

OREGON STATE UNIVERSITY
SINGLE AUDIT REPORT
FOR THE YEAR ENDED JUNE 30, 2018

**OREGON STATE UNIVERSITY
SINGLE AUDIT REPORT
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**INDEPENDENT AUDITORS' 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***

Members of the Board of Trustees
Oregon State University
Corvallis, Oregon

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 business-type activities and the aggregate discretely presented component units of Oregon State University (University), a component unit of the State of Oregon, as of and for the years ended June 30, 2018 and 2017, and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated November 9, 2018. Our report includes a reference to other auditors who audited the financial statements of the Oregon State University Foundation and the Agricultural Research Foundation, which comprise the aggregate discretely presented component units, as described in our report on the University's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors. The financial statements of the aggregate discretely presented component units were not audited in accordance with *Government Auditing Standards*.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University'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 University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University's internal control.

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 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 University's financial statements will not be prevented, or detected and corrected on a timely basis. 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.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's 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 disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

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 result of that testing, and not to provide an opinion on the effectiveness of the University'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 University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



CliftonLarsonAllen LLP

Denver, Colorado
November 9, 2018



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**INDEPENDENT AUDITORS' REPORT ON COMPLIANCE FOR EACH MAJOR
FEDERAL PROGRAM, REPORT ON INTERNAL CONTROL OVER COMPLIANCE, AND
REPORT ON THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
REQUIRED BY THE UNIFORM GUIDANCE**

Members of the Board of Trustees
Oregon State University
Corvallis, Oregon

Report on Compliance for Each Major Federal Program

We have audited Oregon State University's (the University) compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2018. The University's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

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

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of the University'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* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the 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 University'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 opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the University's compliance.

Opinion on Each Major Federal Program

In our opinion, Oregon State University 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 major federal programs for the year ended June 30, 2018.

Report on Internal Control over Compliance

Management of the University 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 University'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 the 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 University's internal control over compliance.

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 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 a 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. *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 merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section 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. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

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 the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

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

We have audited the financial statements of the business-type activities and the aggregate discretely presented component units of the University as of and for the years ended June 30, 2018 and 2017, and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated November 9, 2018, which contained unmodified opinions on those financial statements. Our report includes a reference to other auditors who audited the financial statements of the Oregon State University Foundation and the Agricultural Research Foundation, which comprise the aggregate discretely presented component units, as described in our report on the University's financial statements.

Members of the Board of Trustees
Oregon State University

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the basic 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 basic financial statements. The information has been subjected to the auditing procedures applied 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 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, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the basic financial statements as a whole.

A handwritten signature in cursive script that reads "CliftonLarsonAllen LLP".

CliftonLarsonAllen LLP

Denver, Colorado

December 14, 2018, except for our report on the Schedule of Expenditures of Federal Awards, for which the date is November 9, 2018

Oregon State University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i>	<i>Pass-Through</i>	<i>Pass-Through</i>	<i>Passed through</i>	<i>Total</i>
			<i>Number</i>	<i>Entity</i>	<i>Identifying Number</i>	<i>to Subrecipients</i>	<i>Expenditures</i>
Student Financial Aid							
	Department of Education	Federal Direct Student Loans	84.268			\$ -	\$ 140,881,372
		Federal Pell Grant Program	84.063			-	30,055,226
		Federal Perkins Loan Program Federal Capital Contributions	84.038			-	31,974,686
		Federal Supplemental Educational Opportunity Grants	84.007			-	994,697
		Federal Work-Study Program	84.033			-	898,357
	Total Student Financial Aid Cluster					-	204,804,338
Research and Development							
	Agency for International Development	Aquaculture and Fisheries Collaborative Research Support Program	98.000			2,416,542	4,783,085
		Cooperative Development Program (CDP)	98.002	Arizona State University	15-652	-	10,919
		Cooperative Development Program (CDP)	98.002	Arizona State University	17-242	-	75,049
		Cooperative Development Program (CDP)	98.002	Arizona State University	ASUB00000016	-	15,985
	<i>Agency for International Development Total</i>					2,416,542	4,885,038
	Department of Agriculture	1890 Institution Capacity Building Grants	10.216	Kentucky State University	2018-1959	-	12,225
		1994 Institutions Research Program	10.227	Northwest Indian College	28754	-	19,164
		1994 Institutions Research Program	10.227	Northwest Indian College	28755	-	5,689
		2006 WUI Map: New Methods and Data	10.000			-	(97)
		A Climate Change Assessment of Vegetation, Fire, and Ecosystem Services for Tribal lands in the Pacific Northwest	10.000			-	4,618
		A Field Test of Local Adaptation in Bluebunch Wheatgrass (Pseudoroegneria spicata)	10.000			-	13,843
		A Headwater Stream Multi-Species Inventory of Fish and Amphibians Using Environmental DNA	10.000			-	105,627
		A Machine Vision System for Forest Harvesting Equipment: Individual Tree Detection, Measurement, and Localization Using Stereoscopy and Digital Image Processing	10.000			-	42,077
		Adapting to Revenue Changes Due to Declines in Timber Harvest: A Case Study in Oregon	10.000			-	22,202
		Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations	10.250			-	35,900
		Agricultural Market and Economic Research	10.290	Columbia University	2(GG012574)	-	12,936
		Agricultural Research_Basic and Applied Research	10.001	Brigham Young University	15-0453	-	(256)
		Agricultural Research_Basic and Applied Research	10.001	University of Nebraska	25-6235-0275-004	-	3,181
		Agricultural Research_Basic and Applied Research	10.001	USDA - Ag Research Service	59-5082-6-001	-	1,748
		Agricultural Research_Basic and Applied Research	10.001	USDA - Ag Research Service	59-8062-7-005	-	65,081
		Agricultural Research_Basic and Applied Research	10.001	Washington State University	132740_G003799	-	3,974
		Agricultural Research_Basic and Applied Research	10.001			91,534	2,610,218
		Agriculture and Food Research Initiative (AFRI)	10.310	Colorado State University	G-91600-7	-	91,204
		Agriculture and Food Research Initiative (AFRI)	10.310	Cornell University	71408-10920	-	24,416
		Agriculture and Food Research Initiative (AFRI)	10.310	Michigan State University	RC105883OR	-	25,981
		Agriculture and Food Research Initiative (AFRI)	10.310	North Carolina Agricultural and Technical State University	240846A	-	96,342
		Agriculture and Food Research Initiative (AFRI)	10.310	North Carolina State University	2015-0097-09	-	36,469

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i>	<i>Pass-Through Entity</i>	<i>Pass-Through Identifying Number</i>	<i>Passed through to Subrecipients</i>	<i>Total Expenditures</i>
				Oregon Health & Science			
		Agriculture and Food Research Initiative (AFRI)	10.310	University	1002187_OSU	-	8,909
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Arkansas	UA AES 0402-82678-02	-	61,270
		Agriculture and Food Research Initiative (AFRI)	10.310	University of California, Davis	200912493-02	-	(756)
		Agriculture and Food Research Initiative (AFRI)	10.310	University of California, Davis	201503531-02	-	32,386
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Delaware	25866	-	13
					BDK640-SB-001 / PO		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	P0045056	5,738	33,076
					BJKL03-SB-001 / PO		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	PA031110	-	13,749
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	BJKP55-SB-001	-	25,135
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Maryland	Z5775004	-	70,457
					28069 SUB51557		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Vermont	Oregon	-	(98,495)
					UWSC 6362 / BPO 6217		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Washington	(729759)	-	280,453
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Wisconsin	583K284	-	98,409
		Agriculture and Food Research Initiative (AFRI)	10.310	Virginia Tech	422190-19201	-	(2,852)
		Agriculture and Food Research Initiative (AFRI)	10.310	Washington State University	122925 G003378	-	133,500
		Agriculture and Food Research Initiative (AFRI)	10.310			886,250	4,771,198
		Alfalfa and Forage Research Program	10.330	Washington State University	131889-G003802	-	3,285
		Amenity migration and public lands in the western U.S.	10.000			-	26,316
		Amphibian Disease Ecology: Context Matters	10.000			-	2,399
		Amphibian Pathogens: Patterns of Occurrence and Infectivity	10.000			-	52,649
		An Analysis of Potential Water Use and Water Quality Impacts on Upper Coastal Plain Watersheds under Intensive Woody Biofuel Management	10.000			-	48,382
		An Analysis of Potential Water Use and Water Quality Impacts on Upper Coastal Plain Watersheds under Intensive Woody Biofuel Management	10.000			-	4,255
		Analysis of Demographic Rates of Northern Spotted Owls: A Meta-Analysis Workshop.	10.000			-	13,192
		Analysis of Forest Service Inventory Data from Forested Habitats Across the USA	10.000			-	90,527
		Analysis of Private Timber Harvesting in NWFP Region Using Remote-Sensed Data	10.000			-	35,715
		Analyzing Wildfire Transmission Networks to Facilitate Prioritization of Fuel Management Activities for Accelerated Restoration.	10.000			-	(665)
		Animal Health and Disease Research	10.207			-	57,135
		Annual Variation in Abundance of Small Mammals on the H. J. Andrews Experimental Forest, Oregon	10.000			-	64,070
		Approaches to Assessing Climate Vulnerability of PNW Forest Ecosystems	10.000			-	48,748
		Are Plant Pathogens Entering Nurseries from Wildland Forests? Are Native Plant Nurseries Serving as Pathogen Gateways?	10.000			-	26,727

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i> <i>Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through</i> <i>Identifying Number</i>	<i>Passed through</i> <i>to Subrecipients</i>	<i>Total</i> <i>Expenditures</i>
		Assessing and Addressing Effects of Forest Management on Pacific Marten Habitat in Western Forests	10.000			-	50,071
		Assessing Fuel Management Strategies to Reduce Landscape-Level Wildfire Risk and Transmission	10.000			-	63,300
		Assessing Multiple Stressors to Western Landscapes	10.000			-	31,296
		Biotechnology Risk Assessment Research	10.219			-	63,498
		Black Stain Root Disease: An Emerging Threat to Young Douglas-Fir Forests in the Oregon Coast Range	10.000			-	9,922
		BLM-OSU Riparian Thinning and Stream Ecosystem Structure Collaboration: Preliminary Data Collection	10.000			-	29,641
		Center for Intensive Planted-Forest Silviculture (CIPS)	10.000			-	45,002
		Chemistry of Streams and Precipitation at the H.J. Andrews Experimental Forest	10.000			-	72,676
		Climate Change Effects on Coastal Riverscapes in Oregon	10.000			-	17,801
		Collaboration for Improving Species Identification and Developing Genomic Resources for Cedrele Odorata	10.000			-	52,910
		Comparison and Quality Assessment of Stream Layer Products	10.000			-	10,836
		Consumer Data and Nutrition Research	10.253			-	13,431
		Continued Development of and Analysis with the Forestry Sector and Bioenergy Components of FASOM-GHG	10.000			33,583	33,583
		Contribution of Outdoor Recreation Activity to Social and Economic Conditions in Local Communities	10.000			-	8,827
		Cooperative Forestry Assistance	10.664	Oregon Dept of Forestry	2015-1128	-	8,379
		Cooperative Forestry Assistance	10.664	Oregon Dept of Forestry	2015-1140	-	(10)
		Cooperative Forestry Assistance	10.664	U.S. Endowment for Forestry & Communities, Inc.	P3-11	-	(914)
		Cooperative Forestry Assistance	10.664	U.S. Endowment for Forestry & Communities, Inc.	P3-4	-	89,844
		Cooperative Forestry Research	10.202			4,605	1,306,181
		Critical Zone Science along the Pacific Coastal Margin	10.000			-	6,884
		Crop Insurance	10.450			-	2,244,692
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California Agriculture & Natural Resources	SA14-2309-03	-	3,066
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California Agriculture & Natural Resources	SA14-2309-05	-	7,962
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California Agriculture & Natural Resources	SA14-2309-37	-	28,053
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California, Davis	SA14-2309-01	-	77,430
		Crop Protection and Pest Management Competitive Grants Program	10.329			33,473	37,442
		Decomposition Rates to Empirically Model the Stores of Dead Trees	10.000			-	-
		Demography of Northern Spotted Owls in Oregon and Washington	10.000			-	942,971
		Design for Mobile Anchors in Logging Systems: Field Verification and Dissemination	10.000			-	35

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through Identifying Number</i>	<i>Passed through to Subrecipients</i>	<i>Total Expenditures</i>
		Developing a Wilderness Character Monitoring Protocol for the US Forest Service	10.000			-	1,248
		Pacific Northwest to Identify Forested Watersheds at Risk and Develop Adaptation Strategies to Protect Forests: A Literature Review	10.000			-	15,808
		Developing Habitat Effectiveness Models for Cattle	10.000			-	(675)
		Developing Oregon's Christmas Tree Seed Capacity to Meet Consumer Demands	10.000	Oregon Dept of Agriculture	ODA-3933-GR	-	34,363
		Digitizing Critical Records of Program Development	10.000			-	14,987
		Dry Farming Collaborative Participatory Research and Decision-Making tools, Information Sharing Platforms, and Resource Development	10.000			3,750	32,446
		Early Seral Synthesis	10.000			-	5,003
		Early-seral habitat changes in public and private forestlands in western Oregon and Washington	10.000			-	24,856
		Ecology and Management of Mammalian Prey in the Pacific Northwest	10.000			-	18,036
		Economic value and subjective well-being: Complementary approaches for valuing ecosystem services	10.000			-	12,936
		Ecosystem Processes and Productivity: Biomass and nutrient cycling in the Pacific Northwest	10.000			-	5,485
		Effect of seed sources and test site planting environment on foliage diseases and other damage agents in a Douglas-fir reciprocal transplant study	10.000			-	300
		Enhancements to the USDA Forest Service National Lichens & Air Quality Database and Clearinghouse Website	10.000			-	11,081
		Enhancing Landslide Inventorying using LiDAR USFS Landslide Inventorying Tools using LiDAR and GIS	10.000			-	60,849
		Enhancing long term research and data management at the H.J. Andrews Experimental Forest	10.000			-	114,963
		Environmental Quality Incentives Program	10.912	University of Hawaii	MA150011	-	16,325
		Envisioning the Future of Oregon's Forests	10.000	Portland State University	204ALL442	-	(430)
		Establish a new phosphorous acid MRL for U.S. blueberry exports to the EU	10.000	University of California, Davis	201700387-03-OSU-DeFrancesco	-	11,961
		Estimation of biomass for common individual shrubs in northeastern California	10.000			-	1,608
		Evaluating downscaled climate data and vegetation models at regional scales	10.000			-	102,275
		Evaluating Forest Collaboratives as a Model of Natural Resource Governance	10.000			-	16,606
		Evaluating stand thinning as a means to mitigate drought: The influence of topography	10.000			-	6,405
		Evaluating the impacts of Douglas-fir competition on the physiological processes of Oregon white oak	10.000			-	7,073

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i> <i>Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through</i> <i>Identifying Number</i>	<i>Passed through</i> <i>to Subrecipients</i>	<i>Total</i> <i>Expenditures</i>
		Examining the resilience and well-being constraints of rural households in Oregon's Northwest Forest Plan region, and implications for the Forest Service strategic objective of providing benefits to the public	10.000			-	38,135
		Exotic species invasion dynamics in eastern Oregon and the Blue Mountain Ecoregion (BME)	10.000			-	28,539
		Exploring New Approaches to Evaluating the Suitability of Federal Lands for Grazing in Eastern Oregon	10.000			-	258
		Federal Cooperators Wood-Based Composite Center	10.000			-	1,069
		Field Evaluation of Biofilms that reduce water usage in some specialty fruit crops	10.000	Oregon Dept of Agriculture	ODA-3932-GR	-	80,330
		Fire history in central Oregon: role of landscape heterogeneity and application to current management	10.000			-	19,785
		Fitting Biomass Equations for Pacific Northwest Tree Species	10.000			-	4,136
		Food Web Structure in Freshwaters	10.000			-	24,643
		Forest Health Protection	10.680			-	81,509
		Forestry Research	10.652			-	32,823
		Go Big or Go Home? Tools and Processes for Scaling up Collaborative Forest Restoration	10.000			-	89
		Grants for Agricultural Research, Special Research Grants	10.200	Rutgers, The State University of New Jersey	5769-FB-Johnson	-	3
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	2014025878-16-OSU-DeFran-OHort	-	(13)
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	201402878-17-OSU-Pscheid-OHort	-	4
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	201502587-05-OSU-DeFranc-FoodU	-	71,063
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	201502587-14-OSU-DeFrances-ECS	-	(264)
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	201502587-19-OSU-DeFrancesc-OH	-	(252)
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	201502587-32-OSU-Johnson-BIO	-	(6)
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S007	-	3,990
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S008	-	2,626
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S009	-	5,343
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S010	-	6,650
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S011	-	99,199
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S013	-	777
		Grants for Agricultural Research, Special Research Grants	10.200	University of Idaho	BJKP36-SB-002 / PO P0054823	-	7,089
		Grants for Agricultural Research, Special Research Grants	10.200	University of Washington	UWSC8941 / BPO 14206	-	4,838
		Grants for Agricultural Research, Special Research Grants	10.200	University of Washington	UWSC9743/BPO 22897	-	99,224
		Grants for Agricultural Research, Special Research Grants	10.200	Washington State University	105577_G003395	-	3,818
		Grants for Agricultural Research, Special Research Grants	10.200	Washington State University	105577_G003659	-	283,687

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i> <i>Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through</i> <i>Identifying Number</i>	<i>Passed through</i> <i>to Subrecipients</i>	<i>Total</i> <i>Expenditures</i>
		Grants for Agricultural Research, Special Research Grants	10.200			-	123,669
		Higher Education Graduate Fellowships Grant Program	10.210			-	174,387
		Homeland Security_Agricultural	10.304	University of California, Davis	201603794-03	-	38,892
		Identifying Barriers of Diversity and Inclusion in Forestry	10.000			-	15,970
		Implementing Meadow Creek Cattle Grazing Practices to Evaluate Compatibility with Recovery of Threatened Salmonids	10.000			-	1,123
		Implementing Prevention and Avoidance for Mummy Berry Disease in Blueberries	10.000	Northwest Center for Alternatives to Pesticides	01-12-OSU	-	40
		Improving Biomass Equations for West Coast Tree Species	10.000			-	186,358
		Improving Management Strategies to Reduce Damage by Forest and Aquatic Mammals	10.000			-	(1)
		Influence of Landscape Disturbance on Opportunities to Achieve Land and Fire Management Objectives	10.000			-	134,462
		Integrated Programs	10.303	University of Minnesota	H003693401	-	2,396
		Integrated Programs	10.303	Washington State University	121310_G003263	-	23,769
		Integrated Programs	10.303			2,036	222,568
		Interactions Among Consumers and Stream Functional Processes in the Pacific Northwest: Scaling Responses from Patches to Watersheds	10.000			-	4,884
		International Forestry Programs	10.684			-	48,722
		Interpreting hydro-geomorphic responses of streams and landscapes to climate change: new management options and tools	10.000			-	26,537
		Investigating the effects of mixed-severity wildfires on fisher population dynamics in northern California and southern Oregon	10.000			-	15,000
		Landscape Assessment	10.000			-	199,721
		LandTrendr for the PNW NASA CMS Project	10.000			-	20,061
		Land-use history in Hells Canyon National Recreation Area	10.000			-	(482)
		Lentic to Lotic: Effects of increased reservoir drawdown on resource dynamics in Willamette Basin Reservoirs and implications for salmonid rearing capacity	10.000			-	23,499
		Lessons Learned from Public Investment in Local and Regional Meat and Poultry Processing	10.000			-	20,270
		Lichen and Bryophyte Indicators and Roles in Forests	10.000			-	16,389
		Lidar- and Phodar- based modeling of stand structure attributes, biomass, and fuels	10.000			-	41,621
		Lidar for selecting stands for thinning and tree-lists	10.000			-	86,348
		Lobert and East Hills Private Land Forest Inventory	10.000			-	40,504
		Long-term effects of restoration fire and thinning on soil fungi, fine root biomass, and duff levels	10.000			-	11,363
		Long-term Studies of Vegetation Dynamics in the Pacific Northwest	10.000			-	122,152
		Mapping and identification of sources of lead hotspots in Portland, OR using istope and analysis of moss	10.000			-	59,258
		Mapping and Understanding the Ventenata Invasion in the Blue Mountain Ecoregion	10.000			-	61,091
		Mapping Biomass from 1984-2014 Across the Pacific Northwest from LandTrendr Products	10.000			-	7,211

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
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For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i> <i>Number</i>	<i>Pass-Through</i> <i>Entity</i>	<i>Pass-Through</i> <i>Identifying Number</i>	<i>Passed through</i> <i>to Subrecipients</i>	<i>Total</i> <i>Expenditures</i>
		MCH: Development of a Novel Formulation for Tree Protection and Assessment of Ecological Risks to Forest Pollinators	10.000			-	29,520
		Meadow Creek Pollinator Monitoring - Assessing Responses of Native Bees to Stream Restoration and Ungulate Grazing	10.000			-	23,225
		Meadow Creek Restoration Monitoring - Assessing Impacts of Climate Change, Grazing, and Restoration Treatments on Vertebrates, Invertebrates, and Vegetation	10.000			-	136,101
		Meta-Analysis of Douglas-Fir Provenance Tests to Estimate Responses to Seed Transfer and Climate Change	10.000			-	48,834
		Microbiological Quality of Agricultural Water on Oregon's Vegetable and Berry Farm	10.000	Oregon Dept of Agriculture	ODA-3934-GR	-	82,118
		Mortality and Regeneration of Western Tree Species - Forests at the Fringe	10.000			-	32,101
		Multidecadal Forest Vegetation and Change Assessment Over Regional Landscapes	10.000			-	197,082
		National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	10.328	University of Idaho	BLK246-SB-001	-	12,436
		North American Bat Monitoring Program (NABat) USFS R6 Coordination and Support	10.000			-	1,077
		Northwest Fire Science Consortium	10.000			-	140,844
		Northwest Tree Improvement Cooperative	10.000			-	74,190
		Operational Feasibility Analysis for Cable-Assisted Logging Systems: Equipment Stability and Soil Disturbance	10.000			-	75,985
		Optimization of multi-species monitoring technique	10.000			-	24,706
		Oregon Bee Pilot Project Research	10.000	Oregon Dept of Agriculture	ODA-3976-IG	-	20,000
		Oregon Explorer Western Wildlife Risk Assessment and Community Wildfire Protection Planning	10.000	Oregon Dept of Forestry	2015-1548	-	36,444
		Organic Agriculture Research and Extension Initiative	10.307	Cornell University	67385-9952	-	(44)
		Organic Agriculture Research and Extension Initiative	10.307	Purdue University	8000064231-AG	-	33,184
		Organic Agriculture Research and Extension Initiative	10.307			337,131	673,567
		OSU and SNF Cultural Resource Five-Year Internship Program	10.000			-	4,861
		P3Nano Rebudget	10.000	Purdue University	8000072326-AG	-	39,300
		Pacific Northwest Terrestrial Ecological Unit Inventory: Landtype Association User Guide and Soil Resource Inventory Attribute Development	10.000			-	20,534
		Partnership Agreements	10.699			-	69,764
		Payments to Agricultural Experiment Stations Under the Hatch Act	10.203			-	3,856,024
		Phytophthora Species Diagnostics	10.000			-	194,104
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	Virginia Tech	422485-19201	-	8,146
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	Virginia Tech	422603-19201	-	27,219
		Plant and Animal Disease, Pest Control, and Animal Care	10.025			-	398,046
		Plant Materials for Conservation	10.905			-	31,995
		PNW Climate Hub Outreach Project	10.000			-	48,638
		Post-fire response to forest management: Mitigation for improved water quality performance	10.000			-	37,979

See accompanying Notes to Schedule of Expenditures of Federal Awards.

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i>	<i>Pass-Through Entity</i>	<i>Pass-Through</i>	<i>Passed through</i>	<i>Total</i>
			<i>Number</i>		<i>Identifying Number</i>	<i>to Subrecipients</i>	<i>Expenditures</i>
		Potassium phosphite MRL for U.S. caneberry exports to the EU	10.000	University of California, Davis	201700386-04-Oregon State-DeFr	-	18,000
		Regional assessment of biochar soil amendments on crop productivity, drought resilience, and carbon sequestration	10.000			-	19,998
		Regional Carbon Models from Linking Field Measurements and Satellite Change Detection	10.000			-	(2)
		RPA Land-Use Modeling	10.000			-	2,927
		Sagebrush Steppe Monitoring Study	10.000			-	72,382
		Salmon responses to shifts in hydrology due to climate change	10.000			-	7,637
		Seed Increase of Great Basin Native Forbs and Grasses for Restoration Research Projects	10.000			-	24,774
		Seed production of Great Basin native forbs --- Stable, efficient native forb seed production using small amounts of supplemental irrigation water; and seeding practices. Seed production of bluebunch wheatgrass.	10.000			-	22,537
		Siuslaw National Forest Recreation Study and Analysis Project	10.000			-	1,312
		Small Business Innovation Research	10.212	Intralix Inc	2015-33610-23952-1	-	88,900
		Small Business Innovation Research	10.212	K2 BioMicrosystems LLC	FY18-693	-	526
		Social Vulnerability to Wildland Fire: Developing and Validating a Fine-Scale Index	10.000			-	(11,970)
		Socioeconomic Aspects of Beaver Management for Rangeland Restoration	10.000			-	13,302
		Soil and Water Conservation	10.902	Pheasants Forever Inc	SGI 2.0-16-17	8,644	89,727
		Soil and Water Conservation	10.902			-	393,371
		Soil Survey	10.903			-	10,098
		Southern Blues CFLRP Forest Vegetation and Fuels Multi-Party Monitoring Program	10.000			-	110,411
		Southern Blues CFLRP Forest Vegetation and Fuels Multi-Party Monitoring Program - Modification #4	10.000			-	1,542
		Spatial copula modeling of forest inventory variables	10.000			-	18,979
		Spatial Ecology and Survival of Small Carnivores and Small Mammals in the H.J. Andrews Experimental Forest, Oregon	10.000			-	46,821
		Spatial effects of multifunctionality in Douglas-fir beetle pheromone MCH	10.000			-	1,314
		Spatial Monitoring of Forest Conditions Over Regional Landscapes	10.000			-	137
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept of Agriculture	ODA 3518 GR	-	(60)
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept of Agriculture	ODA-3693-GR / PCA 20395	-	47,195
		Specialty Crop Research Initiative	10.309	Citrus Research & Development Foundation, Inc	13-011NU-790	-	18,118
		Specialty Crop Research Initiative	10.309	Clemson University	1766-207-2020386	-	269,990
		Specialty Crop Research Initiative	10.309	Colorado State University	G-01363-06	-	6,602
		Specialty Crop Research Initiative	10.309	Cornell University	73999-10418	-	71,221
		Specialty Crop Research Initiative	10.309	Cornell University	79598-10785	-	19,087
		Specialty Crop Research Initiative	10.309	Michigan State University	RC102039B	-	6,672
		Specialty Crop Research Initiative	10.309	North Carolina State University	2016-0228-02	-	266,125

See accompanying Notes to Schedule of Expenditures of Federal Awards.

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Specialty Crop Research Initiative	10.309	North Carolina State University	2017-0398-16	-	119,841
		Specialty Crop Research Initiative	10.309	University of Georgia	SUB00000426	-	4,873
		Specialty Crop Research Initiative	10.309	University of Minnesota	H006335005	-	25,286
		Specialty Crop Research Initiative	10.309	Washington State University	123535_G003385	-	292,090
		Specialty Crop Research Initiative	10.309	Washington State University	125970-G003493	-	119,372
		Specialty Crop Research Initiative	10.309			362,220	1,204,228
		Strengthen Underwriting and Oversight Activities Using PRISM					
		Spatial Climate Data Sets	10.000			-	(896)
		Sun Grant Program	10.320	South Dakota State University	3TB640	107,771	236,470
		Sun Grant Program	10.320			105,159	127,338
		Support for the H.J. Andrews Experimental Forest Field Station	10.000			-	12,671
		Support for the Landscape Change Monitoring System	10.000			-	115,042
		Supporting "Climate-Smart Ranching" in NE Oregon with a Community-Based Observing Network (CBON)	10.000			-	45,291
		Survey and monitoring of fishers in Oregon	10.000			-	75,925
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867025-212	-	22
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867028-300	-	108,876
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867030-265	-	1,663
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867031	-	7,909
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-168	-	88,821
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-177	-	70,680
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-178	-	40,843
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-180	-	11,630
		Sustainable Agriculture Research and Education	10.215	Utah State University	200592-383	-	13,665
		Sustainable Agriculture Research and Education	10.215	Utah State University	200592-443	-	3,099
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-516	-	4,591
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-549	-	8,256
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-555	-	39,758
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-576	-	4,154
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-581	-	9,033
		Sustainable Agriculture Research and Education	10.215			-	14,715
		Sustainable and Thriving Environments of West African Regional Development	10.000			-	977
		Swiss Needle Cast Detection with a low cost Unmanned Aerial System	10.000			-	9,057
		Technical Assistance for Specialty Crops Program	10.604	University of California, Davis	A16-0082-S004	-	26,470
		Testing of Cellulose Nanoparticles in Cementitious Composites	10.000	U.S. Endowment for Forestry & Communities, Inc.	E16-52	-	49,999
		Tradeoffs Among Carbon and Other Ecosystem Services in Oregon	10.000			-	9,045
		Two "new" Needle Diseases of Conifers in the Pacific Northwest Region Caused by Phytophthora (Red Needle Cast) and Rhizoctonia (Web Blight)	10.000			-	21,182
		Understanding and Improving Honey Bee Nutrition to Mitigate Colony Losses	10.000	Project Apis m.	2018-2149	-	31,000
		Understanding How Management Influences Production of Juvenile Steelhead and Rainbow Trout	10.000			-	84,011

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through Identifying Number</i>	<i>Passed through to Subrecipients</i>	<i>Total Expenditures</i>
		Understanding the Mediating Political, Economic and Social Forces Creating Exurban Residential Environments and Patterns of Outdoor Recreation	10.000			-	5,994
		Understanding the role and cost of NEPA in Forest Service project planning	10.000			-	9,736
		Understanding the role of fire refugia in promoting forest ecosystem resilience	10.000			-	50,347
		Using an Agent-based Model to Evaluate Landscape Restoration Scenarios	10.000			-	104,220
		Using lidar to select stands for thinning for the Umpqua and Willamette NF	10.000			-	19,398
		Using the new verbenone antiaggregant formulation "SPLAT" to protect whitebark pine from mountain pine beetle infestatio	10.000			-	637
		VAR-FED Hardwoods Silviculture Res	10.000			-	34,603
		VAR-FED Swiss Needle Cast Cooperatv	10.000			-	25,113
		VAR-FED Tree Improvement Research	10.000			-	10,004
		Vegetation dynamics following high severity wildfires and the long- term impacts of emergency slope stabilization	10.000			-	41,943
		Verde River Flows and Aquatic Invertebrates	10.000			-	53,140
		Water availability in western Oregon headwaters: effects of density management and riparian buffers	10.000			-	53,950
		Watersheds Research Coop - Federal Cooperators	10.000			-	3,056
		Wildfire risk assessments for the Inland West	10.000			-	119,001
		Wildland fire managers' use of fire weather data in strategic and tactical decision-making across the United States: a combined fire modeling and social science-based analysis	10.000			-	72,654
		Wildlife Services	10.028			-	104,474
				U.S. Endowment for Forestry & Communities, Inc.			
		Wood Utilization Assistance	10.674		E17-25	-	81,469
		Wood Utilization Assistance	10.674			12,885	90,135
		Woody Plants traits as predictors of resilience to environmental stres	10.000			-	825
		Working Group for Advancement of Cellulose Nano-materials Use in Cement Based Materials	10.000		U.S. Endowment for Forestry & Communities, Inc. E18-12	-	3,286
				U.S. Endowment for Forestry & Communities, Inc.			
		Yreka Study	10.000		E16-13	-	33,659
						1,994,779	29,497,205

Department of Agriculture Total

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures	
			Number	Pass-Through Entity				
Department of Commerce		Arctic Integrated Ecosystem Survey (IES) Phase II Upper Trophic Level	11.000	North Pacific Research Board	A93-01a	-	3,371	
		Arrangements for Interdisciplinary Research Infrastructure	11.619	Colorado State University	G-00745-8	-	239,429	
		Assessing effects of developmental exposure to PCBs on zebrafish	11.000	Abt Associates	48864	-	8,886	
		Center for Sponsored Coastal Ocean Research_Coastal Ocean Program	11.478	George Mason University	E2039521	-	89,006	
		Center for Sponsored Coastal Ocean Research_Coastal Ocean Program	11.478	University of Miami	S1503	-	95,229	
		Center for Sponsored Coastal Ocean Research_Coastal Ocean Program	11.478				46,195	378,770
		Climate and Atmospheric Research	11.431				209,042	1,312,260
		Cluster Grants	11.020				-	150,962
		Coastal Zone Management Administration Awards	11.419	University of North Carolina - Wilmington	577280-18-01	-	-	1,811
		Coastal Zone Management Administration Awards	11.419	University of Oregon	290130B	-	-	18,660
				Oregon Watershed				
		Columbia River Fisheries Development Program	11.436	Enhancement Board	212-920-12708	-	-	39,558
		Educational Partnership Program	11.481	University of Maryland Eastern Shore	NA11SEC481 Year 5 / PO 17716	-	-	(1,023)
		Enhancing coastal zone policy, management, and research through end user-driven quantification and public dissemination of carbon stocks data for Pacific Northwest tidal wetlands	11.000	Institute for Applied Ecology	3004281942-001	-	-	119,614
		Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program	11.427	Confluence Environmental Company	2017-779	-	-	27,900
		Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program	11.427	Hubbs-SeaWorld Research Institute	2016-1112	-	-	73,797
		Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program	11.427	Pacific Shellfish Institute	OSU-Nash SK Eelgrass 2015-2017	-	-	14,813
		Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program	11.427			-	-	141,980
		Geodetic Surveys and Services (Geodesy and Applications of the National Geodetic Reference System)	11.400	University of New Hampshire	17-035	-	-	78,051
		Habitat Conservation	11.463			-	-	15,410
				Monterey Bay Aquarium				
		Integrated Ocean Observing System (IOOS)	11.012	Research Institute	1611121	-	-	17,679
		Integrated Ocean Observing System (IOOS)	11.012	Southeastern Universities Research Association	2013-011	-	-	80,464
		Integrated Ocean Observing System (IOOS)	11.012	University of Washington	UWSC6350 / BPO5105 (730279)	-	-	(392)
		Integrated Ocean Observing System (IOOS)	11.012	University of Washington	UWSC7800 / BPO5119 (762841)	-	-	96,475
		Integrated Ocean Observing System (IOOS)	11.012	University of Washington	UWSC9206 / BPO 16539	-	-	972,373
		Living Marine Resources Cooperative Science Center at OSU	11.000	University of Maryland Eastern Shore	NA16SEC4810007 / Year 1	-	-	102,085

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		Living Marine Resources Cooperative Science Center at OSU	11.000	University of Maryland Eastern Shore	NA16SEC4810007 / Year 2	-	38,616
		Marine Mammal Data Program	11.439			-	98,854
		Measurement and Engineering Research and Standards	11.609	University of Alabama, Huntsville	2017-081	-	41,364
		Measurement and Engineering Research and Standards	11.609			-	87,421
		National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432	University of Maryland	18171-Z7813007	-	77,909
		National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432	Woods Hole Oceanographic Institution	A101363	-	19,949
		National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432			99,305	2,925,364
		NOAA Groundfish Observer Program - Seabirds	11.000			-	1,500
		NOAA NEWPORT OPERATION AND MAINTENANCE	11.000			-	575,445
		NPRB 2015 Graduate Research Award	11.000	North Pacific Research Board	Not Available	-	4
		Ocean Acidification Program (OAP)	11.017			5,394	172,917
		Ocean Exploration	11.011			-	73,345
		Oregon Sea Grant Summer Scholars - DLCD 2017	11.000	Oregon Dept of Land Conservation & Development	15055	-	1,000
		Pacific Coast Salmon Recovery_Pacific Salmon Treaty Program	11.438	MidCoast Watersheds Council	2016-1427	-	6,757
		Pacific Coast Salmon Recovery_Pacific Salmon Treaty Program	11.438	Oregon Watershed Enhancement Board	217-8500-14090	-	18,350
		Production of Mean Annual Maximum Precipitation Grids Using a Specifically Optimized PRISM System	11.000			-	67,754
		Sea Grant Support	11.417	University of Oregon	2409U0A	-	24,220
		Sea Grant Support	11.417			316,188	1,547,887
		Technical Support of NOAA-NMFS Moored Asset Deployment and Recovery	11.000			-	5,935
		Unallied Science Program	11.472	EcoNorth	2017-710	-	21,130
		Unallied Science Program	11.472	North Pacific Research Board	1403	-	24,056
		Unallied Science Program	11.472	North Pacific Research Board	1405	-	32,307
		Unallied Science Program	11.472	North Pacific Research Board	1418	-	9,370
		Unallied Science Program	11.472	North Pacific Research Board	1505	-	140,511
		Unallied Science Program	11.472	North Pacific Research Board	1512	-	3,315
		Unallied Science Program	11.472	North Pacific Research Board	1533	-	22,838
		Unallied Science Program	11.472	North Pacific Research Board	1723	-	38,496
		Unallied Science Program	11.472	North Pacific Research Board	A93-01b	-	53,697
		Unallied Science Program	11.472	North Pacific Research Board	A99-01	-	38,060
		Unallied Science Program	11.472			-	49,386
		Department of Commerce Total				676,125	10,294,925

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			Number	Pass-Through Entity				
Department of Defense		2017 Charter Party Agreement with ADH Environmental for Shiptime on R/V Oceanus	12.000	ADH Environmental	ADH MTCA FY18	-	172,782	
		A Range Segment Upgrade for Air Force Satellite Control Network with Smart Antennas and Cognitive Satellite Radios	12.000	InfoBeyond Technology LLC	2015-1399	-	2,009	
		Adult Salmonids Trap and Transport Success Above Dams	12.000			56,233	573,811	
		Advanced Ceramic High Speed and High Voltage Capacitors	12.000	TRS Technologies	160701-3299-02	-	4,933	
					Universal Technology Corporation	15-7900-0005-03-C2	-	(112)
		Afterburner for JetCat Engine	12.000					
		Air Force Defense Research Sciences Program	12.800	University of Texas at Austin	UTA16-001294	-	156,670	
		Analysis of high-frequency acoustic data collected off of Norfolk, Virginia	12.000	Cornell University	79733-10734	-	33,845	
		Automated Assembly Planning for Elastic Cloud-Based Make	12.000	UI Labs	401057337	-	6,469	
		Automated Assembly Planning: From CAD model to Virtual Assembly Process	12.000	UI Labs	0220150003	-	(60)	
					Vanderbilt University Medical Center	VUMC 63462	-	84,613
		Automatic Sensing for Clinical Documentation (ASCD)	12.000				-	87,995
		Autonomous Floats Navigation	12.000				-	
		AUTONOMOUS UNMANNED VEHICLES APPLIED RESEARCH PROGRAM	12.000	Johns Hopkins University	140830	-	49,443	
		Avian Predation: East Sand Island Passive Integrated Transponder (PIT) Tag Recovery and Predation Rates, 2017	12.000	Real Time Research	2017F0014-OSU	-	50,626	
		Basic and Applied Scientific Research	12.300	Brigham Young University	16-0481	-	128,237	
		Basic and Applied Scientific Research	12.300	Cornell University	74642-10533	-	89,817	
					University of California / San Diego	51331428 / PO S9000697	-	27,862
		Basic and Applied Scientific Research	12.300	University of St. Andrews	SMC7-XOBO19 / 13374	-	50,128	
		Basic and Applied Scientific Research	12.300	University of Washington	UWSC7557 / 760313	-	2,107	
		Basic and Applied Scientific Research	12.300			178,733	6,379,518	
		Blue and Fin Whale Tagging In Support Of Marine Mammal Monitoring Across Multiple Navy Training Areas In Southern California SOCAL 2017	12.000	HDR One Company	1000300000861	-	596,884	
		Catalyzing Rapid Information Transfer Among Key Stakeholders on Per- and Polyfluoroalkyl Substances (PFASs) at Contaminated Military Sites	12.000			-	262	
		Characterization of the Nature and Extent of Per- and Polyfluoroalkyl Substance (PFASs) in Environmental Media at DoD Sites for Informed Decision Making	12.000			-	90,522	
					Universal Technology Corporation	17-7900-0008-32-C4	-	14,759
		Cold Start Capability Improvement	12.000			23, PO# 7359, Project#		
		Collaborative Research and Development	12.114	Towson University	5040400	-	81,529	
		Command and Control of Aggregate Swarm Tactics (CCAST)	12.000	Raytheon SAS	14780 PO#9500013582	-	38,225	
					NewFields Government			
		Coring Support for San Francisco Dredge Spoils Study	12.000	Services LLC	2017-0955	-	17,417	
		DARPA D3M, "EVE"	12.000	Charles River Analytics Inc	SC1619901	-	237,747	

See accompanying Notes to Schedule of Expenditures of Federal Awards.

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i>	<i>Pass-Through</i>	<i>Pass-Through</i>	<i>Passed through</i>	<i>Total</i>
			<i>Number</i>	<i>Entity</i>	<i>Identifying Number</i>	<i>to Subrecipients</i>	<i>Expenditures</i>
		Demonstration of commercially available high-performance PAM glider and profiler float	12.000			-	22,801
		Detection and Classification of Clicks and Whistles in Ishmael and ROCCA	12.000	Bio-Waves, Inc.	BW-2017-03	-	65,485
		Development of Family of Weapon Sights - Crew Served (FWS-CS) and Sniper (FWS-S) Human Factors Evaluations	12.000	Alion Science and Technology	SUB1131607-001	-	(341)
		Development of Slow Release Compounds for the Aerobic Cometabolic Treatment of Complex Mixtures of COC Released from Low Permeability Zones	12.000			77,458	248,946
		Direct 3D Printing of Soft Stretchy Rubber	12.000	CACI Inc	P000011915	-	45
		Drone-based Sensing of the Nearshore Environment	12.000	Innovative Imaging and Research	2018-665	-	30,059
		Embodied Neuroprostheses	12.000	University of Utah	10038415-OR	-	18,315
		Evaluating Nanomaterial Bioactivity Using Zebrafish	12.000			-	127,037
		Evaluation of a Naval Shipyard Cleanup Project	12.000	CH2M Hill, Inc	10006-7-107098	29,240	213,093
		Evaluation of a Novel Multiple Primary Substrate (MPS) Cometabolic Biosparging Technology for In Situ Bioremediation of 1,4-Dioxane and Chlorinated Solvents in Groundwater	12.000	APTIM Federal Services, LLC	204711	-	29,723
		Evaluation of Branched Hydrocarbons as Stimulants for In Situ Cometabolic Biodegradation of 1,4-Dioxane and its Associated Co-Contaminants	12.000	North Carolina State University	2012-2039-01	-	80,627
		Evaluation of the Impacts of Avian Predation on Salmonid Smolts from the Columbia and Snake Rivers, 2017-2018	12.000	Real Time Research	20170007-OSU	-	19,174
		Examining the influence of salient visual cues on collective behavior in human crowds	12.000			-	5,339
		FIELDS: Fabricating with Interoperable Engineering, Planning, Design, and Analysis	12.000			-	39,322
		Flow-population models for tracking non-stationary changes in riparian and aquatic ecosystems	12.000			125,800	334,349
		High-Accuracy Analog-to-Digital Converter Development	12.000	Progeny Systems Corporation	PSC-0346	-	(203)
		Humpback Whale Tagging in Support of Marine Mammal Monitoring Across Multiple Navy Training Areas in the Pacific Ocean	12.000			-	434,540
		Ignition, Propagation, and Emissions of Smoldering Combustion: Experimental Analysis and Physics Based Modeling	12.000			-	257,062
		Incorporating Photoperiodism in Insect Phenology Models with Application for Biological Control of Weeds on Department of Defense Lands	12.000			312	237,191
		In-Situ Enzymatic Oxidative Treatment for Perfluorinated Compound: JMPS Automated Planning	12.000	AECOM	14S-16529-GV01	-	32,855
			12.000			-	313,676
		Key Fate and Transport Processes Impacting the Mass Discharge, Attenuation, and Treatment of Poly- and Perfluoroalkyl Substances and Comingled Chlorinated Solvents or Aromatic Hydrocarbons	12.000	Colorado School of Mines	401245-5802	-	133,815
		Low-Cost, Large-Area, Fine Radiation Detection via Nanosemiconductors	12.000	University of Michigan	3002962241	-	(19)
		Magnetoelastic Surface Wave RF Circulator and Isolator	12.000	NVE Corporation	PO - 33887	-	20,351
		Mathematical Sciences Grants Program	12.901			-	22,177
		Military Medical Research and Development	12.420			184,658	958,703

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Monolithic Spin-Torque Microwave Diode Spectrograph	12.000	NVE Corporation	PO-32046	-	(123)
		Multiscale Simulation Framework for Modeling of Structural Reactive Materials	12.000	Wasatch Molecular, Inc.	2018-981	-	44,246
		Navigation Projects	12.107			-	2,608
		Participation in the Navy Marine Species Monitoring Program Review	12.000	HDR One Company	1000300000995	-	5,400
		Predicting, Measuring, and Monitoring Aquatic Invertebrate Biodiversity	12.000			-	(13)
		Provide support for improved operability of digital magnetic compasses (DMC) in precision targeting devices	12.000	Johns Hopkins University	138146	-	72,031
		Research and Technology Development	12.910	Galois Inc.	2014-1451	-	90,815
		Research and Technology Development	12.910	Raytheon SAS	PO LBN9513024	19,324	395,900
		Research and Technology Development	12.910	Research Foundation of the City University of New York	47217-C	-	(218)
		Research and Technology Development	12.910	University of California Santa Barbara	KK1752	-	28,730
		Research and Technology Development	12.910	University of California, Los Angeles	1015 G UA493	-	92,503
		Research and Technology Development	12.910	University of California, Los Angeles	Not Available	-	2,267
		Research and Technology Development	12.910			425,505	3,211,483
		Resilient Emergent Properties of Autonomous Agen Interactions (REPAIR)	12.000	Smart Information Flow Technologies	REPAIR-OSU-01	-	27,443
		Resilient Emergent Properties of Autonomous Agent InteRactions (REPAIR)	12.000	Smart Information Flow Technologies	REPAIR-PH2-OSU-01	-	39,173
		San Clemente Argus Station OutYear Maintenance and Ops	12.000			-	76,986
		SBIR (Phase II): Nonlinear Optical Threat Protection Technologies for Daytime Cameras	12.000	Voxtel, Inc	2018-2029 /	-	2,962
		Scaled Assembly of Heterogeneous Nanomaterials (SAHN)	12.000	Voxtel, Inc	2016-915	-	128,847
		Sediment Dynamics at Yaquina Bay, Oregon	12.000			-	59,269
		Simple performance-characterized automatic detection of marine mammal sounds	12.000			2,911	148,648
		Simulating Dune Evolution on Managed Coastlines: Exploring Policy Options with the Coastal Recovery from Storms Tool	12.000			-	24,219
		Task Order X032, 2016 Baleeen (blue & fin) whale tagging in support of marine mammal monitoring across multiple Navy training areas in Southern California	12.000	HDR One Company	1000300000028	-	(1,103)
		The EYE-TRAC Advance: Technology Verification Study (ETA-TV)	12.000	Brain Trauma Foundation	2016-2126	-	20,000
		Transparent Computing	12.000	Galois Inc.	2015-011	-	123,113
		YAB Crystal Growth	12.000	Voxtel, Inc	2017-2789	-	115,779
	<i>Department of Defense Total</i>					1,100,174	17,333,125

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
Department of Education		Education Research, Development and Dissemination	84.305			136,782	969,934
		English Language Acquisition State Grants	84.365			84,885	451,289
		MAAPS: Monitoring Advising Analytics to Promote Student Success	84.000	Georgia State University	SP00012139-08	-	200,924
		Research Partnership and Validation Study 2015-2017	84.000	Oregon Dept of Education	10506	13,327	39,065
		Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	84.325			-	464,227
		Supporting Effective Instruction State Grants (formely Improving Teacher Quality State Grants)	84.367	Western Oregon University	TRSUB18.04	-	4,713
		<i>Department of Education Total</i>				234,994	2,130,152
Department of Energy		A model selection approach to assess water quality using satellite imagery and limited field measurements	81.000	Oak Ridge Associated Universities/DOE	FY 17-3759	-	1,468
		Advanced manufacturing of metallic fuels and cladding by equal-channel angular pressing	81.000	Idaho National Laboratory	145660-20	-	11,739
		Advanced Research Projects Agency - Energy	81.135	Gas Technology Institute	S618	-	270,017
		Advanced Research Projects Agency - Energy	81.135	Power Partners Inc	2015-2084	-	(1,388)
		Advanced Research Projects Agency - Energy	81.135			4,305	41,883
		Avian Predation on Juvenile Salmonids in the Lower Columbia River	81.000			23,850	565,332
		Battery Cathode Growth and X-Ray Studies	81.000	Argonne National Laboratory	7F-30130	-	78,972
		Benchmarking of MAMMOTH Simulations of TREAT	81.000	Idaho National Laboratory	00145660-008	-	(18)
		BLOSUM Support/GOM IAM Risk Assessment	81.000	AECOM Energy and Construction, Inc.	RES1100426 / 031	-	(3)
		BLOSUM Support/GOM IAM Risk Assessment	81.000	URS Corporation	RES1100426/028	-	(4)
		Blowout and Spill Occurrence Model (BLOSUM) Support, Gulf of Mexico (GOM) Integrated Assessment Model (IAM), Risk Assessment. Task 32	81.000	AECOM Energy and Construction, Inc.	RES1100426-032	-	(1)
		Bureau of Safety and Environmental Enforcement (BSEE) WFO PNNL NETL Dispersal: Analysis of How Environmental Conditions Affect Dispersant Performance During Deep Ocean Application	81.000	AECOM Energy and Construction, Inc.	RES1100426 / 033	-	(12)
		Center for Inverse Design: A New Approach to Material Science	81.000	DOE National Renewable Energy Lab	XCI-0-40426-01	-	(26)
		Center for Next Generation of Materials by Design: Incorporating Metastability	81.000	DOE National Renewable Energy Lab	XGJ-4-42247-01	-	220,718
		Cluster Dynamics Model for Hydride Formation in Zirconium Cladding in Light Water Reactors	81.000	DOE Oak Ridge National Laboratory	4000154162	-	7,492
		Conservation Research and Development	81.086			-	84,247
		Continued Development of State-of-the-Art Capabilities to Support TREAT Modeling and Simulation at Oregon State University	81.000	Idaho National Laboratory	00145660-012	-	41,023
		Converting Natural Gas to Liquid Fuels by Low Energy Electrical Corona Discharge Processes	81.000			-	389,636
		Coupling Monte Carlo and Deterministic Methods for Multiband Cross Section Generation and Applications	81.000	Lawrence Livermore National Laboratory	B625784	-	87,098
		Data Analysis of Godiva-IV Experiments to Measure Fission Product Yields from 235U and 238U	81.000	Lawrence Livermore National Laboratory	B626572	-	36,677

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Defense Nuclear Nonproliferation Research	81.113	University of Michigan	3003608372 (3003222385)	-	147,055
		Desing of an In-Pile Experimental Loop for Fast Test Reactor Conditions	81.000	Idaho National Laboratory	145660-22	-	76,148
		Developing Proper Generalized Decomposition Approaches to Modeling Rapid Nuclear Reactor Transients with Application to TREAT Experiments	81.000	Idaho National Laboratory	145660-23	-	28,846
		Development of a Modeling Method for Fluid-Structure-Interactions	81.000	Idaho National Laboratory	00145660-016	-	87,752
		Electricity Delivery and Energy Reliability, Research, Development and Analysis	81.122	University of Illinois, Urbana-Champaign	078620-15702 (2015-06605-07) UNIV59366 (formerly 19067-2)	-	312,171
		Environmental Remediation and Waste Processing and Disposal	81.104	Vanderbilt University		-	166,370
		Evaluate causes of hatchery & wild steelhead RRS	81.000			-	99,385
		Evaluate Reproductive Success of hatchery-origin and wild origin Steelhead in Hood River'	81.000			-	209,008
				DOE Pacific Northwest			
		Evolution of thermal conductivity in irradiated lithium aluminate	81.000	National Lab	378025	-	66,576
		Exp Ocean Survival of Salmoniids	81.000			-	245,582
		Fossil Energy Research and Development	81.089	Purdue University	4105-58200	-	934
		Fossil Energy Research and Development	81.089	University of Texas at Austin	UTA17-000274	-	35,676
		Fossil Energy Research and Development	81.089			121,139	615,323
		Fuel Spray and Mixture Formation Experiments	81.000	Sandia National Laboratories	PO 1771250	-	40,266
		High Performance Research Reactor Hydro-Mechanical Fuel Test Program	81.000	Idaho National Laboratory	00044868-00029	-	468,602
		HTTF Testing 2016	81.000	Idaho National Laboratory	00145660-014	-	608,329
		Improving Electric Power Cyber Defense - Rapid Detection of Malicious Data Injections	81.000	Washington State University	128496_G003688	-	39,847
		Industrial Engineering Support for Low-Enriched Uranium Fuel Fabrication Process Flow - Phase 2	81.000	DOE Pacific Northwest National Lab	199062-277389	-	211,496
		INL-NUC LDRD Activities at Oregon State University - FY2015 - Hybrid Energy Projects	81.000	Idaho National Laboratory	00145660-00006	-	5,343
		Integrated Solar Thermochemical Reaction System for the High Efficiency Production of Electricity	81.000	DOE Pacific Northwest National Lab	199062-204923	-	(403)
				Lawrence Berkeley National Lab			
		Management of Ameriflux Network Project	81.000		7117975	-	305,282
		Microstructural Characterization of Irradiated Fuels for the United States High Performance Research Reactor Fuel Development	81.000	Idaho National Laboratory	00145660-015	-	11,266
		Model Predictive Control for Wave Energy Implementation Support	81.000	Dehlsen Associates LLC	PO00632 / 2018-2444	-	1,836
		Multi-Physics Simulation of RIA and LOCA Events with Post-Event Fuel Migration Experiments	81.000	Idaho National Laboratory	145660-00018	-	107,198
		National University Consortium Travel Support	81.000	Idaho National Laboratory	145660-19	-	1,825
				DOE Pacific Northwest			
		Neutronics Modeling Services	81.000	National Lab	342525	-	1,948
				University of California			
		Nuclear Energy Research, Development and Demonstration	81.121	Berkeley	00009033/DE-NE0008460	-	76,340
		Nuclear Energy Research, Development and Demonstration	81.121	University of Mississippi	17-06-016	-	46,669

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Nuclear Energy Research, Development and Demonstration	81.121	University of New Mexico	327074-874U	-	16,610
		Nuclear Energy Research, Development and Demonstration	81.121	University of Utah	10031590-OSU	-	4,446
		Nuclear Energy Research, Development and Demonstration	81.121	University of Wisconsin - Madison	775K552	-	47,785
		Nuclear Energy Research, Development and Demonstration	81.121			1,134,610	3,119,889
		Nuclear Non-Proliferation Detector Concept	81.000	Idaho National Laboratory	00044868-00034	-	(4,605)
		Nuclear Non-Proliferation Detector Concept	81.000	Idaho National Laboratory	00145660-00011	-	131,338
		Nuclear Security Education Program - Development of a Nuclear Security Education Textbook	81.000	DOE Pacific Northwest National Lab	199062-321293	-	146,656
		Office of Science Financial Assistance Program	81.049	Architectural Applications PC	2016-492	-	49,462
		Office of Science Financial Assistance Program	81.049	Stanford University	61322195-123421 GNK498-SB-001, PO P0050995	-	17,370
		Office of Science Financial Assistance Program	81.049	University of Idaho		-	93,640
		Office of Science Financial Assistance Program	81.049	University of Notre Dame	202373	-	125,964
		Office of Science Financial Assistance Program	81.049			47,692	482,944
		Polymeric Microchannel Device Fabrication	81.000	Savannah River National Laboratory	0000181677	-	1,721
		Preparation of Np targets for SPIDER	81.000	Los Alamos National Laboratory	417701	-	6,851
		Preparation of Targets for SPIDER	81.000	Los Alamos National Laboratory	408419	-	54
		Production of two 252Cf sources for LANL	81.000	Los Alamos National Laboratory	440403	-	18,310
		Pump Commissioning Flow Tests - a Naval Reactor Experimental Loops in ATR	81.000	Idaho National Laboratory	145660-00017	194,438	875,405
		Quantification of Risk and Valuation of Flexibility in the FCRPS	81.000	University of Houston	R-17-0015	-	158,154
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	RAPID Jump Start	-	287,618
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	RAPID Project Management	-	140,677
		Renewable Energy Research and Development	81.087	Humboldt State University Sponsored Programs Foundation	0007101423	-	21,265
		Renewable Energy Research and Development	81.087	M3 wave Energy Systems	2017-3144	-	45,893
		Renewable Energy Research and Development	81.087	Northwest Energy Innovations	2017-2584	-	39,992
		Renewable Energy Research and Development	81.087	The Ohio State University	60054279	-	4,380
		Renewable Energy Research and Development	81.087	University of Washington	UWSC8279 / BPO4186	-	46,063
		Renewable Energy Research and Development	81.087			501,995	5,018,033
		Stewardship Science Grant Program	81.112	Colorado School of Mines	401140-5802	-	65,944
		Stewardship Science Grant Program	81.112	University of Notre Dame	203186OSU	-	99,938
		Stewardship Science Grant Program	81.112			-	108,684
		Stress Corrosion Cracking Testing in Supercritical Carbon Dioxide	81.000	Idaho National Laboratory	00145660-013	-	56,279
		System Agnostic Switched Reluctance Linear Generator for WECs	81.000	Dehlsen Associates LLC	PO00583/2015-1642	-	12,666
		Target Making for NIFFTE collaboration	81.000	Lawrence Livermore National Laboratory	B616184	-	(19,909)

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Technical Support for Effects of Wind Forcing on Extreme Wave Modeling	81.000	DOE Pacific Northwest National Lab	403860	-	16,993
		Technical Support for Natural Resource Trustee for Post-Remedial Restoration of Hanford Nuclear Site	81.000	Oregon Dept of Energy	15-102	-	54,155
		Thermal Radiation Transport Using Higher-Order Finite Elements on Meshes with Curved Surfaces	81.000	Lawrence Livermore National Laboratory	B620543	-	81,272
		TimeSeries Learning on PMU Data for Event Detection	81.000	Washington State University	128495_G003686	-	16,667
		TREAT HENRI - System Modeling and Prototype Testing	81.000	Idaho National Laboratory	145660-21	-	40,646
		Vanderbilt PUREX Tunnel Review	81.000	Vanderbilt University	UNIV59816	-	19,916
		WEC-Sim Development and Testing	81.000	Sandia National Laboratories	PO 1475498	-	14,498
	<i>Department of Energy Total</i>					2,028,029	17,315,184
					4418-5/9500227912/45000001		
Department of Health and Human Services		Aging Research	93.866	Boston University	83	-	(243)
		Aging Research	93.866	Northern California Institute for Research and Education	PER1868 - 094604	-	121,191
		Aging Research	93.866	Pennsylvania State University	5290-OSU-DHHS-2167	-	(264)
		Aging Research	93.866	World Health Organization	201540498/201650964	-	51,130
		Aging Research	93.866			136,088	827,205
		Alcohol Research Programs	93.273			31,219	176,987
		Allergy and Infectious Diseases Research	93.855	Aradigm Corporation	2014-1030	-	(118)
		Allergy and Infectious Diseases Research	93.855	Aradigm Corporation	2018-45	-	116,783
		Allergy and Infectious Diseases Research	93.855	Mount Sinai School of Medicine	0254-3242-4609	-	(737)
		Allergy and Infectious Diseases Research	93.855	Mount Sinai School of Medicine	0254-3245-4609	-	213,757
		Allergy and Infectious Diseases Research	93.855	Mount Sinai School of Medicine	0255-A131-4609	-	4,061
		Allergy and Infectious Diseases Research	93.855	Najit Technologies Inc	2017-1066	-	89,173
		Allergy and Infectious Diseases Research	93.855	University of Texas Southwestern	150401 PO 0000000619	-	32,647
		Allergy and Infectious Diseases Research	93.855	University of Texas Southwestern	160608 / 141405	-	295,252
		Allergy and Infectious Diseases Research	93.855	University of Texas Southwestern	PO# RGC000000494 Sub# 140607	-	7,860
		Allergy and Infectious Diseases Research	93.855	University of Washington	UWSC9071 / BPO 15471	-	178,826
		Allergy and Infectious Diseases Research	93.855			328,349	1,506,880
		Arthritis, Musculoskeletal and Skin Diseases Research	93.846			-	135,540
		Assistance Programs for Chronic Disease Prevention and Control	93.945	Oregon Health Authority	146299	-	32,089
		Biomedical Research and Research Training	93.859	Northwestern University	SP0031307-PROJ0008367	-	51,440
		Biomedical Research and Research Training	93.859	Texas A & M University	02-S150274	-	34,468
		Biomedical Research and Research Training	93.859	University of California Santa Barbara	KK1406	-	91,052

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Biomedical Research and Research Training	93.859	University of Nebraska	34-5360-2076-001	-	214,561
		Biomedical Research and Research Training	93.859	University of Pennsylvania	566033	-	47,871
		Biomedical Research and Research Training	93.859	Wake Forest University	550010	-	105,857
		Biomedical Research and Research Training	93.859			16,644	1,472,115
		Cancer Cause and Prevention Research	93.393	Texas A & M University	23-S152303	-	(6,190)
		Cancer Cause and Prevention Research	93.393	University of Oregon	215370A	-	64,626
		Cancer Cause and Prevention Research	93.393			-	43,144
		Cancer Treatment Research	93.395	State University of New York at Buffalo	R1064720	-	9,476
		Cardiovascular Diseases Research	93.837	New York University	15-A1-00-004212-01	-	7,220
		Cardiovascular Diseases Research	93.837	Oregon Health & Science University	1005697_OSU	-	25,242
		Cardiovascular Diseases Research	93.837			-	116,141
		Centers for Research and Demonstration for Health Promotion and Disease Prevention	93.135			21,408	273,673
		Child Health and Human Development Extramural Research	93.865	Wake Forest University	WFUHS 112761	-	31,601
		Child Health and Human Development Extramural Research	93.865			107,789	856,025
		Development of NHSN's AUR data and SAAR to support Antibiotic Benchmarking Program among Vizient Members	93.000	Virginia Commonwealth University	FP00004348_SA001	-	102,430
		Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847			-	958,752
		Disabilities Prevention	93.184	Special Olympics	OSU-001	-	20,667
		Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286	Augusta University	28717-2	-	(32)
		Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286	Oregon Health & Science University	1008659_OSU	-	113,994
		Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286			8,661	427,559
		Drug Abuse and Addiction Research Programs	93.279			-	59,397
		Environmental Health	93.113	Cornell University	76146-10616	-	56,092
		Environmental Health	93.113	University of New Mexico	3RK26	-	31,679
		Environmental Health	93.113	Wake Forest University	WFUHS 550032	-	21,813
		Environmental Health	93.113			212,536	1,921,503
		Epidemiology and Laboratory Capacity for Infectious Diseases	93.323	Oregon Health Authority	149324	-	138,336
		Epidemiology and Laboratory Capacity for Infectious Diseases	93.323	Oregon Health Authority	152322-03	-	22,965
		Epidemiology and Laboratory Capacity for Infectious Diseases	93.323	Oregon Health Authority	154153	-	10,620
		Epidemiology and Laboratory Capacity for Infectious Diseases	93.323	Oregon Health Authority	156294	-	87,909
		Epidemiology and Laboratory Capacity for Infectious Diseases	93.323	Oregon Health Authority	157282	-	67,069
		Estimation of PM2.5 and NO2 Air Pollution for the Asian Cohort Consortium	93.000			-	8,681
		Expanding the impact of instructor-led WWE through self- directed/virtual group development, promotion & execution	93.000	University of North Carolina, Chapel Hill	03172017	-	2,877
		Family Smoking Prevention and Tobacco Control Act Regulatory Research	93.077	University of Maryland	54298-Z0067203	-	34,599
		Food and Drug Administration_Research	93.103			-	20,565
		Injury Prevention and Control Research and State and Community Based Programs	93.136			257,068	374,842

See accompanying Notes to Schedule of Expenditures of Federal Awards.

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Lipidomics analysis of human atopic dermatitis (AD)	93.000	National Jewish Health	HHSN27220100020C	-	(229)
		Mental Health Research Grants	93.242	Dartmouth College	909R213	-	(73)
		Mental Health Research Grants	93.242	University of California, Irvine	2017-3450	-	2,993
		Mental Health Research Grants	93.242	University of South Florida	6405-1101-00-A	-	2,092
		Mental Health Research Grants	93.242			-	119,454
		Minority Health and Health Disparities Research	93.307	Bauer Labs	2013-2233	-	(3,844)
				Oregon Health & Science			
		National Center for Advancing Translational Sciences	93.350	University	1010312_OSU	-	116,835
				Oregon Health & Science			
		National Center for Advancing Translational Sciences	93.350	University	1010312_OSU_Newsom	-	105,390
		National Center for Advancing Translational Sciences	93.350			105,770	307,605
		NIEHS Superfund Hazardous Substances_Basic Research and Education	93.143			12,011	2,386,747
		NIH Data Commons Pilot Phase	93.000	University of North Carolina, Chapel Hill	5109149	-	13,801
				University of North Carolina, Chapel Hill	5109481	-	13,801
		NIH Data Commons Pilot Phase (NHLBI)	93.000	Chapel Hill	5109481	-	13,801
		Nursing Research	93.361	University of Washington	UWSC9780/BPO 23365	-	33,483
				Center for Construction			
		Occupational Safety and Health Program	93.262	Research and Training	17-4-PS	-	11,586
				Center for Construction			
		Occupational Safety and Health Program	93.262	Research and Training	17-8-PS	-	12,352
		Occupational Safety and Health Program	93.262	Eastern Washington University	2016-1426	-	(1,106)
		Occupational Safety and Health Program	93.262	Eastern Washington University	2017-1299	-	10,934
		Occupational Safety and Health Program	93.262	Eastern Washington University	SR0009641	-	67,626
		Occupational Safety and Health Program	93.262	Northeastern University, Boston, MA	500326-78052	-	5,280
				UWSC10249 / BPO			
		Occupational Safety and Health Program	93.262	University of Washington	28873	-	2,865
				UWSC9328 / BPO			
		Occupational Safety and Health Program	93.262	University of Washington	17849	-	145,971
		Occupational Safety and Health Program	93.262	University of Washington	UWSC9671	-	6,748
				UWSC9675 / BPO			
		Occupational Safety and Health Program	93.262	University of Washington	21842	-	6,044
		Occupational Safety and Health Program	93.262	University of Washington	UWSC9768	-	7,483
		Occupational Safety and Health Program	93.262			37,051	362,131
		Oral Aminoglycoside Cochleates for Treatment of Francisella tularensis	93.000	Coordinated Program Development, LLC	2013-1596	-	(6,675)
		Oral Diseases and Disorders Research	93.121			3,233	137,426
		Policy Research and Evaluation Grants	93.239	University of Wisconsin	745K415	-	24,517
				Oregon Health & Science			
		Research and Training in Complementary and Integrative Health	93.213	University	1003333_OSU	-	124,524
				Oregon Health & Science			
		Research and Training in Complementary and Integrative Health	93.213	University	1004728_OSU	-	55,504
				049257-12287 (2010-			
		Research and Training in Complementary and Integrative Health	93.213	University of Illinois, Chicago	02881-03)	-	21,926

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i> <i>Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through</i> <i>Identifying Number</i>	<i>Passed through</i> <i>to Subrecipients</i>	<i>Total</i> <i>Expenditures</i>
		Research and Training in Complementary and Integrative Health	93.213			-	616,958
		Research Infrastructure Programs	93.351	University of Oregon	215450A	-	30,911
		Research Infrastructure Programs	93.351			49,541	221,274
		Research on Healthcare Costs, Quality and Outcomes	93.226	University of Illinois, Chicago	16660	-	4,464
		Research on Healthcare Costs, Quality and Outcomes	93.226			503,557	827,792
		Research Related to Deafness and Communication Disorders	93.173			-	356,587
		Sodium Reduction in Communities	93.082	Oregon Health Authority	153667	-	108,159
				Willamette Neighborhood Housing Services	2014-1083	-	135
		State Partnership Grant Program to Improve Minority Health	93.296	Oregon Health & Science	1003942_OSU-	-	3,162
		Substance Abuse and Mental Health Services_Projects of Regional and National Significance	93.243	University	Cascades	-	76,655
		Substance Abuse and Mental Health Services_Projects of Regional and National Significance	93.243			20,170	(53)
		Support of Acute and Communicable Disease Prevention Epidemiology and Laboratory Capacity Program	93.000	Oregon Health Authority	142081	-	51,733
		Trans-NIH Research Support	93.310	Columbia University	PO G11509 2(GG101662 417050 / UR FAO	-	50,638
		Trans-NIH Research Support	93.310	University of Rochester	GR50630	83,700	369,469
		Trans-NIH Research Support	93.310			-	1,903
		Vision Research	93.867	Universal Adherence LLC	2018-2480	-	18,521,636
		<i>Department of Health and Human Services Total</i>				1,934,795	18,521,636
Department of Homeland Security		Assistance to Firefighters Grant	97.044			1,738	142,079
		Centers for Homeland Security and Demonstration of Technologies Related to Nuclear Threat Detection	97.061	University of North Carolina, Chapel Hill	5101654	-	78,773
		OCCRI Climate Change Analysis for Hood River, Wasco, Sherman, Gilliam, Wheeler, Lake, Harney, and Malheur Counties	97.077			37,150	347,770
			97.000	Oregon Dept of Land Conservation & Development	12029	-	10,000
		<i>Department of Homeland Security Total</i>				38,888	578,622
Department of the Interior		2017 Baker & Malheur County Sage-Grouse/Raven Study	15.000	Oregon Dept of Fish & Wildlife	117-17	-	142,015
		Alaska Coastal Marine Institute	15.421	University of Alaska	UAF 16-0032 / PO P0496915	-	5,466
		Alaska Subsistence Management	15.636	Alaska Department of Fish and Game	170007716	-	14,953
		Assistance to State Water Resources Research Institutes	15.805			-	64,481
		Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423	San Diego State University Foundation	SA0000494	-	35,682
		Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423	University of California at Santa Cruz	A15-0068-S003- S0184297	-	22,972
		Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423			-	121,105
		Challenge Cost Share	15.238			-	6,571

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i> <i>Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through</i> <i>Identifying Number</i>	<i>Passed through</i> <i>to Subrecipients</i>	<i>Total</i> <i>Expenditures</i>
		Conserving Old-Growth Forest Components and Processes: Reproductive Den Trees of Fishers on the Hoopa Valley Indian Reservation	15.000	California Department of Fish and Wildlife	P1610005	-	(584)
		Cooperative Ecosystem Studies Units	15.678			-	352,325
		Cooperative Landscape Conservation	15.669			7,671	33,373
		Cooperative Research and Training Programs Resources of the National Park System	15.945			61,216	557,028
		Cooperative Research Units	15.812	New Mexico State University	Q01733	-	1,487
		Cooperative Research Units	15.812			-	1,692,433
		Cultural and Paleontological Resources Management	15.224			-	96,925
		Earthquake Hazards Program Assistance	15.807			-	71,221
		Environmental Quality and Protection	15.236			25,763	78,461
		Fish and Wildlife Management Assistance	15.608			-	98,364
		Fish, Wildlife and Plant Conservation Resource Management	15.231			-	825,464
		Forests and Woodlands Resource Management	15.233			-	6,783
		Genetic Connectivity and Diversity among Bighorn Sheep in the Northern Peninsular Ranges and southern Mojave Desert	15.000			-	1,511
		Gulf of Mexico Passive Acoustic Monitoring Program	15.000	HDR One Company	1000300001059	-	13,781
		Invasive Species	15.652			-	(690)
		Klamath Basin Monograph	15.000	Ducks Unlimited	US-OR-201-1	-	(108)
		Migratory Bird Monitoring, Assessment and Conservation	15.655			-	4,097
		National Climate Change and Wildlife Science Center	15.820			213,443	365,331
		National Cooperative Geologic Mapping	15.810			-	3,099
		National Fish and Wildlife Foundation	15.663	National Fish and Wildlife Foundation	0206.17.058208	-	115,962
		National Fish and Wildlife Foundation	15.663	South Dakota State University	3TB818	-	17,025
		Research Grants (Generic)	15.650			-	285
		State Wildlife Grants	15.634	Alaska Department of Fish and Game	CT 170007859	-	68,406
		Toward Near Real-time Monitoring and Characterization of Land Surface Change for the Conterminous US	15.000	Texas Tech University	21H092-01	-	50,923
		U.S. Geological Survey_ Research and Data Collection	15.808			-	361,257
		VAR-FED VMRC	15.000			-	38,823
		Wildland Fire Research and Studies	15.232			26,329	215,202
	<i>Department of the Interior Total</i>					334,422	5,481,429
Department of Transportation		16-002 Enhancing Landslide Inventorizing, Hazard Assessment and Asset Management using LiDAR	20.000	Oregon Dept of Transportation	30530-16-09	-	20,358
		A Framework to Evaluate Causes and Effects of Truck Driver At- Fault Crashes in Oregon	20.000	Oregon Dept of Transportation	30530-18-04	-	69,882
		Adjusting Asphalt Mixes for Increased Durability and Implementation of a Performance Tester to Evaluate Fatigue Cracking of Asphalt Concrete	20.000	Oregon Dept of Transportation	30530-16-07	-	61
		Air Transportation Centers of Excellence	20.109			-	89,291
		ARA Performance Specifications	20.000	Applied Research Associates, Ir S-001986.01.OSU		-	17,990

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through Identifying Number</i>	<i>Passed through to Subrecipients</i>	<i>Total Expenditures</i>
		Assessment of Soil Arching Factor for Retaining Wall Pile Foundations (Phase 1)	20.000	California Department of Transportation	65A0497	-	(1,047)
		Automated Landslide "Hot Spot" Identification Tool for Optimized Climate Change and Seismic Resiliency	20.000	Oregon Dept of Transportation	30530-18-01	35,803	138,242
		Biobased Transportation Research	20.761			1,325	(52,118)
		Bridge Deck Asphalt Concrete Pavement Armoring	20.000	Oregon Dept of Transportation	30530-18-05	-	69,284
		Cascadia Lifelines Research Consortium Public Membership	20.000			-	29,978
		Coastal Landslide and Bluff Retreat Monitoring for Climate Change Adaptation and Targeted Risk Assessment	20.000	Oregon Dept of Transportation	30530-17-02	1,108	60,274
		Concrete Patching Materials and Techniques and Guidelines for Hot Weather Concreting	20.000	Purdue University	16045321	-	28
		Construction of Efficient, Cost-Effective and Sustainable Maintenance Facilities	20.000	Oregon Dept of Transportation	30530-16-08	-	760
		Development of a Balanced Mix Design Method in Oregon	20.000	Oregon Dept of Transportation	30530-18-08	-	13,469
		Development of Titanium Seismic Retrofits for Deficient Concrete Columns	20.000	Oregon Dept of Transportation	30530-16-11	-	79,852
		Effects of Diatomaceous Silt on Driven Pile Foundations	20.000	Oregon Dept of Transportation	30530 18-07	-	6,814
		Effects of High Strength Steel and Steel Casing on the Response of Drilled Shafts	20.000	Oregon Dept of Transportation	17384-14-07	-	24,887
		Efficient Nonlinear Time History Analysis of California Bridges	20.000	California Department of Transportation	65A0559	3,574	3,574
		Field Implementation of Phase Change Materials (PCMs) to Mitigate Ice Formation on Concrete Airport Taxiways and Aprons	20.000	Purdue University	4108-82481	-	35,544
		GTFS-ride: Transit Ridership Data Standard Ecosystem Development	20.000	Oregon Dept of Transportation	30530-18-09	-	71,931
		Highway Research and Development Program	20.200	National Academy of Sciences	SUB0001074	-	19,186
		Highway Research and Development Program	20.200	Purdue University	4202-71830	-	97
		Highway Research and Development Program	20.200	Purdue University	4202-74244	-	94,904
		Highway Research and Development Program	20.200	University of Wisconsin - Madison	739K712	-	22,122
		Highway Research and Development Program	20.200			-	1,656
		Implementation of ODOT Tack Coat Technologies and Procedures to Improve Long-Term Pavement Performance	20.000	Oregon Dept of Transportation	30530-18-06	-	68,643
		Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon	20.000	Oregon Dept of Transportation	30530-16-04	-	22,369
		Modeling and validation of standards for a sleeper compartment on accessible passenger rail vehicles	20.000	National Academy of Sciences	SUB0000855	2,400	50,765
		NCHRP 03-99: Development and Application of Access Management Guidelines	20.000	National Academy of Sciences	HR-03-99	-	(8,873)
		Project Progress Tracking using LIDAR and 4D Information Models	20.000	Oregon Dept of Transportation	30530 18-03	-	65,688
		Subcontract - Improving Specifications to Resist Frost Damage in Modern Concrete Mixtures (Part II)	20.000	Oklahoma State University	1-552974-01 / P0040533	-	100,901
		Turbulent Flame Speed of Conventional and Alternative Jet Fuels Project	20.000			-	75,152
		University Transportation Centers Program	20.701	University of Washington	739437-3	-	(645)
		University Transportation Centers Program	20.701	University of Washington	BPO8248/UWSC8230	-	275,942

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			Number	Pass-Through Entity			
		University Transportation Centers Program	20.701	University of Washington	UWSC10003/BPO26174	-	37,464
		University Transportation Centers Program	20.701	University of Washington	UWSC10004/BPO26176	-	2,386
		University Transportation Centers Program	20.701	University of Washington	UWSC10005/BPO26177	-	1,397
		University Transportation Centers Program	20.701	University of Washington	UWSC10008/BPO26183	-	15,177
		University Transportation Centers Program	20.701	University of Washington	UWSC10009/BPO26193	-	14,317
		University Transportation Centers Program	20.701	University of Washington	UWSC10357/BPO 30018	-	4,868
		WO31 - TOCS MicroMain Integration	20.000	Oregon Dept of Transportation	26828-031	-	54,550
		Work Zone Intrusion Alert Technologies Assessment and Practical Guidance	20.000	Oregon Dept of Transportation	30530-16-02	3,401	3,566
		Writing Standard Testing Procedures for the First Tier of Durability Specifications that will be compliant with the AASHTO Performance Related Specifications (PRS) PP84 and Performance Related Specifications (PRS) for Use by FHWA at the Turner Fairbanks	20.000	SES Group & Associates LLC	17-04	-	42,124
	<i>Department of Transportation Total</i>					47,611	1,642,810
	Environmental Protection Agency	Construction and delivery of a combined pCO2/TCO2 analyzer for Dr. Cheryl A. Brown	66.000			-	31,115
		Creation of an integrated mitigation site and map viewer on the Oregon Explorer portal, ORWAP update, and statewide LWI Mapping.	66.000	Oregon Division of State Lands	A191222019	-	41,548
		Great Lakes Program	66.469	Loyola University Chicago	516995-OSU	-	21,847
		Implementation of an Oregon Stream Function Assessment Method (SFAM) tool on the Oregon Explorer portal.	66.000	Oregon Division of State Lands	17-122-12801	15,589	63,637
		Improvements in Air Quality and Health Outcomes among California Medicaid Enrollees, Phase 2	66.000	University of California, Los Angeles	1918-S-UA310	-	2,537
		Puget Sound Action Agenda: Technical Investigations and Implementation Assistance Program	66.123	Puget Sound Partnership	2018-19	-	43,753
		Regional Wetland Program Development Grants	66.461	University of Florida	UFDSP00012054	-	20,205
		Science To Achieve Results (STAR) Fellowship Program	66.514			-	19,465
		Science To Achieve Results (STAR) Research Program	66.509	Arizona State University	14-498	-	77,880
		Science To Achieve Results (STAR) Research Program	66.509			67,734	281,283
	<i>Environmental Protection Agency Total</i>					83,323	603,270
	Institute of Museum and Library Services	National Leadership Grants	45.312			10,646	16,909
	National Aeronautics and Space Administration	Aeronautics	43.002	Arizona State University	16-883	-	35,388
		Aeronautics	43.002	Baylor College of Medicine	NCC 9-58-329 / CA04201	-	4,035
		Aeronautics	43.002			-	159,515
		Assessing the Capabilities of the Ocean Radiometer for Carbon Assessment (ORCA) for the PACE Mission	43.000			-	23,986
		Atmospheric Modeling in Support of a Mission to Gale Crater on Mars - the Red Dragon Project	43.000	Jet Propulsion Lab	1564595	-	81,785
		Discovering a Decade of Coastal Winds from Ocean Wind Scatterometers	43.000	Jet Propulsion Lab	1531731	-	51,269
		Education	43.008			-	4,628

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			Number	Pass-Through Entity			
		Landing Site Characterization for the Mars 2020 Rover Mission: Atmospheric Modeling for EDL	43.000	Jet Propulsion Lab	1512906	-	58,575
		Maximizing Utility of Remote Sensing Data for Water Quality Monitoring & Resources Management in California's Water Systems	43.000	Jet Propulsion Lab	1576067	-	80,471
		Mesoscale and LES Modeling for Atmosphere Characterization for the InSight Mission	43.000	Jet Propulsion Lab	1495237	-	66,849
		National Space Grant College and Fellowship Program: (Space Grant 2014)	43.000			-	(65)
		Rapidscat observations of ocean-atmosphere coupling along the mid-latitude storm track	43.000	Jet Propulsion Lab	1540785	-	83,479
		Science	43.001	Bay Area Environmental Research Institute	2017-1114	-	81,668
		Science	43.001	Bay Area Environmental Research Institute	2018-2683	-	23,611
		Science	43.001	East West Center	HC13373	-	109,773
		Science	43.001	Harvard University	130785-5086565	-	14,790
		Science	43.001	Princeton University	SUB0000206	-	16,328
		Science	43.001	University of South Florida	NNX14AP62A: Sub 2500-1616-00-1	-	95,690
		Science	43.001	University of Washington	UWSC9030/BPO10407	-	55,834
		Science	43.001	University of Washington	UWSC9717/BPO 22462	-	25,876
		Science	43.001	Woods Hole Oceanographic Institution	A101009	-	45,158
		Science	43.001	Woods Hole Oceanographic Institution	A101163	-	84,811
		Science	43.001	Woods Hole Oceanographic Institution	A101248	-	89,488
		Science	43.001			3,320,237	7,796,992
		Space Operations	43.007			-	62,271
		Space Technology	43.012			-	56,001
		Support for Multi-angle Imaging SpectroRadiometer (MISR) Science Team Activities	43.000	Jet Propulsion Lab	1540933	-	60,016
		<i>National Aeronautics and Space Administration Total</i>				3,320,237	9,268,222
National Science Foundation		Biological Sciences	47.074	Carnegie Institution of Washington	6-10548-02	-	161,712
		Biological Sciences	47.074	Cold Spring Harbor Lab	52930113///513 /PO 920802-SV	-	457,122
		Biological Sciences	47.074	Portland State University	204EST471	-	34,282
		Biological Sciences	47.074	University of Pennsylvania	567263/10048105/16286	-	15,263
		Biological Sciences	47.074			1,126,334	9,117,165
		Coastal SEES Fog & Redwoods - OSU Ocean Component	47.000	University of California, Merced	F100GUA270	-	23,584
		Computer and Information Science and Engineering	47.070	Texas Tech University	28P032-02	-	3,288
		Computer and Information Science and Engineering	47.070	University of Illinois, Urbana-Champaign	2013-04017-01	-	58,100
		Computer and Information Science and Engineering	47.070	University of Southern California	43854715	-	417

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Computer and Information Science and Engineering	47.070	University of Utah	10034633-OR	-	44,443
		Computer and Information Science and Engineering	47.070			149,948	3,975,334
		Connected Science Learning: A Journal to Connect In-School and Out-of-School STEM Educators	47.000	Association of Science-Technology Centers	2017-0698	-	51
		Education and Human Resources	47.076	Association of Science-Technology Centers	DRL-1612739	-	79,684
		Education and Human Resources	47.076	New Knowledge	1612729	-	114,852
		Education and Human Resources	47.076	Oregon Museum of Science and Industry	E13-39	-	23
		Education and Human Resources	47.076	Oregon Museum of Science and Industry	E17-0024	-	5,154
		Education and Human Resources	47.076	Oregon Museum of Science and Industry	ICA Dierking PO#98634	-	175
		Education and Human Resources	47.076	Oregon Museum of Science and Industry	PO 1000070/E16-0027	-	(281)
		Education and Human Resources	47.076	Pratt Institute	1612719	-	125,090
		Education and Human Resources	47.076	Swinomish Indian Tribal Community	420 20 43 00 NSF AISL	-	10,525
		Education and Human Resources	47.076	University of California Berkeley	00009327	-	14,696
		Education and Human Resources	47.076	University of Georgia	RR246-091/S001465	-	94,839
		Education and Human Resources	47.076	University of Washington	UWSC7351 (BPO 7592)	-	2,925
		Education and Human Resources	47.076	University of Washington	UWSC7971/BPO2762	-	135,493
		Education and Human Resources	47.076	Willamette University	WU-NSFDUE-01-2015	-	8,571
		Education and Human Resources	47.076			222,089	5,439,689
		Engineering Grants	47.041	Carnegie Mellon University	1121711-277808	-	(6,957)
		Engineering Grants	47.041	Colorado State University	G-00973-1	115,892	284,351
		Engineering Grants	47.041	CSD-Nano	2013-1389	-	15,858
		Engineering Grants	47.041	OnTo Technology LLC	2015-2247	-	3,387
		Engineering Grants	47.041	Rutgers, The State University of New Jersey	0391	-	7,955
		Engineering Grants	47.041	University of Colorado	1549503	-	10,601
		Engineering Grants	47.041	University of Colorado Boulder	1553393	-	23,703
		Engineering Grants	47.041	University of Washington	UWSC8669/BPO 10063	-	145,793
		Engineering Grants	47.041	University of Washington	UWSC9420/BPO 18494	-	38,875
		Engineering Grants	47.041			209,622	5,540,481
		Geosciences	47.050	Columbia University	6 (GG009393-01)	-	184,972
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11	-	2,792,966
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 7.2.6.1.8	-	2,372
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.1.0.X.X	-	416,831
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.2.6.1.8	-	1,799,913

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures
			Number	Pass-Through Entity			
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.2.6.3.8	-	418,061
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.2.6.4.8	-	235,540
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.2.6.5.8	-	287,313
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.2.7.2.8	-	271,912
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.3.1.1.8	-	74,461
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.3.1.3.8	-	39,094
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.3.7.1.8	-	2,021
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.3.7.3.8	-	(169)
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.3.8.1.8	-	195,904
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.3.8.2.8	-	1,049,819
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.3.8.3.8	-	38,656
		Geosciences	47.050	Consortium for Ocean Leadership	SA12-11	-	382,375
		Geosciences	47.050	Consortium for Ocean Leadership	SA12-11/WBS 8.3.11.2.8	-	73,925
		Geosciences	47.050	Consortium for Ocean Leadership	SA12-11/WBS 8.3.11.3.8	-	4,375
		Geosciences	47.050	Consortm of Univ for the Advncmt of Hydrologic Sciences, Inc	1338606-18-02	-	9,268
		Geosciences	47.050	Incorporated Research Institutions for Seismology	05-OSU-SAGE	456,359	903,412
		Geosciences	47.050	Princeton University	SUB0000235	-	4,418
		Geosciences	47.050	SRI International	119-000243	-	5,294
		Geosciences	47.050	University Corporation for Atmospheric Research	Z16-21960	-	(6)
		Geosciences	47.050	University of Alaska	PO FP40101 / UAF 13- 0131	-	(36)
		Geosciences	47.050	University of Alaska - Fairbanks	UAF 18-0071/P0521787	-	12,503
		Geosciences	47.050	University of Arizona	4010190 / PO 241794	-	79,431
		Geosciences	47.050	University of Colorado Boulder	1552512	-	11,818
		Geosciences	47.050	University of Hawaii	MA1125/MA130035/PO Z10048082	-	53,303
		Geosciences	47.050	University of Texas at Austin	UTA17-000311	-	113,105
		Geosciences	47.050	University of Utah	10037588-OR	-	18,520

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i>	<i>Pass-Through Entity</i>	<i>Pass-Through Identifying Number</i>	<i>Passed through to Subrecipients</i>	<i>Total Expenditures</i>
		Geosciences	47.050			191,143	31,423,187
		IODP Shipboard Scientist Expedition 352	47.000	Consortium for Ocean Leadership	PO T352A11	-	5,366
		IODP Shipboard/Onshore Scientist Expedition 350	47.000	Consortium for Ocean Leadership	PO T350A11	-	474
		Japanese Tsunami Marine Debris (JTMD) and Alien Species Invasions: PICES Year 3: Continued Interception of Non-Native Species on JTMD and Detection in North America to Understand Invasion Risk	47.000	Williams College	2016-06-Biol/Mystic	-	7
		Mathematical and Physical Sciences	47.049	California Institute of Technology	7S-1098591	-	13,860
		Mathematical and Physical Sciences	47.049	University of Delaware	27187	-	(84)
		Mathematical and Physical Sciences	47.049	University of Oregon	2003U0A	-	34,028
		Mathematical and Physical Sciences	47.049	Willamette University	WU-NSFRCN-04-2013	-	8,369
		Mathematical and Physical Sciences	47.049			870,756	4,307,381
		Microbiological Support on IODP Expedition 349 - South China Sea	47.000	Consortium for Ocean Leadership	PO T349A11	-	1,836
		NSF IPA Agreement: Dr. Weng-Keen Wong	47.000			-	192,724
		Office of International Science and Engineering	47.079			193,397	214,448
		Oregon Regional MATE ROV Program, Year 4	47.000	Monterey Peninsula College	2017-2309	-	(399)
		OSU's ASA REU Application	47.000	American Statistical Association	2017-2302	-	25,354
		Polar Programs	47.078			-	(255)
		Shipboard Scientist IODP Expedition 341	47.000	Consortium for Ocean Leadership	T341B11	-	(1,500)
		Social, Behavioral, and Economic Sciences	47.075			-	306,354
		<i>National Science Foundation Total</i>				3,535,540	71,998,764
	Nuclear Regulatory Commission	Improving the Accuracy of Beta Dosimetry for VARSKIN	77.000			-	(1,622)
		Maintenance and Development of the VARSKIN 5 Computer Code	77.000			-	221,145
		U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008			-	163,406
		<i>Nuclear Regulatory Commission Total</i>				-	382,929
		Total Research and Development Cluster				17,756,105	189,950,220
	Childcare and Development Fund						
	Department of Health and Human Services	Child Care and Development Block Grant	93.575	Oregon Child Care Resource and Referral Network	05-07RR04	-	(3,011)
		Child Care and Development Block Grant	93.575	Oregon Dept of Education	10439	-	35,029
		Child Care and Development Block Grant	93.575	Oregon Dept of Education	10506	-	272
		Child Care and Development Block Grant	93.575	Oregon Dept of Education	10854 / Index 93576	-	50,410
		Child Care and Development Block Grant	93.575	Oregon Dept of Education	10948	-	99,713
		Childcare and Development Fund				-	182,413

See accompanying Notes to Schedule of Expenditures of Federal Awards.

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i>	<i>Pass-Through Entity</i>	<i>Pass-Through Identifying Number</i>	<i>Passed through to Subrecipients</i>	<i>Total Expenditures</i>
Fish and Wildlife							
	Department of the Interior	Wildlife Restoration and Basic Hunter Education	15.611	Alaska Department of Fish and Game	CT 160001029/160001422	-	36,930
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept of Fish & Wildlife	080-16	-	176,745
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept of Fish & Wildlife	093-16	-	93,212
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept of Fish & Wildlife	144-15	-	212,870
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept of Fish & Wildlife	267-13	-	48,359
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept of Fish & Wildlife	497-14	-	4,513
		Wildlife Restoration and Basic Hunter Education	15.611	Texas Parks and Wildlife	499990 / 490790	-	70,837
	Total Fish and Wildlife Cluster					-	643,466
Highway Planning and Construction							
	Department of Transportation	Highway Planning and Construction	20.205	California Department of Transportation	65A0608	-	121,843
		Highway Planning and Construction	20.205	Oregon Dept of Transportation	26828-5	-	256
		Highway Planning and Construction	20.205	Oregon Dept of Transportation	30530-16-05	-	46,045
		Highway Planning and Construction	20.205	Oregon Dept of Transportation	30530-17-01	-	91,542
		Highway Planning and Construction	20.205	Oregon Dept of Transportation	30530-17-03	-	91,292
		Highway Planning and Construction	20.205	Oregon Dept of Transportation	30530-18-02	-	100,018
		Highway Planning and Construction	20.205	Oregon Dept of Transportation	RS-17-77-01	-	121,500
		Highway Planning and Construction	20.205	Oregon Dept of Transportation	RS-18-77-01	-	167,459
		Highway Planning and Construction	20.205	University of California Berkeley	00008910/30286	-	92,946
	Total Highway Planning and Construction Cluster					-	832,901
SNAP							
	Department of Agriculture	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	149825	-	(1,001)
		State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	152303	198,915	7,193,251
		State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	152781	-	44,231
	Total SNAP Cluster					198,915	7,236,481
Special Education (IDEA)							
	Department of Education	Special Education_Grants to States	84.027	Lebanon Community School District	2015-2681	-	3,420
		Special Education_Grants to States	84.027	Lebanon Community School District	2017-0870	-	5,329
		Special Education_Grants to States	84.027	Lebanon Community School District	2017-2038	-	28,976
	Total Special Education Cluster (IDEA)					-	37,725

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<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA</i>	<i>Pass-Through Entity</i>	<i>Pass-Through</i>	<i>Passed through</i>	<i>Total</i>
			<i>Number</i>		<i>Identifying Number</i>	<i>to Subrecipients</i>	<i>Expenditures</i>
TRIO							
	Department of Education	TRIO_Student Support Services	84.042			-	465,015
		TRIO_Upward Bound	84.047			-	142,603
	Total TRIO Cluster					-	607,618
Other							
	Agency for International Development	Cooperative Development Program (CDP)	98.002	Arizona State University	15-652	-	21,400
	Department of Agriculture	An Evaluative Strategic Approach Involving International Students and the Don't Pack a Pest Campaign	10.000			-	(8,313)
		Chiloquin Community Forest and Fire Project, Landowner Outreach and Education Plan	10.000	American Forest Foundation	FY 17-3677	-	12,953
		Chiloquin Summer Lunch Program	10.000	Oregon Dept of Education	1815001	-	1,411
		Developing Adapted Varieties and Optimal Management Practices for Quinoa in Diverse Environments	10.000	Washington State University	C#20718	-	(9,203)
		Don't Pack a Pest Campaign	10.000			-	97,450
		Establishing Phytophthora Resistant Port-Orford-Cedar in Curry County	10.000			-	1,624
		Forests, People, Fire: Interactions, Dynamics, and Adaptation in Fire-Prone Landscapes of the Eastern Cascades of Oregon	10.000			-	(8)
		Inner City Youth Institute	10.000			-	14,999
		Long-Term Ecological Reflections VI: Further Collaborations among Ecosystem Scientists, Environmental Philosophers, and Writers	10.000			-	10,515
		Model Eastside Private Forestland Collaborative	10.000	Oregon Dept of Forestry	2015-916	-	15,067
		Oregon Explorer Western Wildfire Risk Assessment Project	10.000	Oregon Dept of Forestry	2015-1549	-	36,246
		Oregon Forest Pest Detector	10.000	Oregon Dept of Forestry	2016-1951	-	55,186
		Research Natural Areas Establishment and Management	10.000			-	11,258
		Willamette National Forest Recreation Study and Analysis Project	10.000			-	18,538
		<i>CFDA 10.000 Subtotal</i>				-	257,723
		Agricultural Research_Basic and Applied Research	10.001			-	36,227
		Plant and Animal Disease, Pest Control, and Animal Care	10.025			-	139,515
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept of Agriculture	ODA 3574 GR	-	51
					ODA-3691-GR / PCA		
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept of Agriculture	20393	-	25,411
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept of Agriculture	ODA-3692-GR	11,250	24,732
		<i>CFDA 10.170 Subtotal</i>				-	50,194
		Grants for Agricultural Research, Special Research Grants	10.200	University of Washington	UWSC8830 BPO 12436	-	4,468
		Sustainable Agriculture Research and Education	10.215	University of Wyoming	1003285	-	7,939
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867006 / EW14-031	-	11,235
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867040-278	-	22,016
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-183	-	10,711
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-298	-	7,052
		Sustainable Agriculture Research and Education	10.215	Utah State University	200592-379	-	23,881
		Sustainable Agriculture Research and Education	10.215			-	12,708
		<i>CFDA 10.215 Subtotal</i>				-	95,542

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			<i>Number</i>		<i>Identifying Number</i>	<i>to Subrecipients</i>	<i>Expenditures</i>
		Higher Education - Institution Challenge Grants Program	10.217	University of Missouri	C00041710-2	-	7,792
		Higher Education - Multicultural Scholars Grant Program	10.220			-	89,851
		Integrated Programs	10.303	University of Georgia	RC300-326/S000744	-	6,429
		Integrated Programs	10.303	Washington State University	123479_G003380	-	(2)
		Integrated Programs	10.303	Washington State University	123484_G003397	-	3,848
		<i>CFDA 10.303 Subtotal</i>				-	<u>10,275</u>
		Organic Agriculture Research and Extension Initiative	10.307	Purdue University	8000064233-AG	-	7,458
		Organic Agriculture Research and Extension Initiative	10.307	The Organic Center for Education & Promotion	16-1256	-	6,356
		Organic Agriculture Research and Extension Initiative	10.307	The Organic Center for Education & Promotion	17-1080	-	2,802
		Organic Agriculture Research and Extension Initiative	10.307	Tuskegee University	22091 410 62112	-	193
		Organic Agriculture Research and Extension Initiative	10.307	University of Illinois, Urbana- Champaign	075978-15348 (2014- 06469-01)	-	7,374
		Organic Agriculture Research and Extension Initiative	10.307	Utah State University	14082303-280	-	2,364
		Organic Agriculture Research and Extension Initiative	10.307			-	<u>268,891</u>
		<i>CFDA 10.307 Subtotal</i>				-	<u>295,438</u>
		Agriculture and Food Research Initiative (AFRI)	10.310			-	33,841
		Beginning Farmer and Rancher Development Program	10.311	Organic Seed Alliance	2017-1005	-	13,022
		Beginning Farmer and Rancher Development Program	10.311			38,732	<u>164,522</u>
		<i>CFDA 10.311 Subtotal</i>				<u>38,732</u>	<u>177,544</u>
		National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	10.328			268,456	497,975
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California Agriculture & Natural Resources	SA14-2309-03	-	19,530
		Crop Protection and Pest Management Competitive Grants Program	10.329			-	206,500
		<i>CFDA 10.329 Subtotal</i>				-	<u>226,030</u>
		Value-Added Producer Grants	10.352	University of Vermont	32499SUB52482	-	4,903
		Risk Management Education Partnerships	10.460			-	31,144
		Cooperative Extension Service	10.500	Kansas State University	S17119	-	8,425
		Cooperative Extension Service	10.500	Washington State University	108815-G003706	-	36,625
		Cooperative Extension Service	10.500			-	<u>5,225,349</u>
		<i>CFDA 10.500 Subtotal</i>				-	<u>5,270,399</u>
		Child and Adult Care Food Program	10.558	Oregon Dept of Education	02-15002	-	52,331
		Forestry Research	10.652			-	27,506
		Cooperative Forestry Assistance	10.664	Oregon Dept of Forestry	2017-501	-	8,027
		Cooperative Forestry Assistance	10.664			-	<u>72,976</u>
		<i>CFDA 10.664 Subtotal</i>				-	<u>81,003</u>
		Soil and Water Conservation	10.902			-	<u>72,812</u>
		<i>Department of Agriculture Total</i>				318,438	7,462,513

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	Department of Commerce	Coastal ocean modeling and data assimilation system transition (COAT) / West Coast Operational Forecast System (WCOFS)	11.000			-	93,295
		External Coordinator for the Center for Independent Experts	11.000	NTVI Communications, Inc.	SA-14-NOAA-02 Task Order 01	-	29,698
		NOAA Newport Research Station O&M	11.000			-	443,472
		<i>CFDA 11.00 Subtotal</i>				-	566,465
		NOAA Mission-Related Education Awards	11.008	National Marine Sanctuary Foundation	17-03-B-109	-	3,259
		Sea Grant Support	11.417	University of Delaware	33698	-	(324)
		Sea Grant Support	11.417			-	1,519,114
		<i>CFDA 11.417 Subtotal</i>				-	1,518,790
		Marine Sanctuary Program	11.429			-	53,201
		National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432			-	9,407
		Unallied Industry Projects	11.452			-	343
	<i>Department of Commerce Total</i>					-	2,151,465
	Department of Defense	Roadmap Preparation for NAVAIR	12.000			-	4,147
		Techniques and Tools for De-Bloating Containers	12.000	University of Wisconsin - Madison	785K864	-	95,579
	<i>Department of Defense Total</i>					-	99,726
	Department of Education	2017 Ambitious Math and Science Summer Institute Co-sponsored by Oregon Department of Education and Oregon State University	84.000	Oregon Dept of Education	ODE 265117 (43984)	-	11,073
		Explorer at Large Proposal Planning	84.000	Explorer At Large, LLC	2017-953 / 2017-2390	-	27,004
		Ontario SD - Migrant Leadership Institute	84.000	Ontario School District	13	-	10,000
		<i>CFDA 84.000 Subtotal</i>				-	48,077
		Migrant Education_State Grant Program	84.011	Forest Grove School District	No. 012	-	4,416
		Migrant Education_State Grant Program	84.011	Oregon Dept of Education	10657	-	(1,171)
		Migrant Education_State Grant Program	84.011	Oregon Dept of Education	10858	-	137,573
		Migrant Education_State Grant Program	84.011	Oregon Dept of Education	10882	-	130,624
		Migrant Education_State Grant Program	84.011	Oregon Dept of Education	11687	-	33,903
		Migrant Education_State Grant Program	84.011	Oregon Dept of Education	11738	-	1,747
		<i>CFDA 84.011 Subtotal</i>				-	307,092
		Migrant Education_High School Equivalency Program	84.141			7,658	494,787
		Migrant Education_College Assistance Migrant Program	84.149			-	428,179
		Gaining Early Awareness and Readiness for Undergraduate Programs	84.334			592,614	2,313,273
		Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	84.367	Western Oregon University	TRSUB16.12	5,222	41,138
		Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	84.367	Western Oregon University	TRSUB17.02	-	52,811
		<i>CFDA 84.367 Subtotal</i>				5,222	93,949
	<i>Department of Education Total</i>					610,716	3,685,357

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Cluster	Federal Grantor	Program Title	CFDA		Pass-Through Identifying Number	Passed through to Subrecipients	Total Expenditures	
			Number	Pass-Through Entity				
Department of Energy		Delivery of Course on Nuclear Arms Control and Nonproliferation	81.000	DOE Pacific Northwest National Lab	268581	-	(250)	
		Develop and Implement a Sustainable Agrochemical Security Training Program in India: Team with Indian Partners to Conduct Back-to-Back Train-the-Trainer Workshops and Action Planning for Several Indian States	81.000			-	6,072	
		National Defense Science and Engineering Graduate Fellowship - Daniel Watkins	81.000	American Society for Engineering Education	Not Available	-	14,434	
		National Defense Science and Engineering Graduate Fellowship - Hannah Rolston	81.000	American Society for Engineering Education	Not Available	-	16,343	
		National Defense Science and Engineering Graduate Fellowship - Selene Fregosi	81.000	American Society for Engineering Education	Not Available	-	1,846	
		National University Consortium Joint Appointment	81.000	Idaho National Laboratory	161644-0002	-	94,937	
		Nuclear Security Education Program - Transferring the Curriculum to Oregon State University	81.000	DOE Pacific Northwest National Lab	Not Available	-	171,892	
		Radiological Emergency Response Training	81.000	Oregon Dept of Energy	17-004	-	10,744	
		Transitioning the OSU Nuclear Security Education Program into an E-Campus Delivery Format	81.000	DOE Pacific Northwest National Lab	199062-374881	-	16,905	
		<i>CFDA 81.000 Subtotal</i>				-	332,923	
		Renewable Energy Research and Development	81.087			-	(204,328)	
		Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	81.117			-	315,771	
		Nuclear Energy Research, Development and Demonstration	81.121			-	241,658	
		Environmental Monitoring/Cleanup, Cultural and Resource Mgmt., Emergency Response Research, Outreach, Technical Analysis	81.214	Oregon Dept of Energy	17-032	-	9,715	
		Environmental Monitoring/Cleanup, Cultural and Resource Mgmt., Emergency Response Research, Outreach, Technical Analysis	81.214	Oregon Dept of Energy	18-0005	-	16,157	
		<i>CFDA 81.214 Subtotal</i>				-	25,872	
		<i>Department of Energy Total</i>				-	711,896	
	Department of Health and Human Services		Indigenizing the BRACE framework: Swinomish climate change and health	93.000	Swinomish Indian Tribal Community	2018-2527	-	1,254
	Department of Homeland Security		Pre-Disaster Mitigation	97.047	Oregon Office of Emergency Management	PDMC-PL-10-OR-2014-001	-	24,421

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			Number	Pass-Through Entity				
Department of the Interior		Clean Vessel Act Outreach, Education and Maintenance Training	15.000	Oregon State Marine Board	2015-17	-	55,301	
		Continued Computer Support for High Resolution Regional Climate Data	15.000			-	11,280	
		CVA Outreach, Education, and Maintenance Training	15.000	Oregon State Marine Board	1719-FAC-001	-	70,726	
		<i>CFDA 15.000 Subtotal</i>				-	<u>137,307</u>	
		Recreation Resource Management	15.225			-	16,528	
		Secure Rural Schools and Community Self-Determination	15.234			-	2,906	
		Providing Water to At-Risk Natural Desert Terminal Lakes	15.508			-	48,291	
		Fish and Wildlife Management Assistance	15.608			-	1,264	
		Youth Engagement, Education, and Employment	15.676			-	433	
		U.S. Geological Survey_ Research and Data Collection	15.808			-	20,548	
		Cooperative Research and Training Programs Resources of the National Park System	15.945			-	135,358	
		<i>Department of the Interior Total</i>				-	<u>362,635</u>	
	Department of Transportation		TLE Modernization	20.000	Oregon Dept of Transportation	26828-030	-	65,128
			Recreational Trails Program	20.219	Oregon Dept of Parks & Recreation	RT16-027	-	8,338
			National Priority Safety Programs	20.616	Oregon Dept of Transportation	M9MT-18-50-02	-	4,410
		National Priority Safety Programs	20.616	Oregon Dept of Transportation	M9MT-18-50-03	-	39,996	
		<i>CFDA 20.616 Subtotal</i>				-	<u>44,406</u>	
		University Transportation Centers Program	20.701	University of Washington	BPO8248/UWSC8230	-	130,691	
		University Transportation Centers Program	20.701	University of Washington	UWSC10006/BPO26179	-	7,274	
		University Transportation Centers Program	20.701	University of Washington	UWSC10011/BPO26198	-	34,381	
		University Transportation Centers Program	20.701	University of Washington	UWSC10012/BPO26202	-	28,779	
		University Transportation Centers Program	20.701	University of Washington	UWSC10360 /BPO 30036	-	9,530	
		University Transportation Centers Program	20.701	University of Washington	UWSC10361/BPO30040	-	821	
		<i>CFDA 20.701 Subtotal</i>				-	<u>211,476</u>	
		<i>Department of Transportation Total</i>				-	<u>329,348</u>	
Environmental Protection Agency		Continuation of Alan Herlihy IPA with U.S. EPA	66.000			-	(41)	
		Nonpoint Source Implementation Grants	66.460	Oregon Dept of Environmental Quality	126-17	-	28,412	
		Office of Research and Development Consolidated Research/Training/Fellowships	66.511			-	27,538	
		Pollution Prevention Grants Program	66.708	Oregon Dept of Environmental Quality	001-18	-	47,114	
		Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies	66.716	eXtension Foundation	SA-2017-42	-	9,672	
		Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies	66.716	University of California, Davis	201600040-01	-	126,102	
		Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies	66.716			28,375	1,079,657	
		<i>CFDA 66.716 Subtotal</i>				<u>28,375</u>	<u>1,215,431</u>	
		<i>Environmental Protection Agency Total</i>				<u>28,375</u>	<u>1,318,454</u>	

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Oregon State University
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2018

<i>Cluster</i>	<i>Federal Grantor</i>	<i>Program Title</i>	<i>CFDA Number</i>	<i>Pass-Through Entity</i>	<i>Pass-Through Identifying Number</i>	<i>Passed through to Subrecipients</i>	<i>Total Expenditures</i>	
	Institute of Museum and Library Services	Grants to States	45.310	Oregon Historical Society	2017-0835	-	730	
	National Aeronautics and Space Administration	Science	43.001	University of Washington	UWSC8887/BPO13185	105,412	108,748	
		Science	43.001	WGBH Educational Foundation	K201600659	-	(240)	
		Science	43.001	WGBH Educational Foundation	K201700542	-	112,626	
		Science	43.001			-	80,266	
		<i>CFDA 43.001 Subtotal</i>					<i>301,400</i>	
		Education	43.008			124,218	568,158	
	<i>National Aeronautics and Space Administration Total</i>						229,630	869,558
	National Endowment for the Humanities	Promotion of the Humanities_Office of Digital Humanities	45.169			-	24,460	
		Promotion of the Humanities_Professional Development	45.163			-	122,323	
	<i>National Endowment for the Humanities Total</i>						-	146,783
	Vietnam Education Foundation	Fellowship Program	85.802			-	34,750	
	Department of Justice	Juvenile Mentoring Program	16.726	National 4-H Council	2013-1548	-	(516)	
		Juvenile Mentoring Program	16.726	National 4-H Council	2017 NMP7	-	149,971	
		Juvenile Mentoring Program	16.726	National 4-H Council	2018 NMP 8	-	18,218	
		Juvenile Mentoring Program	16.726	National 4-H Council	4HNMP YR7	-	60,000	
	<i>Department of Justice Total</i>						-	227,673
Total Other						1,187,159	17,447,963	
Total Federal Expenditures						\$ 19,136,957	\$ 421,743,125	

See accompanying Notes to Schedule of Expenditures of Federal Awards.

**OREGON STATE UNIVERSITY
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2018**

NOTE 1 BASIS OF PRESENTATION

The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal award activity of Oregon State University under programs of the federal government of the year ended June 30, 2018. The information in this Schedule is presented in accordance with the 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). Because the Schedule presents only a selected portion of the operations of Oregon State University, it is not intended to and does not present the financial position, changes in net position, or cash flows of Oregon State University.

NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Expenditures reported on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedule, if any, represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Oregon State University has elected not to use the 10-percent de minimis indirect cost rate allowed under the Uniform Guidance.

NOTE 3 FEDERAL STUDENT LOAN PROGRAMS

The federal student loan program listed subsequently is administered directly by Oregon State University, and balances and transactions relating to these programs are included in Oregon State University's basic financial statements. Loans outstanding at the beginning of the year and loans made during the year are included in the federal expenditures presented in the Schedule. The balance of loans outstanding at June 30, 2018 consists of:

<u>Program Title</u>	<u>CFDA Number</u>	<u>Amount Outstanding</u>
Perkins Loans	84.038	\$27,425,000

**OREGON STATE UNIVERSITY
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2018**

Section I – Summary of Auditors' Results

Financial Statements

1. Type of auditors' report issued: Unmodified
2. Internal control over financial reporting:
- Material weakness(es) identified? yes no
 - Significant deficiency(ies) identified? yes none reported
3. Noncompliance material to financial statements noted? yes no

Federal Awards

1. Internal control over major federal programs:
- Material weakness(es) identified? yes no
 - Significant deficiency(ies) identified? yes none reported
2. Type of auditors' report issued on Compliance for major federal programs: Unmodified
3. Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)? yes no

Identification of Major Federal Programs

CFDA Number(s)

Various
10.500

Name of Federal Program or Cluster

Student Financial Assistance Cluster
Cooperative Extension Services

Dollar threshold used to distinguish between Type A and Type B programs:

\$3,000,000

Auditee qualified as low-risk auditee?

yes no

**OREGON STATE UNIVERSITY
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2018**

Section II – Financial Statement Findings

Our audit did not disclose any matters required to be reported in accordance with *Government Auditing Standards*.

Section III – Findings and Questioned Costs – Major Federal Programs

Our audit did not disclose any findings or questioned costs related to Major Federal Programs required to be reported in accordance with *Government Auditing Standards*.