,101	154,472	168,047	142,452	113,876
11,482,470	10,986,124	10,826,503	11,113,637	11,067,579	10,839,691
82,230	370,002	263,700	(579,383)	(835,997)	(1,055,461)
—	226,175	33,240	609,920	1,034,970	982,170
—	—	1,900	5,250	—	101,595
221,765	—	22,612	—	196,610	—
47,562	24,656	8,346	92,558	94,689	65,853
(267,870)	—	(24,358)	—	(234,873)	—
—	—	2,824	—	—	11,122
29,274	24,596	31,243	22,158	20,256	13,966
1,659,616	1,489,272	1,360,691	1,097,387	1,125,598	929,044
(1,549,960)	(1,445,189)	(1,283,764)	(1,052,391)	(1,077,907)	(873,367)
16,288	—	—	—	—	—
1,940	—	—	—	—	—
158,615	319,510	152,734	774,882	1,159,343	1,230,383
$ 240,845	$ 689,512	$ 416,434	$ 195,499	$ 323,346	$ 174,922
4.22%	4.60%	4.59%	4.45%	3.85%	3.29%

[6] Expenditures for Health and Environmental Quality have increased over the last ten fiscal years due to rising Medicaid program costs.

[7] In fiscal year 2013, legislative action moved the Housing and Community Development Division from Heritage and Arts to Employment and Family Services.

[8] Public education expenditures continue to increase for both enrollment growth and benefit-related costs for educators.

[9] In fiscal year 2012, the Transportation Investment Fund was reclassified as a capital projects fund. Expenditures relating to this fund have been reclassified from transportation expenditures to capital outlay for prior years.

[10] Expenditures for transportation vary from year to year due to the timing of highway construction projects.

[11] Expenditures for capital outlay vary from year to year due to changes in funding from bond proceeds or state appropriations provided for buildings, highways, and other projects.

[12] In fiscal year 2015, the Comprehensive Health Insurance Pool (nonmajor discrete component unit) was dissolved and the remaining cash balance was transferred to the State's General Fund.

Schedule B–1
Revenue Base
Last Ten Calendar Years
(dollars expressed in thousands)

	Calendar Year 2018	2017	2016	2015
Taxable Sales, Services, and Use Tax Purchases [1]				
Agriculture, Forestry, and Fishing	$ 20,664	$ 19,438	$ 16,790	$ 15,400
Mining	562,722	555,332	473,021	606,129
Construction	1,048,607	930,707	793,332	719,199
Manufacturing	2,692,334	2,500,510	2,334,180	2,394,889
Transportation	165,418	150,783	129,326	119,530
Communications and Utilities	4,554,313	4,575,019	4,603,701	4,640,315
Wholesale Trade	5,420,375	4,922,340	4,508,459	4,544,672
Retail	34,806,178	33,029,982	30,458,131	28,847,726
Finance, Insurance, and Real Estate	1,835,800	1,715,813	1,562,251	1,518,729
Services	11,229,829	10,636,808	10,058,980	9,383,910
Public Administration	275,969	265,678	256,124	254,337
Prior Period Payments and Refunds	2,370,315	1,729,282	1,308,139	888,441
Total Taxable Sales, Services and Use Tax Purchases	$ 64,982,524	$ 61,031,692	$ 56,502,434	$ 53,933,277
State Sales Tax Rate	4.70%	4.70%	4.70%	4.70%
Personal Income by Industry				
Federal Civilian	$ 3,778,271	$ 3,640,850	$ 3,503,288	$ 3,362,932
Federal Military	811,704	754,588	745,003	715,450
State and Local Government	12,673,085	12,023,320	11,377,417	11,214,437
Forestry, Fishing, and Related Activities	88,548	81,560	79,894	73,334
Mining	830,860	728,766	677,740	919,572
Utilities	792,597	734,147	581,721	559,871
Construction	8,871,956	8,126,268	7,497,605	6,757,362
Manufacturing	10,410,291	9,839,547	9,335,841	9,074,439
Wholesale Trade	4,919,835	4,772,174	4,433,918	4,457,942
Retail Trade	8,193,653	7,659,363	7,462,318	7,036,881
Transportation and Warehousing	4,537,486	4,219,443	4,055,241	3,664,221
Information	3,802,217	3,508,693	3,308,820	2,939,164
Financial, Insurance, Real Estate, Rental, and Leasing	10,361,683	9,683,027	9,169,397	7,951,465
Services	37,575,359	34,897,156	32,839,863	30,551,475
Farm Earnings	272,101	334,015	338,436	465,109
Other [2]	38,502,883	35,540,769	33,000,523	28,980,981
Total Personal Income	$ 146,422,529	$ 136,543,686	$ 128,407,025	$ 118,724,635
Highest Income Tax Rate	4.95%	5.00%	5.00%	5.00%

Sources: Taxable Sales, Services, and Use Tax Purchases – Utah State Tax Commission; Personal Income by Industry – U.S. Department of Commerce, Bureau of Economic Analysis and the Utah Department of Workforce Services. Prior year information has been updated with the most recent data available.

[1] Taxable Sales, Services, and Use Tax Purchases utilize *American Industrial Classification* codes.

[2] Other personal income includes dividends, interest, rents, residence adjustment, government transfers to individuals, and deduction for social insurance contributions.

Calendar Year					
2014	**2013**	**2012**	**2011**	**2010**	**2009**
$ 16,721	$ 15,083	$ 13,880	$ 14,082	$ 12,747	$ 10,938
842,837	850,275	961,570	848,168	757,601	560,727
718,877	686,116	749,572	654,043	662,141	685,598
2,439,019	2,251,708	2,283,863	2,209,327	2,082,345	2,079,294
116,776	151,582	123,695	274,577	236,609	150,891
4,764,084	4,609,452	4,515,800	4,250,457	4,147,437	4,060,387
4,564,362	4,397,645	4,647,539	4,065,152	3,615,569	3,457,754
27,160,751	25,848,614	24,351,361	22,794,901	21,480,510	22,613,395
1,441,941	1,378,991	1,327,864	1,337,530	1,328,491	1,430,640
8,696,364	8,108,526	7,670,035	7,137,503	6,737,174	6,289,414
262,250	250,212	245,093	229,227	224,668	225,935
685,181	855,842	640,908	339,856	622,276	359,249
$ 51,709,163	$ 49,404,046	$ 47,531,180	$ 44,154,823	$ 41,907,568	$ 41,924,222
4.70%	4.70%	4.70%	4.70%	4.70%	4.70%
$ 3,226,299	$ 3,127,049	$ 3,201,034	$ 3,556,359	$ 3,427,143	$ 3,262,129
732,507	758,348	782,075	1,023,592	1,066,165	1,059,773
10,932,387	10,438,482	10,479,690	9,440,193	9,056,491	8,996,163
71,162	79,070	69,036	69,173	59,568	56,230
1,055,022	1,488,131	1,451,372	1,134,370	939,571	905,190
518,729	509,579	510,476	531,434	517,919	500,769
6,139,119	5,749,752	5,310,328	5,033,034	4,851,542	4,880,333
8,607,123	8,372,774	8,079,603	7,787,202	7,523,277	7,243,424
4,019,735	3,920,138	3,778,828	3,473,443	3,142,845	3,145,582
6,688,936	6,245,965	5,817,378	5,478,538	5,352,492	5,248,220
3,319,368	3,148,136	2,983,157	2,977,382	2,871,728	2,818,544
2,729,627	2,527,863	2,426,304	2,146,263	1,931,461	1,837,118
7,068,780	7,101,517	6,281,226	6,113,185	5,578,130	5,432,615
28,810,801	27,872,193	26,044,184	24,676,881	23,756,996	22,798,279
509,130	510,235	231,074	266,260	202,854	105,542
26,415,095	24,223,342	23,716,925	20,693,761	19,972,051	18,640,550
$ 110,843,820	$ 106,072,574	$ 101,162,690	$ 94,401,070	$ 90,250,233	$ 86,930,461
5.00%	5.00%	5.00%	5.00%	5.00%	5.00%

Schedule B–2
Revenue Payers by Industry – Taxable Sales, Services, and Use Tax Purchases
Most Current Calendar Year and Historical Comparison
(dollars expressed in thousands)

	Calendar Year 2009		Calendar Year 2018	
	Taxable Sales and Purchases	**Percent of Total**	**Taxable Sales and Purchases**	**Percent of Total**
Agriculture, Forestry, and Fishing	$ 10,938	0.10%	$ 20,664	0.10%
Mining	560,727	1.30%	562,722	0.90%
Construction	685,598	1.60%	1,048,607	1.60%
Manufacturing	2,079,294	5.00%	2,692,334	4.10%
Transportation	150,891	0.40%	165,418	0.30%
Communications and Utilities	4,060,387	9.70%	4,554,313	7.00%
Wholesale Trade	3,457,754	8.20%	5,420,375	8.30%
Retail	22,613,395	53.90%	34,806,178	53.60%
Finance, Insurance, and Real Estate	1,430,640	3.40%	1,835,800	2.80%
Services	6,289,414	15.00%	11,229,829	17.30%
Public Administration	225,935	0.50%	275,969	0.40%
Prior Period Payments, Refunds	359,249	0.90%	2,370,315	3.60%
Total Taxable Sales, Services, and Use Tax Purchases	$ 41,924,222	100.00%	$ 64,982,524	100.00%
State Sales Tax Rates	4.70% except 2.00% for Communications and Utilities		4.70% except 2.00% for Communications and Utilities	

Source: Utah State Tax Commission

Note: Due to confidentiality issues, the names of the ten largest revenue payers are not available. The categories presented are intended to provide alternative information regarding the sources of the State's revenue.

Schedule B–3
Revenue Payers – Personal Income Tax
Most Current Calendar Year and Historical Comparison
(dollars expressed in thousands)

	Calendar Year 2008				Calendar Year 2017			
	Number of Filers	**Percent of Total**	**Tax Liability**	**Percent of Total**	**Number of Filers**	**Percent of Total**	**Tax Liability**	**Percent of Total**
Adjusted Gross Income Class								
$10,000 and under	168,575	16.40%	$ 1,645	0.10%	164,351	13.43%	$ 956	0.10%
$10,001–20,000	153,906	14.90%	24,645	1.20%	154,108	12.59%	21,975	0.60%
$20,001–30,000	137,722	13.40%	67,157	3.40%	145,577	11.90%	72,371	2.16%
$30,001–40,000	109,522	10.60%	99,020	5.00%	124,388	10.17%	115,596	3.44%
$40,001–50,000	87,555	8.50%	119,038	6.00%	99,574	8.14%	140,856	4.20%
$50,001–75,000	161,759	15.70%	353,082	17.80%	188,287	15.39%	424,359	12.65%
$75,001–100,000	98,409	9.50%	335,364	16.90%	129,457	10.58%	448,909	13.39%
$100,001–250,000	99,075	9.60%	600,572	30.20%	186,299	15.23%	1,187,880	35.42%
Over $250,000	13,983	1.40%	387,798	19.40%	31,446	2.57%	940,537	28.04%
Total	1,030,506	100.00%	$ 1,988,321	100.00%	1,223,487	100.00%	$ 3,353,439	100.00%

Source: Utah State Tax Commission, for full-year residents only.

Note: Due to confidentiality issues, the names of the ten largest revenue payers are not available. The categories presented are intended to provide alternative information regarding the sources of the State's revenue. The most current period available for personal income tax information is calendar year 2017.

Schedule B–4
Personal Income Tax Rates
Last Ten Calendar Years

	Calendar Year	
	2018	**2009 to 2017**
	Single and Married Filing Separately	
Tax Rate	4.95%	5.00%
	Married Filing Joint, Head of Household, and Qualifying Widow(er) [1]	
Tax Rate	4.95%	5.00%

Source: Utah State Tax Commission

Note: The Utah State Legislature can raise the income tax rates by legislation, no vote of the populace is required; *Utah Constitution*, Article XIII, Section 5.

Schedule C–1
Ratios of Outstanding Debt by Type
Last Ten Fiscal Years
(dollars expressed in millions)

	Fiscal Year 2019	2018	2017	2016
Governmental Activities				
General Obligation Bonds	$ 2,374	$ 2,498	$ 2,235	$ 2,585
State Building Ownership Authority Lease Revenue Bonds	205	244	230	249
Capital Leases	31	33	22	23
Contracts/Notes Payable	—	—	—	—
Total Governmental Activities	2,610	2,775	2,487	2,857
Business-type Activities				
Student Assistance Revenue Bonds [1]	1,254	1,495	1,812	1,255
State Building Ownership Authority Lease Revenue Bonds	77	83	73	79
Water Loan Recapitalization Revenue Bonds	26	31	37	42
Contracts/Notes Payable [1]	1	1	—	922
Total Business-type Activities	1,358	1,610	1,922	2,298
Total Primary Government	$ 3,968	$ 4,385	$ 4,409	$ 5,155
Debt as a Percentage of Personal Income [2]	2.57%	2.99%	3.23%	4.01%
Amount of Debt Per Capita (expressed in dollars) [2]	$ 1,235	$ 1,387	$ 1,421	$ 1,693
Net General Obligation Bonded Debt				
General Obligation Bonds	$ 2,374	$ 2,498	$ 2,235	$ 2,585
Net General Obligation Bonded Debt as a Percentage of Taxable Property Value [3]	0.80%	0.92%	0.89%	1.10%
Amount of Net General Obligation Bonded Debt Per Capita (expressed in dollars) [2]	$ 739	$ 791	$ 721	$ 849

Sources: Utah Department of Administrative Services, Division of Finance; Utah State Tax Commission – Property Tax; and Utah Governor's Office of Management and Budget – Demographics.

Note: Net general obligation and revenue bonded debt includes principal, premiums, discounts, and deferred amount on refundings of bonded debt for years prior to 2014. Beginning in 2014, deferred amounts on refunding of bonded debt was no longer reported as part of long-term liabilities, but as Deferred Outflows or Inflows of Resources per the implementation of Governmental Accounting Standards Board (GASB) Statement 65, *Items Previously Reported as Assets and Liabilities*.

[1] During 2015 the Student Assistance Programs issued a line of credit to acquire federally guaranteed student loans. In 2017, the Student Assistance Programs issued additional bonds to retire its line of credit issued in 2015 related to acquiring federally guaranteed student loans.

[2] Ratios are calculated using personal income and population data. See Schedule D–1 for personal income and population data. During 2010 to 2012, the State issued just under $1 billion in General Obligation bonds to take advantage of historically low interest rates and ease budget constraints for highway and building construction projects.

[3] The percentage of Net General Obligation Bonded Debt based upon taxable property value is presented for comparative purposes. The State does not presently levy ad valorem property taxes for General Obligation Bonded Debt, but is authorized to do so in accordance with Title 59, Chapter 2, Part 901 of the *Utah Code*. See Schedule C–3 for taxable property value.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
$ 2,950	$ 3,271	$ 3,361	$ 3,660	$ 3,256	$ 2,410
170	187	200	213	223	239
20	22	23	24	26	28
—	6	10	—	—	—
3,140	3,486	3,594	3,897	3,505	2,677
1,511	1,284	1,274	970	1,243	1,389
80	81	85	90	95	98
47	52	58	62	67	68
1,152	—	—	552	648	811
2,790	1,417	1,417	1,674	2,053	2,366
$ 5,930	$ 4,903	$ 5,011	$ 5,571	$ 5,558	$ 5,043
5.04%	4.42%	4.78%	5.51%	5.89%	5.59%
$ 1,979	$ 1,665	$ 1,727	$ 1,951	$ 1,975	$ 1,817
$ 2,950	$ 3,271	$ 3,361	$ 3,660	$ 3,256	$ 2,410
1.33%	1.58%	1.67%	1.82%	1.59%	1.13%
$ 985	$ 1,111	$ 1,159	$ 1,282	$ 1,157	$ 868

Schedule C–2

Long-term Debt and Other Long-term Liabilities

Last Ten Fiscal Years

(expressed in thousands)

	Fiscal Year			
	2019	**2018**	**2017**	**2016**
Governmental Activities				
General Obligation Bonds [1]	$ 2,155,675	$ 2,396,875	$ 2,173,985	$ 2,498,895
General Obligation Bonds - Direct Placement [2]	117,600	—	—	—
State Building Ownership Authority (SBOA) Lease Revenue Bonds	174,076	237,426	225,163	242,976
SBOA Lease Revenue Bonds - Direct Placement [2]	25,910	—	—	—
Net Unamortized Premiums	106,066	108,115	66,423	92,827
Deferred Amount on Refundings [3]	—	—	—	—
Capital Leases - Direct Borrowing [2]	28,203	33,132	21,616	23,498
Notes Payable - Direct Borrowing [2]	227	268	305	339
Capital Leases	2,803	—	—	—
Compensated Absences [4]	211,138	184,505	181,557	182,707
Claims Liability	63,558	57,330	53,645	48,092
Pollution Remediation Obligation	5,324	5,366	5,891	6,401
Settlement Obligations	227	273	319	365
Net Pension Liability [7]	1,140,766	763,753	1,031,449	992,495
Net Other Post Employment Benefit Obligation [8]	—	—	—	3,848
Net Other Post Employment Benefit Liability [8]	68,335	99,058	109,618	—
Arbitrage Liability	544	—	—	—
Total Governmental Activities	4,100,452	3,886,101	3,869,971	4,092,443
Business-type Activities				
Student Assistance Revenue Bonds [5]	1,265,880	1,506,965	1,822,807	1,256,026
State Building Ownership Authority Lease Revenue Bonds	72,549	77,704	67,438	72,674
Water Loan Recapitalization Revenue Bonds	25,520	31,225	36,680	41,915
Net Unamortized Premiums/(Discounts)	(8,000)	(6,418)	(5,437)	5,434
Deferred Amount on Refundings [3]	—	—	—	—
Notes Payable - Direct Borrowing [2, 6]	618	635	—	921,995
Claims and Uninsured Liabilities	3,279	4,365	4,810	5,726
Arbitrage Liability	—	—	—	—
Net Pension Liability [7]	19,065	12,038	17,468	17,845
Net Other Post Employment Benefit Liability [8]	1,108	1,564	1,731	—
Total Business-type Activities	1,380,019	1,628,078	1,945,497	2,321,615
Total Primary Government Other Long-term Liabilities	$ 5,480,471	$ 5,514,179	$ 5,815,468	$ 6,414,058

Note: Details regarding the liabilities listed above can be found in Note 10. Long-term Liabilities in the financial statements.

[1] During 2010 to 2012, the State issued just under $1 billion in General Obligation bonds to take advantage of historically low interest rates and ease budget constraints for highway and building construction projects.

[2] In 2019, GASB Statement 88, *Certain Disclosures Related to Debt, including Direct Borrowings and Direct Placements*, requires separate disclosure of debt issued directly to an investor.

[3] Beginning in 2014, deferred amount on refundings are no longer reported in the financial statements as part of other long-term liabilities under Governmental and Business-type Activities. This obligation is now being reported as Deferred Outflows or Inflows of Resources per the implementation of Governmental Accounting Standards Board (GASB) Statement 65, *Items Previously Reported as Assets and Liabilities*.

[4] During 2011 and 2019, a new actuary valuation was performed for GASB Statement 16, *Accounting for Compensated Absences* and as a result the total liability increased.

[5] During 2012, the Student Assistance Programs advance refunded certain outstanding student loan revenue bonds to manage its interest costs. In 2017, the Student Assistance Programs issued additional bonds to retire its line of credit issued in 2015 related to acquiring federally guaranteed student loans.

[6] In 2015, the Student Assistance Programs issued a line of credit to acquire federally guaranteed student loans.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
$ 2,830,150	$ 3,136,755	$ 3,225,435	$ 3,487,680	$ 3,128,890	$ 2,299,300
—	—	—	—	—	—
166,773	183,590	198,485	210,384	220,380	236,629
—	—	—	—	—	—
122,321	138,187	159,882	200,979	162,003	119,694
—	—	(22,546)	(26,248)	(31,904)	(7,080)
20,287	21,794	23,213	24,270	25,799	27,542
370	5,983	9,758	446	466	484
—	—	—	—	—	—
185,792	184,679	185,711	185,701	182,543	162,120
46,931	48,585	48,190	44,700	42,731	41,897
5,086	5,327	6,222	6,640	7,083	7,690
4,471	6,928	25,020	34,007	38,926	39,422
802,543	—	—	—	—	—
4,126	4,331	5,206	5,439	7,142	5,693
—	—	—	—	—	—
—	—	—	—	—	—
4,188,850	3,736,159	3,864,576	4,173,998	3,784,059	2,933,391
1,509,543	1,277,837	1,240,407	930,422	1,218,390	1,388,922
73,207	79,106	83,795	88,161	92,445	96,476
46,940	51,800	56,545	61,205	65,800	65,800
8,696	9,110	13,143	16,917	29,092	4,093
—	—	23,413	25,445	(994)	(221)
1,152,207	—	—	552,423	647,842	811,354
7,587	9,283	18,694	17,866	16,179	19,105
—	—	—	10,000	11,968	50,214
12,853	—	—	—	—	—
—	—	—	—	—	—
2,811,033	1,427,136	1,435,997	1,702,439	2,080,722	2,435,743
$ 6,999,883	$ 5,163,295	$ 5,300,573	$ 5,876,437	$ 5,864,781	$ 5,369,134

[7] During 2015, the State implemented GASB Statement 68, *Accounting and Financial Reporting for Pensions* which replaced GASB Statements 27 and 50 as they relate to pensions that are provided through pension plans administered as trust or equivalent arrangements that meet certain criteria. In part, GASB Statement 68 requires the reporting of the net Pension liability. GASB Statement 27 only required the reporting of a Pension obligation when contributions were less than the actuary's Annual Required Contribution.

[8] During 2017, the State implemented GASB Statement 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions* which replaced GASB Statement 45. In part, GASB Statement 75 requires the reporting of the net Other Postemployment Benefit (OPEB) liability. GASB Statement 45 only required the reporting of an OPEB obligation when contributions were less than the actuary's Annual Required Contribution.

Schedule C–3
Legal Debt Margin
Last Ten Fiscal Years
(dollars expressed in millions)

	Fiscal Year 2019	2018	2017	2016
Taxable Property, Taxable Value [1]	$ 298,114	$ 271,649	$ 251,598	$ 235,273
Taxable Property, Fair Market Value [1]	415,650	377,260	347,716	323,367
Debt Limit (Fair Market Value times 1.50 %)	1.50%	1.50%	1.50%	1.50%
Debt Limit Amount	6,235	5,659	5,216	4,851
Net General Obligation Bonded Debt [2, 3]	2,374	2,498	2,235	2,585
Legal Debt Margin	$ 3,861	$ 3,161	$ 2,981	$ 2,266
Net General Obligation Bonded Debt As a Percentage of the Debt Limit Amount	38.08%	44.14%	42.85%	53.29%

Source: Utah State Tax Commission and the Utah Department of Administrative Services, Division of Finance.

Note: Article XIV, Section 1 of the *Utah Constitution* allows the State to contract debts not exceeding 1.50 percent of the total taxable property in the State. The Legislature authorizes general obligation indebtedness within this limit. The State uses outstanding general obligation bond debt to comply within the constitutional debt limit. The State has other long-term contract liabilities consisting of unused vacation for employees of $100.062 million as of fiscal yearend. These contract liabilities do not affect the State's compliance with the constitutional debt limit.

[1] Taxable property is assessed January 1 of each year. The value used for the fiscal year limitation is from the prior calendar year; assessed values as of January 1, 2018, are used for fiscal year 2019.

Schedule C–4
Statutory Debt Limit
Last Ten Fiscal Years
(dollars expressed in millions)

	Fiscal Year 2019	2018	2017	2016
Appropriations Limitation Amount	$ 3,911	$ 3,738	$ 3,567	$ 3,469
Limit (Appropriations Limitation Amount times applicable percentage)	45.00%	45.00%	45.00%	45.00%
Statutory Debt Limit Amount	1,760	1,682	1,605	1,561
Net General Obligation Bonded Debt [1]	2,374	2,498	2,235	2,585
Less: Exempt Highway Construction Bonds	(2,175)	(2,282)	(2,180)	(2,402)
Net General Obligation Bonded Debt Subject to Statutory Debt Limit	199	217	55	183
Additional General Obligation Debt Incurring Capacity	$ 1,561	$ 1,466	$ 1,550	$ 1,378

Source: Utah Governor's Office of Management and Budget and the Utah Department of Administrative Services, Division of Finance.

Note: Article XIV, Section 5 of the *Utah Constitution* limits any funds borrowed to be used solely for purposes as authorized by law. In addition, Title 63J-3-402 of the *Utah Code* limits outstanding state general obligation debt to not exceed the applicable percentage (unless approved by more than two-thirds of both houses of the Legislature) of that fiscal year's appropriations limit. The State uses outstanding general obligation bond debt to comply within the constitutional debt limit. The State has other long-term contract liabilities consisting of unused vacation for employees of $100.062 million as of fiscal yearend. These contract liabilities do not affect the State's compliance with the constitutional debt limit.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
$ 221,650	$ 207,211	$ 201,294	$ 201,473	$ 205,284	$ 212,423
303,725	282,489	272,954	274,806	280,846	291,460
1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
4,556	4,237	4,094	4,122	4,213	4,372
2,950	3,271	3,361	3,660	3,256	2,410
$ 1,606	$ 966	$ 733	$ 462	$ 957	$ 1,962
64.75%	77.20%	82.10%	88.79%	77.28%	55.12%

[2] During 2010 to 2012, the State issued general obligation bonds to take advantage of low interest rates and ease budget constraints.

[3] Net general obligation bonded debt includes principal, premiums, discounts, and deferred amount on refundings of bonded debt for years prior to 2014. Beginning in 2014, deferred amount on refundings of bonded debt was no longer reported as part of long-term liabilities, but as Deferred Outflows or Inflows of Resources per the implementation of Governmental Accounting Standards Board (GASB) Statement 65, *Items Previously Reported as Assets and Liabilities*.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
$ 3,315	$ 3,250	$ 3,142	$ 3,034	$ 2,849	$ 2,657
45.00%	45.00%	45.00%	45.00%	45.00%	45.00%
1,492	1,463	1,414	1,365	1,282	1,196
2,950	3,271	3,361	3,660	3,256	2,410
(2,622)	(2,860)	(2,869)	(3,132)	(2,698)	(1,861)
328	411	492	528	558	549
$ 1,164	$ 1,051	$ 922	$ 837	$ 724	$ 646

[1] Net general obligation bonded debt includes principal, premiums, discounts, and deferred amount on refundings of bonded debt for years prior to 2014. Beginning in 2014, deferred amount on refundings of bonded debt was no longer reported as part of long-term liabilities, but as Deferred Outflows or Inflows of Resources per the implementation of Governmental Accounting Standards Board (GASB) Statement 65, *Items Previously Reported as Assets and Liabilities*.

Schedule C–5
Pledged Revenue Bond Coverage
Last Ten Fiscal Years
(dollars expressed in thousands)

Fiscal Year	Gross Revenues [1]	Less Operating Expenses [2]	Net Available Revenue	Debt Service Principal	Debt Service Interest	Coverage [3]
Water Loan Programs						
2010	$ 1,295	$ —	$ 1,295	$ —	$ 862	1.50
2011	$ 3,742	$ —	$ 3,742	$ —	$ 2,424	1.54
2012	$ 3,860	$ —	$ 3,860	$ 4,595	$ 2,371	0.55
2013	$ 3,649	$ —	$ 3,649	$ 4,660	$ 2,297	0.52
2014	$ 3,877	$ —	$ 3,877	$ 4,745	$ 2,197	0.56
2015	$ 3,920	$ —	$ 3,920	$ 4,860	$ 2,067	0.57
2016	$ 3,744	$ —	$ 3,744	$ 5,025	$ 1,851	0.54
2017	$ 3,628	$ —	$ 3,628	$ 5,235	$ 1,658	0.53
2018	$ 3,756	$ —	$ 3,756	$ 5,455	$ 1,406	0.55
2019	$ 4,113	$ —	$ 4,113	$ 5,705	$ 1,167	0.60
Student Assistance Programs						
2010	$ 70,616	$ 42,470	$ 28,146	$ 966,668	$ 35,967	0.03
2011	$ 27,188 [4]	$ (20,137)	$ 47,325	$ 557,894	$ 20,655	0.08
2012	$ 25,404	$ 14,904	$ 10,500	$ 797,350	$ 10,620	0.01
2013	$ 44,378	$ 27,914	$ 16,464	$ 208,715	$ 9,747	0.08
2014	$ 49,679	$ 36,697	$ 12,982	$ 171,000	$ 7,631	0.07
2015	$ 75,796	$ 59,463	$ 16,333	$ 967,584 [5]	$ 6,646	0.02
2016	$ 110,982 [6]	$ 87,889	$ 23,093	$ 483,729	$ 25,338	0.05
2017	$ 92,421	$ 65,327	$ 27,094	$ 1,227,465 [7]	$ 30,833	0.02
2018	$ 79,408	$ 40,098	$ 39,310	$ 315,842	$ 38,403	0.11
2019	$ 69,749	$ 22,821	$ 46,928	$ 241,085	$ 44,081	0.16

Note: Details regarding the State's outstanding bonds can be found in Note 10. Long-term Liabilities in the financial statements.

[1] Revenues for Water Loan Programs are primarily interest on revolving loan receivables; principal repayments are not included in gross revenues, but are pledged to cover debt service payments. Revenues for Student Assistance Programs are primarily interest on student loans and federal allowances.

[2] Operating Expenses do not include interest, depreciation, or amortization expenses.

[3] Coverage equals net available revenue divided by debt service.

[4] During 2011, the Student Assistance Programs had a substantial decrease in its provision for interest arbitrage rebate of $37.200 million on its 1988 and 1993 revenue bonds.

[5] Prior to 2015, only Student Loan Purchase Program bonds were presented. During 2015, a line of credit was issued for $1.600 billion in order to acquire federally guaranteed student loans.

[6] During 2016, the Student Assistance Programs had a substantial increase in interest on loans related to the line of credit that was issued in 2015 to acquire federally guaranteed student loans.

[7] During 2017, the Student Assistance Programs retired its line of credit issued in 2015 related to acquiring federally guaranteed student loans.

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Schedule D–1
Demographic and Economic Indicators
Last Ten Calendar Years

Calendar Year	Population (in thousands)				Unemployment Rate		Utah Net Migration
	Utah		U.S.				
	Number	Change	Number	Change	Utah	U.S.	
2010	2,775	1.46%	310,100	0.75%	8.10%	9.60%	4,500
2011	2,814	1.41%	312,300	0.71%	6.80%	8.90%	2,300
2012	2,855	1.46%	314,500	0.70%	5.40%	8.10%	3,700
2013	2,901	1.61%	316,700	0.70%	4.40%	7.40%	9,200
2014	2,945	1.52%	319,500	0.88%	3.80%	6.20%	6,000
2015	2,991	1.56%	321,500	0.63%	3.50%	5.30%	14,200
2016	3,044	1.77%	324,000	0.78%	3.40%	4.90%	25,300
2017	3,103	1.94%	326,000	0.62%	3.30%	4.40%	30,000
2018	3,161	1.87%	328,000	0.61%	3.10%	3.90%	29,100
2019 (est.)	3,212	1.61%	330,000	0.61%	2.90%	3.70%	22,900

Calendar Year	Personal Income (in millions)				Per Capita Income (in dollars)			
	Utah		U.S.		Utah		U.S.	
	Amount	Change	Amount	Change	Amount	Change	Amount	Change
2010	$ 90,250	2.62%	$12,322,000	3.29%	$ 32,523	1.14%	$ 39,736	2.52%
2011	$ 94,401	4.60%	$12,947,000	5.07%	$ 33,547	3.15%	$ 41,457	4.33%
2012	$ 101,163	7.16%	$13,888,000	7.27%	$ 35,434	5.62%	$ 44,159	6.52%
2013	$ 104,910	3.70%	$14,167,000	2.01%	$ 36,163	2.06%	$ 44,733	1.30%
2014	$ 110,844	5.66%	$14,810,000	4.54%	$ 37,638	4.08%	$ 46,354	3.62%
2015	$ 118,725	7.11%	$15,553,000	5.02%	$ 39,694	5.46%	$ 48,376	4.36%
2016	$ 128,407	8.15%	$16,125,000	3.68%	$ 42,184	6.27%	$ 49,769	2.88%
2017	$ 136,544	6.34%	$ 16,879,000	4.68%	$ 44,004	4.31%	$ 51,776	4.03%
2018	$ 146,423	7.24%	$17,819,000	5.57%	$ 46,322	5.27%	$ 54,326	4.93%
2019 (est.)	$ 154,636	5.61%	$18,684,000	4.85%	$ 48,143	3.93%	$ 56,618	4.22%

Source: Population – Utah Population Estimates Committee at July 1 each year. The 2019 estimate is from the Utah Revenue Assumption Committee.

Source: Unemployment Rate – Utah Department of Workforce Services. The 2019 estimate is from the Utah Revenue Assumption Committee.

Source: Utah Net Migration – Utah Population Estimates Committee at July 1 each year. The 2019 estimate is from the Utah Revenue Assumption Committee.

Source: Personal Income – U.S. Department of Commerce, Bureau of Economic Analysis, and Utah Department of Workforce Services. The 2019 estimate is from the Utah Revenue Assumption Committee.

Note: Prior year information has been updated with the most recent data available. Per Capita Income is calculated by dividing total personal income by population. Amounts may not be exact due to rounding.

Schedule D–2
Principal Employers
Most Current Calendar Year and Historical Comparisons

	Calendar Year 2009			Calendar Year 2018		
Entity Name	**Number of Employees**	**Rank**	**Percent of All Employees**	**Number of Employees**	**Rank**	**Percent of All Employees**
Intermountain Health Care (IHC)	20,000 +	1	2.20%	20,000 +	1	2.40%
University of Utah (includes Hospital)	15,000 – 19,999	5	1.30%	20,000 +	2	2.20%
State of Utah	20,000 +	2	1.90%	20,000 +	3	1.40%
Brigham Young University	15,000 – 19,999	4	1.40%	15,000 – 19,999	4	1.30%
Wal-Mart Stores	15,000 – 19,999	3	1.50%	15,000 – 19,999	5	1.10%
Hill Air Force Base	10,000 – 14,999	6	1.00%	10,000 – 14,999	6	0.80%
Davis County School District	7,000 – 9,999	8	0.70%	7,000 – 9,999	7	0.60%
Utah State University				7,000 – 9,999	8	0.60%
Smith's Food and Drug Centers	5,000 – 6,999	10	0.60%	7,000 – 9,999	9	0.60%
Granite School District	7,000 – 9,999	7	0.80%	7,000 – 9,999	10	0.60%
Jordan School District	5,000 – 6,999	9	0.70%			
Total Employees of Principal Employers	146,600		12.10%	176,700		11.60%

Source: Utah Department of Workforce Services.

Note: Number of employees is based on a calendar year average.

Schedule D–3
Composition of the Labor Force
Last Ten Calendar Years

	Calendar Year			
	2018	**2017**	**2016**	**2015**
Nonagricultural Jobs				
Government	247,904	244,311	239,416	233,658
Mining	9,470	8,618	8,494	10,372
Construction	104,341	97,495	91,537	84,676
Manufacturing	133,006	129,199	125,926	123,695
Trade, Transportation, and Utilities	286,355	278,526	271,432	263,158
Information	38,080	38,429	36,860	34,402
Financial Activity	87,540	84,072	81,710	79,020
Professional and Business Services	217,642	206,987	202,175	194,127
Education and Health Services	203,484	198,251	190,935	182,273
Leisure and Hospitality	148,530	143,029	138,591	133,657
Other Services	41,189	40,210	39,472	38,689
Total Nonagricultural Jobs	1,517,541	1,469,127	1,426,548	1,377,727
Civilian Labor Force	1,572,136	1,548,263	1,511,279	1,464,404
Total Employed	1,523,158	1,497,812	1,459,309	1,412,473
Unemployed	48,978	50,451	51,970	51,931
Unemployment Rate	3.10%	3.30%	3.40%	3.50%

Source: Utah Department of Workforce Services and the Utah Revenue Assumption Committee. Prior year information has been updated with the most recent data available.

Calendar Year					
2014	**2013**	**2012**	**2011**	**2010**	**2009**
230,619	225,917	223,298	220,772	216,828	214,679
12,160	12,107	12,553	11,659	10,442	10,694
78,676	73,462	69,231	65,166	65,223	70,492
120,706	118,747	116,667	113,684	111,075	112,879
252,574	246,900	241,815	233,251	229,108	234,098
33,320	32,427	31,295	29,495	29,276	29,570
74,965	72,869	69,537	68,391	67,981	71,092
185,121	177,462	167,268	159,420	152,335	149,532
174,309	170,541	163,590	159,210	155,001	150,866
128,086	123,521	118,640	113,512	110,662	110,859
37,604	36,425	35,054	34,090	33,625	34,028
1,328,140	1,290,378	1,248,948	1,208,650	1,181,556	1,188,789
1,431,553	1,418,522	1,376,628	1,353,257	1,362,489	1,382,861
1,377,013	1,355,720	1,302,641	1,261,698	1,252,517	1,275,514
54,540	62,802	73,987	91,559	109,972	107,347
3.80%	4.40%	5.40%	6.80%	8.10%	7.80%

Schedule D–4
Public Education Student Enrollment (K-12)
Last Ten Academic Years

	Academic Year			
	2018–19	**2017–18**	**2016–17**	**2015–16**
Elementary	358,908	358,190	356,686	353,050
Secondary	299,893	294,158	287,790	280,846
Total All Grades	658,801	652,348	644,476	633,896

Source: State of Utah Office of Education

Note: Public Education Student Enrollment count is based on October 1st counts.

Schedule D–5
Public Higher Education Enrollment
Last Ten Academic Years

	Academic Year			
	2019–20	**2018–19**	**2017–18**	**2016–17**
University of Utah	32,852	33,023	32,800	32,061
Utah State University [1]	27,810	27,932	27,679	28,118
Weber State University	29,644	28,247	27,949	26,809
Southern Utah University	11,224	10,196	9,468	8,955
Salt Lake Community College	29,517	29,156	29,620	29,901
Utah Valley University	41,728	39,931	37,282	34,978
Dixie State University	11,193	9,950	9,673	8,993
College of Eastern Utah [1]	—	—	—	—
Snow College	5,383	5,514	5,563	5,350
Utah System of Technical Colleges	20,130	19,418	16,838	17,293
Total All Institutions	209,481	203,367	196,872	192,458

Source: Utah State Board of Regents

Note: Utah Higher Education Enrollment count is based on fall semester third week headcounts.

[1] Includes USU-Eastern (formerly College of Eastern Utah) beginning in academic year 2011–12.

Academic Year					
2014–15	**2013–14**	**2012–13**	**2011–12**	**2010–11**	**2009–10**
349,382	345,967	340,443	334,110	329,111	322,704
272,771	266,584	260,542	253,635	247,134	240,569
622,153	612,551	600,985	587,745	576,245	563,273

Academic Year					
2015–16	**2014–15**	**2013–14**	**2012–13**	**2011–12**	**2010–11**
31,673	31,515	32,080	32,398	31,673	30,833
28,622	27,662	27,812	28,786	28,994	25,767
25,955	26,266	25,301	26,680	25,483	24,126
8,881	7,656	7,745	8,297	7,750	8,024
28,814	29,537	31,137	30,112	33,167	33,983
33,211	31,332	30,564	31,556	33,395	32,670
8,503	8,570	8,350	8,863	9,086	8,755
—	—	—	—	—	2,634
5,111	4,779	4,605	4,599	4,465	4,386
16,933	14,834	14,851	15,418	15,536	18,476
187,703	182,151	182,445	186,709	189,549	189,654

Schedule E–1
Full-Time Equivalent State Employees by Function
Last Ten Fiscal Years

	Fiscal Year			
	2019	**2018**	**2017**	**2016**
General Government:				
Government Operations	2,150	2,122	2,095	2,063
Tax Commission	685	690	690	697
All Other	191	184	185	181
Human Services and Juvenile Justice Services	3,978	4,046	4,113	4,037
Corrections	2,513	2,527	2,453	2,392
Public Safety:				
Department of Public Safety	1,403	1,341	1,333	1,329
Utah National Guard	261	253	247	226
State Courts	1,004	983	986	994
Health and Environmental Quality:				
Department of Health	992	977	954	943
Department of Environmental Quality	358	361	365	367
Employment and Family Services [1, 2]	2,013	2,043	1,989	1,719
Natural Resources	1,355	1,361	1,334	1,320
Heritage and Arts [1]	128	124	126	125
Business, Labor, and Agriculture	796	786	773	767
Education:				
Public Education Support [2]	749	721	816	1,138
Higher Education Support	422	399	274	236
Transportation	1,693	1,638	1,642	1,616
Total Full-time Equivalent State Employees	20,691	20,556	20,375	20,150

Source: Utah Department of Administrative Services, Division of Finance

[1] In fiscal year 2013, Legislative action moved the Housing and Community Development Division from Heritage and Arts to Employment and Family Services.

[2] In fiscal year 2017, Legislative action moved the Utah State Office of Rehabilition from Public Education Support to Employment and Family Services.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
2,055	2,066	2,069	2,024	1,976	2,018
708	715	718	716	719	723
176	166	165	159	152	157
3,942	3,991	3,955	3,907	3,935	4,155
2,307	2,295	2,265	2,244	2,243	2,271
1,324	1,327	1,314	1,275	1,241	1,218
210	218	243	226	214	196
994	1,009	1,031	1,038	1,042	1,068
946	946	933	923	937	950
373	371	376	372	376	384
1,758	1,768	1,872	1,912	2,041	2,066
1,315	1,304	1,304	1,302	1,361	1,350
120	117	117	169	190	193
748	728	722	701	686	691
1,135	1,119	1,119	1,094	1,137	1,170
277	227	213	204	195	171
1,569	1,583	1,603	1,604	1,612	1,637
19,957	19,950	20,019	19,870	20,057	20,418

Schedule E–2
Operating Indicators by Function
Last Ten Fiscal Years

	Fiscal Year			
	2019	**2018**	**2017**	**2016**
General Government				
Government Operations:				
Construction Projects Managed	1,052	1,155	896	910
Tax Commission:				
Percent of Data Managed Electronically	86.00%	84.50%	83.80%	83.20%
Number of Returns Filed Electronically	1,307,267	1,246,011	1,196,647	1,171,287
Motor Vehicle Registrations (in thousands)	2,976	2,950	3,027	2,961
Human Services and Juvenile Justice Services				
Food Stamp Recipients	273,779	298,396	323,768	338,362
Percent of Population	8.52%	9.45%	10.41%	11.09%
Juveniles, Daily Average in Justice System Placement	425	467	604	686
Rate of Recommitment to Juvenile Custody	16.90%	14.90%	9.90%	8.40%
Corrections: [1]				
Incarcerated Offenders	N/A	6,522	6,309	6,298
Supervised Offenders	N/A	17,329	16,855	16,590
Utah Incarceration Rate (per 100,000 population)	N/A	N/A	206	201
US Incarceration Rate (per 100,000 population)	N/A	N/A	440	450
State Courts: [2]				
State Court Filings	284,152	278,392	283,449	288,797
State Court Dispositions	255,926	245,764	262,841	260,952
Health				
Children's Health Insurance Program Enrollment	18,198	19,338	19,248	17,058
Medicaid Eligible (unduplicated)	404,861	404,303	414,519	418,356
Percent of Population	12.60%	12.80%	13.33%	13.71%
Employment and Family Services				
Individuals Registered for Employment	121,759	131,386	150,168	185,347
Percent Who Entered Employment	67.00%	67.00%	73.00%	71.00%
Natural Resources				
Hatchery Fish, Pounds Raised	1,155,821	1,089,720	1,081,766	1,093,205
Hunting and Fishing Licenses Sold [1, 3]	590,111	587,443	582,751	558,893
State Park Visitations (in thousands)	7,424	6,712	5,691	5,176
Business, Labor, and Agriculture				
Department of Commerce:				
Licenses and Registrations Issued [4]	417,172	409,301	387,348	378,478
Department of Agriculture and Food: [1]				
Dairy Farm Inspections	N/A	515	525	533
Pounds of Turkey Inspected and Graded (in thousands)	N/A	108,130	121,106	102,511
Gas Pumps and Scales Inspected	N/A	33,774	30,116	32,486
Higher Education				
Number of Certificates and Degrees Awarded	38,622	37,756	36,701	33,822
Transportation				
Percent of Roads Which are Deficient [5]	N/A	8.60%	9.64%	N/A
Vehicles Weighed or Inspected (in thousands)	8,542	8,116	7,893	5,969

Source: Various agencies of the State and the Utah State Board of Regents.

Note: N/A = Data Not Available

[1] Data is provided on a calendar year basis.

[2] State Courts includes filings and dispositions for the appellate, district, and juvenile courts; it does not include the justice courts which are operated by cities and counties.

[3] Includes only licenses for elk, deer, fishing, and all other big game.

[4] Includes professional, occupational, real estate, and securities licenses. Does not include corporation and other business registrations or filings.

[5] Assessments are completed at a minimum of every other calendar year. See Information About Infrastructure Assets Reported Using The Modified Approach.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
802	1,020	815	849	898	847
81.80%	79.90%	78.10%	75.50%	77.00%	70.50%
1,103,323	1,051,940	997,329	946,606	863,907	777,485
2,846	2,863	2,759	2,725	2,583	2,681
348,459	363,154	389,426	404,316	394,170	363,714
11.65%	12.33%	13.42%	14.16%	14.01%	13.11%
812	922	923	928	946	1,023
7.80%	6.60%	5.90%	6.40%	6.90%	8.30%
6,723	7,113	7,065	6,893	6,812	6,692
13,897	15,307	12,730	12,759	12,906	12,702
215	237	242	242	238	232
458	471	477	492	500	502
305,778	311,187	324,523	329,176	348,548	367,541
273,731	279,903	309,420	309,307	312,953	341,626
15,775	29,953	35,446	37,872	38,498	41,503
415,843	391,139	366,061	361,457	340,805	325,204
13.90%	13.28%	12.62%	12.66%	12.11%	11.72%
215,861	260,138	318,008	351,629	316,703	317,998
66.00%	65.00%	61.00%	59.00%	56.00%	59.00%
1,212,696	1,204,984	1,180,927	1,058,375	1,240,499	1,334,782
585,666	583,460	682,594	659,534	661,239	598,474
4,482	3,741	5,054	5,051	4,821	4,620
355,124	350,416	333,646	325,769	315,238	308,717
560	693	672	678	718	667
79,060	107,833	33,743	45,869	106,016	77,257
32,131	26,612	20,377	20,492	21,499	15,548
32,797	32,491	31,970	31,553	30,199	28,639
10.68%	12.49%	N/A	10.90%	10.90%	14.70%
6,706	7,484	6,071	4,807	4,622	4,686

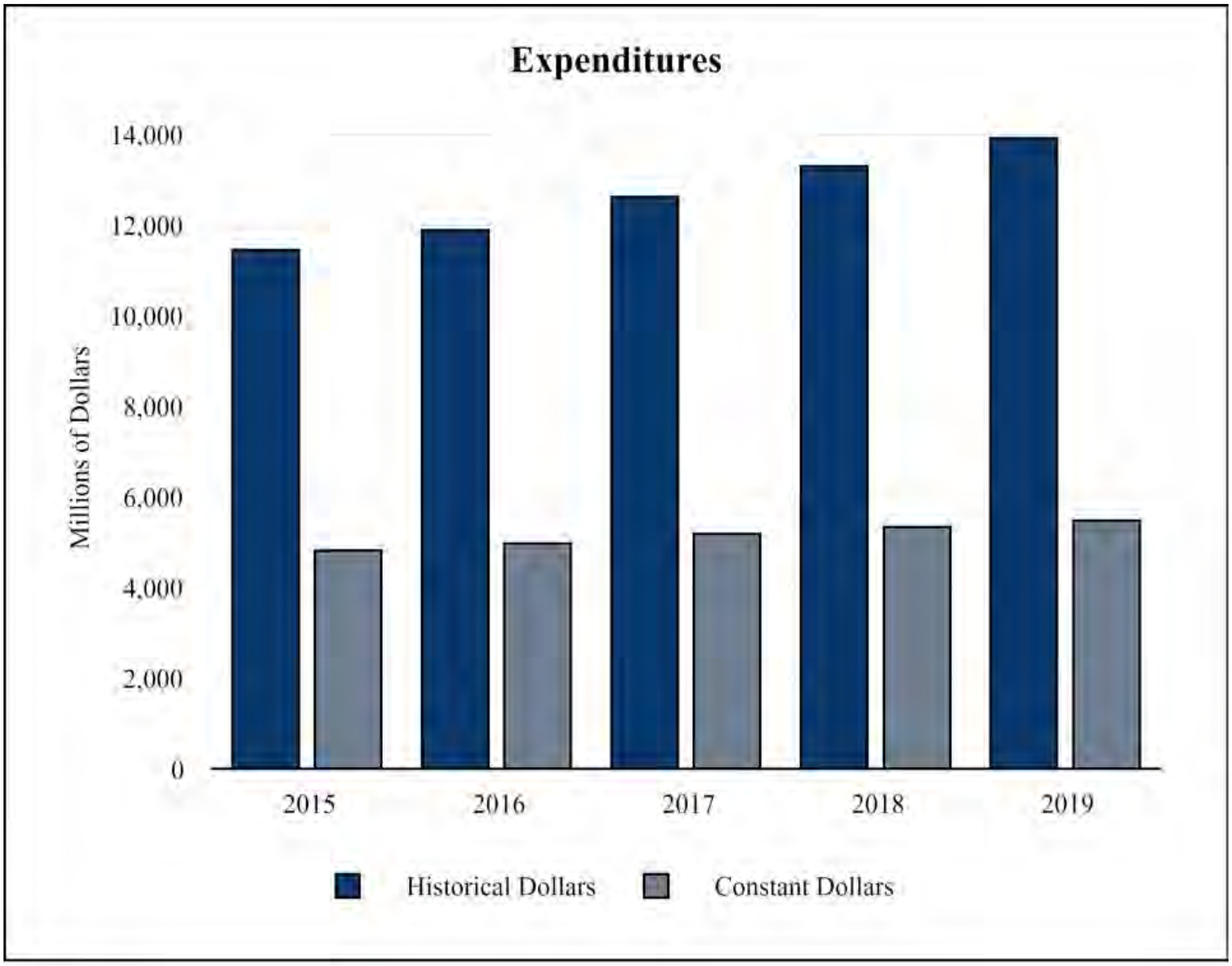
Schedule E–3
Capital Asset Statistics by Function
Last Ten Fiscal Years

	Fiscal Year			
	2019	**2018**	**2017**	**2016**
General Government				
Buildings	332	326	323	319
Vehicles	7,969	7,828	7,732	7,886
Data Processing Equipment and Software	1,315	1,314	1,397	2,428
Reproduction and Printing Equipment	1,133	1,112	1,138	1,140
Human Services and Juvenile Justice Services				
Data Processing Equipment and Software	73	71	68	64
Corrections				
Data Processing Equipment and Software	217	219	220	222
Security and Surveillance Equipment	83	70	75	73
Public Safety				
Department of Public Safety:				
Vehicles	35	35	35	35
Data Processing Equipment and Software	219	208	222	213
Medical and Lab Equipment	208	205	236	220
Utah National Guard:				
Buildings	237	237	237	235
State Courts				
Data Processing Equipment and Software	72	65	60	63
Audio Visual Equipment	134	134	146	150
Health and Environmental Quality				
Department of Health:				
Data Processing Equipment and Software	71	72	69	89
Medical and Lab Equipment	299	287	283	295
Department of Environmental Quality:				
Monitoring and Lab Equipment	555	562	510	448
Employment and Family Services				
Data Processing Equipment and Software	402	393	387	370
Natural Resources				
Division of Parks and Recreation:				
State Parks	44	44	43	43
Buildings	789	785	779	778
Vehicles	359	356	351	344
Division of Wildlife Resources:				
Wildlife Management Areas	92	92	92	92
Fish Hatcheries	12	12	11	11
Buildings	195	192	191	190
Vehicles	229	224	220	214
Business, Labor, and Agriculture				
Data Processing Equipment and Software	115	112	110	101
Monitoring and Lab Equipment	142	143	138	122
Transportation				
Highway Center Line Miles	5,787	5,780	5,880	5,825
Buildings	456	446	442	440
Vehicles	330	1,010	956	931
Heavy Equipment	2,412	2,635	2,602	2,599

Source: Utah Department of Administrative Services, Division of Finance and various agencies of the State.

Fiscal Year					
2015	**2014**	**2013**	**2012**	**2011**	**2010**
315	314	314	311	305	299
7,781	7,524	7,360	7,309	7,323	7,266
2,383	2,931	2,794	2,691	2,541	2,437
1,178	1,209	1,165	1,127	1,065	1,003
64	64	59	52	52	64
220	216	216	216	218	226
69	55	59	67	59	59
34	35	35	35	34	34
204	249	247	230	222	200
207	197	193	187	184	174
229	223	221	215	213	206
63	52	64	64	64	105
151	143	146	145	192	192
112	120	131	127	143	147
291	302	288	303	287	257
433	404	384	376	349	316
365	358	396	389	422	449
43	43	43	43	43	42
756	736	727	722	719	684
340	334	332	332	333	329
92	92	92	92	92	92
12	11	11	11	11	11
183	182	181	180	175	166
209	203	202	201	212	208
114	117	117	102	97	94
118	114	111	111	108	105
5,830	5,719	5,719	5,724	5,772	5,753
423	402	391	387	386	361
904	878	861	844	838	824
2,595	2,593	2,582	2,574	2,549	2,538

Schedule F–1
Expenditures — Historical and Constant Dollars
All Governmental Fund Types
Last Five Fiscal Years

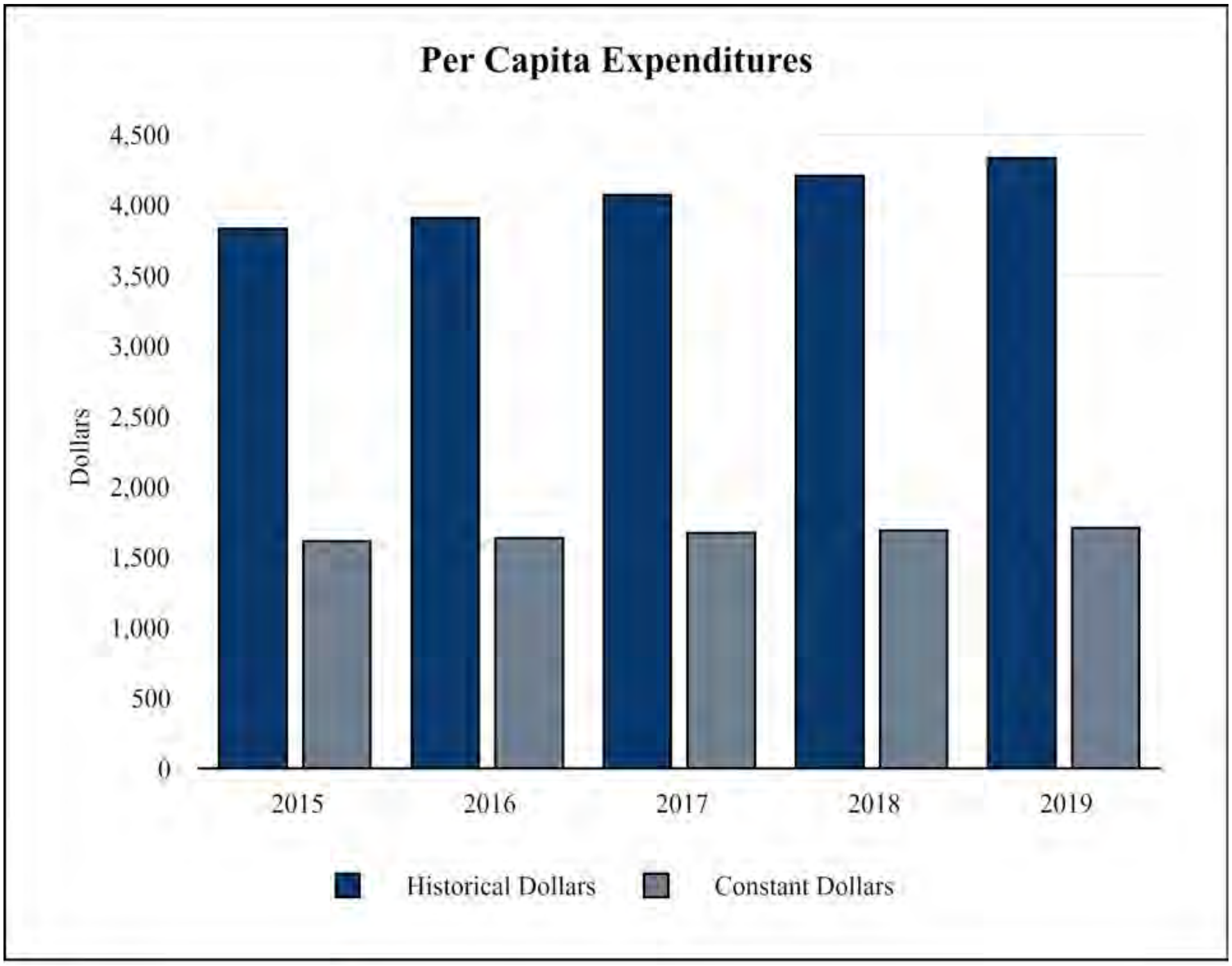


Fiscal Year	Historical Dollars		Constant Dollars	
	(in millions)	Change	(in millions)	Change
2015	$11,482	4.52%	$4,852	3.76%
2016	$11,923	3.84%	$5,004	3.15%
2017	$12,656	6.15%	$5,216	4.23%
2018	$13,332	5.33%	$5,373	3.01%
2019	$13,949	4.63%	$5,508	2.51%

Note: Historical and Constant percentage changes may not be exact due to rounding.

Source: Constant Dollars are derived using the Consumer Price Index for all urban consumers, base year 1982–84 = 100.

Schedule F–2
Per Capita Expenditures — Historical and Constant Dollars
All Governmental Fund Types
Last Five Fiscal Years



Per Capita Expenditures

Fiscal Year	Historical Dollars	Change	Constant Dollars	Change
2015	$3,839	2.91%	$1,622	2.16%
2016	$3,917	2.03%	$1,644	1.35%
2017	$4,079	4.13%	$1,681	2.25%
2018	$4,218	3.40%	$1,700	1.12%
2019	$4,343	2.97%	$1,715	0.88%

Note: Prior year information has been updated with the most recent population data available. Historical and Constant percentage changes may not be exact due to rounding.

Source: Historical Dollars are derived by dividing total expenditures of governmental funds by population data (See Schedule D-1). Constant Dollars are derived using the Consumer Price Index for all urban consumers, base year 1982–84 = 100.

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STATE OF UTAH

Comprehensive Annual Financial Report

Skiing powder near Alta.

2019

FOR THE FISCAL YEAR ENDED JUNE 30, 2019

DAS | Utah Department of Administrative Services

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