

**OREGON STATE UNIVERSITY**  
**SINGLE AUDIT REPORT**  
**FOR THE YEAR ENDED JUNE 30, 2019**

**OREGON STATE UNIVERSITY  
SINGLE AUDIT REPORT  
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FOR THE YEAR ENDED JUNE 30, 2019**

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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, 2019 and 2018, and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated October 31, 2019. 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  
October 31, 2019



**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 the University's major federal program for the year ended June 30, 2019. The University's major federal program is 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 the University's major federal program 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 the 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 its major federal program for the year ended June 30, 2019.

**Other Matters**

The results of our auditing procedures disclosed an instance of noncompliance, which is required to be reported in accordance with the Uniform Guidance and which is described in the accompanying schedule of findings and questioned costs as item 2019-001. Our opinion on the major federal program is not modified with respect to this matter.

The University's response to the noncompliance finding identified in our audit is described in the accompanying Schedule of Findings and Questioned Costs. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

**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 the major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for the 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, we identified a certain deficiency in internal control over compliance, as described in the accompanying schedule of findings and questioned costs as item 2019-001 which we consider to be a significant deficiency.

The University's response to the internal control over compliance finding identified in our audit is described in the accompanying Schedule of Findings and Questioned Costs. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

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, 2019 and 2018, and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 31, 2019, 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.

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.



**CliftonLarsonAllen LLP**

Denver, Colorado  
October 31, 2019

**Oregon State University  
Schedule of Expenditures of Federal Awards  
For the Year Ended June 30, 2019**

<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>	
<b>Student Financial Aid</b>								
	<b>Department of Education</b>	Federal Direct Student Loans	84.268				\$ 137,888,710	
		Federal Pell Grant Program	84.063				29,386,206	
		Federal Perkins Loan Program Federal Capital Contributions	84.038				27,424,537	
		Federal Supplemental Educational Opportunity Grants	84.007				921,788	
		Federal Work-Study Program	84.033				1,159,135	
<b>Total Student Financial Aid Cluster</b>							<b>196,780,376</b>	
<b>Research and Development</b>								
	<b>Agency for International Development</b>	Aquaculture and Fisheries Collaborative Research Support Program	98.000			817,193	2,377,141	
		Cooperative Development Program (CDP)	98.002	Arizona State University	15-652		118,393	
		Cooperative Development Program (CDP)	98.002	Arizona State University	17-242		20,535	
		Cooperative Development Program (CDP)	98.002	University	ASUB00000016		81,742	
		USAID Foreign Assistance for Programs Overseas	98.001				(965)	
<i>Agency for International Development Total</i>							<b>817,193</b>	<b>2,596,846</b>
	<b>Department of Agriculture</b>	1890 Institution Capacity Building Grants	10.216	Kentucky State University	2018-1959		22,862	
		1994 Institutions Research Program	10.227	Northwest Indian College	28754		1,447	
		1994 Institutions Research Program	10.227	Northwest Indian College	28755		4,388	
		1994 Institutions Research Program	10.227	Northwest Indian College	NWIC-28757-01		11,775	
		A Climate Change Assessment of Vegetation, Fire, and Ecosystem Services for Tribal lands in the Pacific Northwest	10.000				3,968	
		A Field Test of Local Adaptation in Bluebunch Wheatgrass ( <i>Pseudoroegneria spicata</i> )	10.000				10,462	
		A Headwater Stream Multi-Species Inventory of Fish and Amphibians Using Environmental DNA	10.000				94,365	
		A machine vision system for forest harvesting equipment: Individual tree detection, measurement, and localization using stereoscopy an digital image processing	10.000				50,523	
		Adapting to Revenue Changes Due to Declines in Timber Harvest: A Case Study in Oregon	10.000				28,723	
		Agricultural Research Basic and Applied Research	10.001	University of Nebraska	25-6235-0275-004		2,054	
		Agricultural Research Basic and Applied Research	10.001	USDA - Ag Research Service	59-5082-6-001		82,234	
		Agricultural Research Basic and Applied Research	10.001	Washington State University	132740_G003799		3,477	
		Agricultural Research Basic and Applied Research	10.001			168,268	4,662,120	



<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>
		Agriculture and Food Research Initiative (AFRI)	10.310	Colorado State University	G-91600-7		141,048
		Agriculture and Food Research Initiative (AFRI)	10.310	Michigan State University	RC105883OR		33,049
		Agriculture and Food Research Initiative (AFRI)	10.310	North Carolina Agricultural and Technical State University	240846A		4,368
		Agriculture and Food Research Initiative (AFRI)	10.310	North Carolina State University	2015-0097-09		2,022
		Agriculture and Food Research Initiative (AFRI)	10.310	Texas A & M University	06-M1702385		77,852
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Arkansas	UA AES 0402-		18,861
		Agriculture and Food Research Initiative (AFRI)	10.310	University of California, Davis	201503531-02		(1)
		Agriculture and Food Research Initiative (AFRI)	10.310	University of California, Merced	22488OS		88,615
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Delaware	25866		(13)
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Florida	UFSP00011383		(3,384)
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	Project 00089533		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	AN0746-SB-846463		62,721
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	BDK640-SB-001 /		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	PO P0045056		10,228
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	BJKL03-SB-001 /		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	PO PA031110	(1,310)	(1,680)
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	BJKP55-SB-001		38,810
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	BJKQ80-SB-002		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Idaho	P0053120		119,798
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Maryland	Z5775004		188,255
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Vermont	28069 SUB51557		
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Oregon	UWSC 6362 / BPO		(2,041)
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Washington	6217 (729759)		22
		Agriculture and Food Research Initiative (AFRI)	10.310	University of Wisconsin	583K284		(3,161)
		Agriculture and Food Research Initiative (AFRI)	10.310	Washington State University	122925 G003378		31,647
		Agriculture and Food Research Initiative (AFRI)	10.310	Washington State University		445,943	3,078,581
		Alfalfa and Forage Research Program	10.330	University	131889-G003802		25,112
		Amenity migration and public lands in the western U.S.	10.000				14,000
		Amphibian Disease Ecology: Context Matters	10.000				6,355
		An Analysis of Potential Water Use and Water Quality Impacts on Upper Coastal Plain Watersheds Under Intensive Woody Biofuel Management	10.000				6,618
		Analysis of demographic rates of Northern Spotted Owls: a meta-analysis workshop.	10.000				(247)

<b>Cluster</b>	<b>Federal Grantor</b>	<b>Program Title</b>	<b>CFDA Number</b>	<b>Pass-Through Entity</b>	<b>Pass-Through Identifying Number</b>	<b>Passed through to Subrecipients</b>	<b>Total Expenditures</b>
		Analysis of Forest Service Inventory Data from Forested Habitats Across the USA	10.000				102,848
		Analysis of private timber harvesting in NWFP region using remote-sensed data	10.000				5,850
		Animal Health and Disease Research	10.207				40,736
		Annual Variation in Abundance of Small Mammals on the H. J. Andrews Experimental Forest, Oregon	10.000				109,717
		Approaches to assessing climate vulnerability of PNW Forest Ecosystems	10.000				31,611
		Assessing and Addressing Effects of Forest Management on Pacific Marten Habitat in Western Forests	10.000				11,229
		Assessing fuel management strategies to reduce landscape-level wildfire risk and transmission	10.000				(57)
		Biomass Research and Development Initiative Competitive Grants Program (BRDI)	10.312	The Ohio State University	60068526		345
		Biotechnology Risk Assessment Research	10.219				181,799
		Black stain root disease: An emerging threat to young Douglas-fir forests in the Oregon Coast range	10.000				7,945
		Center for Intensive Planted-Forest Silviculture (CIPS)	10.000				25,770
		Climate Change Effects on Coastal Riverscapes in Oregon	10.000				42,085
		Climate Change Effects on Coastal Riverscapes in the Pacific Northwest	10.000				1,060
		Collaboration for improving sample identification and developing genomic resources for western red cedar (Thuja plicata).	10.000				1,314
		Collaboration for improving species identification and developing genomic resources for Cedrela odorata	10.000				24,869
		Comparison and quality assessment of stream layer products	10.000				9,219
		Continued Development of and Analysis with the Forestry Sector and Bioenergy Components of FASOM-GHG	10.000	U.S. Endowment for Forestry & Communities, Inc.		17,161	17,161
		Cooperative Forestry Assistance	10.664		P3-4		5,698
		Cooperative Forestry Research	10.202				1,120,556
		Critical Zone Science along the Pacific Coastal Margin	10.000				7,890
		Crop Insurance	10.450				2,688,628
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California Agriculture & Natural Resources	SA14-2309-05		21,614
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California, Davis	SA14-2309-01		18,303
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California, Davis	SA18-4060-06		3,024
		Demography of Northern Spotted Owls in Oregon and Washington	10.000				879,159

<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>
		Demonstrating novel soil management and plant nutrition regimes to protect water quality, improve soil, and increase plant health and disease resistance in sweet cherry orchards	10.000	Dry Hollow Family Orchards	FY17-3205		137
		Describing bear use of salmon resource waves in the Copper River Delta, Alaska	10.000				15,000
		Design for Mobile Anchors in Logging Systems: Field Verification and Dissemination	10.000				(35)
		Determining the minimum treatment area and importance of soil moisture for effective soil solarization in nurseries	10.000				2,904
		Developing a Wilderness Character Monitoring Protocol for the US Forest Service	10.000				3,393
		Developing Education and Research Infrastructure and Programs at the H.J. Andrews Experimental Forest	10.000				(415)
		Developing Forest Health Indicators of Climate Change in the Pacific Northwest to Identify Forested Watersheds at Risk and Develop Adaptation Strategies to Protect Forests: A Literature Review	10.000				17,066
		Developing Oregon's Christmas tree seed capacity to meet consumer demands	10.000	Oregon Dept. of Agriculture	ODA-3933-GR		21,341
		Developing the Next Generation Dynamic Vegetation Model for the Pacific Northwest	10.000				2,483
		Dry Farming Collaborative participatory research and decision-making tools, information sharing platforms, and resource development	10.000			2,250	23,387
		Early detection of Phytophthora aff. kernoviae from commercial nurseries in Oregon and California	10.000				5,767
		Early Seral Synthesis	10.000				(3)
		Early-seral habitat changes in public and private forestlands in western Oregon and Washington	10.000				(43)
		Ecology and Management of Mammalian Prey in the Pacific Northwest	10.000				382
		Ecosystem Processes and Productivity: Biomass and nutrient cycling in the Pacific Northwest	10.000				1,435
		Effect of thinning in riparian areas in headwater streams in northern California	10.000				75,722
		Enhancements to the USDA Forest Service National Lichens & Air Quality Database and Clearinghouse Website	10.000				13,637
		Enhancing Landslide Inventorying using LiDAR USFS Landslide Inventorying Tools using LiDAR and GIS	10.000				64,151
		Enhancing long term research and data management at the H.J. Andrews Experimental Forest	10.000				123,133
		Establish a new phosphorous acid MRL for U.S. blueberry exports to the EU	10.000	University of California, Davis	201700387-03-OSU-DeFrancesco		39
		Evaluating and comparing amitraz resistance in Varroa mite populations in the United States and Canada	10.000	Project Apis m.	2019-2415		13,182
		Evaluating assisted migration options for adapting to climate change	10.000				31,917
		Evaluating downscaled climate data and vegetation models at regional scales	10.000				243,664

<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>
		Evaluating Forest Collaboratives as a Model of Natural Resource Governance	10.000				21,926
		Evaluating stand thinning as a means to mitigate drought: The influence of topography	10.000				19,385
		Evaluating the impacts of Douglas-fir competition on the physiological processes of Oregon white oak	10.000				1,530
		Evaluating the nectar and pollen resources of alternative livestock forages to alfalfa	10.000	Project Apis m.	2019-1988		2,099
		Evaluation of Oregon Tanoak for Genetic Resistance to Sudden Oak Death (caused by Phytophthora ramorum) and Gene Conservation of Tanoak	10.000				20
		Evolution of rivers and landscapes in the Pacific Northwest: a critical zone perspective	10.000				39,595
		Examining Preferences for Ecosystem Services as Forest Management Outcomes	10.000				(11)
		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				16,368
		Exotic Mollusk Survey	10.000	Oregon Dept. of Agriculture	ODA-4102-IG		8,392
		Exotic species invasion dynamics in eastern Oregon and the Blue Mountain Ecoregion (BME)	10.000				65,529
		Expanding access to specialty produce in the NW through variety trials and market introduction of overwintering and storage crops	10.000	Organic Seed Alliance	ODA-3359-GR / PCA 20335		(793)
		Federal Cooperators Wood-Based Composite Center	10.000				106
		Field Evaluation of Biofilms that reduce water usage in some specialty fruit crops	10.000	Oregon Dept. of Agriculture	ODA-3932-GR		51,343
		Fire history in central Oregon: role of landscape heterogeneity and application to current management	10.000				46,870
		Fisher recolonization and recovery in Oregon	10.000				57,820
		Fitting Biomass Equations for Pacific Northwest Tree Species	10.000				75,563
		Food web structure in freshwaters	10.000				44,552
		Forest Health Protection	10.680				173,750
		Forestry Research	10.652				31,603
		Go Big or Go Home? Tools and Processes for Scaling up Collaborative Forest Restoration	10.000				23,401
		Grants for Agricultural Research, Special Research Grants	10.200	University of California Riverside	A18-0916-S045 201302570-06-		1,549
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	OSU-DeFrmsc-FoodU 201502587-05-		745
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	OSU-DeFranc-FoodU 201502587-38-		(73)
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	OSU-Peachey-PERF		4

<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>
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S007		4,010
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S008		7,325
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S009		3,657
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S010		5,394
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S011		25,906
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S012		7,000
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S013		8,343
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S046		10,000
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S050		3,774
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S051		8,996
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S052		15,702
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S053		15,703
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S058		11,590
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S059		8,525
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S068		4,834
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	A18-0916-S079		72,343
		Grants for Agricultural Research, Special Research Grants	10.200	University of California, Davis	AP1008-SB2-870848 /PO		
		Grants for Agricultural Research, Special Research Grants	10.200	University of Idaho	PA048287		12,793
		Grants for Agricultural Research, Special Research Grants	10.200	University of Washington	UWSC9743/BPO31410		101,761
		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		281,698
		Grants for Agricultural Research, Special Research Grants	10.200				12,499
		Higher Education Graduate Fellowships Grant Program	10.210				101,469
		Homeland Security Agricultural	10.304	University of California, Davis	201603794-03 / A17-0222-S011		54,599
		Identifying Barriers of Diversity and Inclusion in Forestry	10.000				7,710
		Impacts of climate change on goby dispersal and recruitment in Hawaiian streams	10.000				249

<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>
		Implementing Meadow Creek Cattle Grazing Practices to Evaluate Compatibility with Recovery of Threatened Salmonids	10.000				15,907
		Improving Biomass Equations for West Coast Tree Species	10.000				26,575
		Improving Management Strategies to Reduce Damage by Forest and Aquatic Mammals	10.000				(3)
		Influence of Landscape Disturbance on Opportunities to Achieve Land and Fire Management Objectives	10.000				137,670
		Integrated Programs	10.303			(2,044)	200,459
		INTERACTIONS AMONG CONSUMERS AND STREAM FUNCTIONAL PROCESSES IN THE PACIFIC NORTHWEST: SCALING RESPONSES FROM PATCHES TO WATERSHEDS	10.000				6,392
		International Forestry Programs	10.684				34,931
		Interpreting hydro-geomorphic responses of streams and landscapes to climate change: new management options and tools	10.000				15,262
		Investigating effects of sterol biosynthesis inhibiting fungicides on honey bee health and pollen phytosterol composition	10.000	Project Apis m.	2018-1970		2,004
		Investigating the effects of mixed-severity wildfires on fisher population dynamics in northern California and southern Oregon	10.000				68,512
		Landscape Assessment	10.000				65,380
		Lichen and Bryophyte Indicators and Roles in Forests	10.000				(1,844)
		Lidar- and Phodar- based modeling of stand structure attributes, biomass, and fuels	10.000				86,345
		Lidar for selecting stands for thinning and tree-lists	10.000				17,140
		Lobert and East Hills Private Land Forest Inventory	10.000				4,660
		Long-term Studies of Vegetation Dynamics in the Pacific Northwest	10.000				35,616
		Mapping and identification of sources of lead hotspots in Portland, OR using isotope and analysis of moss	10.000				2,303
		Mapping and Understanding the Ventenata Invasion in the Blue Mountain Ecoregion	10.000				31,462
		Mapping Biomass from 1984-2014 Across the Pacific Northwest from LandTrendr Products	10.000				71,446
		MCH: Development of a Novel Formulation for Tree Protection and Assessment of Ecological Risks to Forest Pollinators	10.000				6,194
		Meadow Creek Pollinator Monitoring - Assessing Responses of Native Bees to Stream Restoration and Ungulate Grazing	10.000				27,770
		Meadow Creek Restoration Monitoring - Assessing Impacts of Climate Change, Grazing, and Restoration Treatments on Vertebrates, Invertebrates, and Vegetation	10.000				64,297
		Meadow Creek Vegetation Responses to Cattle, Deer, and Elk Herbivory for Recovery of Threatened Salmonids and Associated Metrics of Stream and Riparian Health	10.000				16,410

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		Meta-Analysis of Douglas-Fir Provenance Tests to Estimate Responses to Seed Transfer and Climate Change	10.000				4,348
		Microbiological Quality of Agricultural Water on Oregon's Vegetable and Berry Farm	10.000	Oregon Dept. of Agriculture	ODA-3934-GR		53,689
		Mitigation of soilborne Phytophthora ramorum to prevent recurrent nursery infestation	10.000				(3)
		Mortality and regeneration of western tree species - forests at the fringe	10.000				2,767
		Multidecadal Forest Vegetation and Change Assessment Over Regional Landscapes	10.000				264,172
		Multi-scale analysis and planning to support Forest Service fire management policy	10.000				254,421
		My Southern Oregon Woodlands - Oregon Woodscamp Coordination	10.000	American Forest Foundation	NR183A7500120002		14,015
		National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	10.328	University of Idaho	AL1461-SB1-875935 / PA050473		10,436
		Norman E. Borlaug International Agricultural Science and Technology Fellowship	10.777				10,017
		NORTH AMERICAN BAT MONITORING PROGRAM (NABat) USFS R6 COORDINATION AND SUPPORT	10.000				68,748
		Northwest Fire Science Consortium	10.000				98,256
		Northwest Tree Improvement Cooperative	10.000				104,477
		Operational Feasibility Analysis for Cable-Assisted Logging Systems: Equipment Stability and Soil Disturbance	10.000				52,554
		Optimization of multi-species monitoring technique	10.000				25,479
		Oregon Explorer Western Wildlife Risk Assessment and Community Wildfire Protection Planning	10.000	Oregon Dept. of Forestry	2015-1548		19,479
		Organic Agriculture Research and Extension Initiative	10.307	Purdue University	8000064231-AG		43,725
		Organic Agriculture Research and Extension Initiative	10.307	University of Georgia	SUB0001847		33,955
		Organic Agriculture Research and Extension Initiative OSU and SNF Cultural Resource Five-Year Internship Program	10.000			593,014	1,084,398
		P3Nano Rebudget	10.000	Purdue University	8000072326-AG		(43)
		Partnership Agreements	10.699				(133)
		Payments to Agricultural Experiment Stations Under the Hatch Act	10.203				74,077
		Phytophthora Species Diagnostics	10.000				2,946,944
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	Oregon Dept. of Agriculture	ODA-4041-IG		185,089
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	Oregon Dept. of Forestry	ODF-1099-18		19,946
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	University of Hawaii	MA1382		24,745
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	University of Hawaii	MA1382		10,000
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	Virginia Tech	422485-19201		(1,725)
		Plant and Animal Disease, Pest Control, and Animal Care	10.025	Virginia Tech	422603-19201		17,665
		Plant and Animal Disease, Pest Control, and Animal Care	10.025			3,779	519,130

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		Plant Materials for Conservation	10.905				44,024
		PNW Climate Hub Outreach Project	10.000				52,397
		Post-fire response to forest management: Mitigation for improved water quality performance	10.000				59,673
		Potatoes USA Trials	10.000	Potatoes USA	19-79		38,932
		Regional- to National-Scale Landscape Modeling of Water Quality	10.000				73,240
		Response of Forest Aquatic Ecosystems to Riparian Canopy Modifications	10.000				2,422
		RPA Land-Use Modeling	10.000				115,907
				South Central Oregon Economic Development District			
		Rural Business Development Grant	10.351		2019-1677		5,000
		Sagebrush Steppe Monitoring Study	10.000				34,828
		Salmon responses to shifts in hydrology due to climate change	10.000				(311)
		Satellite Direct Readout Collaboration	10.000				2,134
		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				45,922
		Siuslaw National Forest Recreation Study and Analysis Project	10.000				31,080
		Small Business Innovation Research	10.212	Intralytix Inc. K2 BioMicrosystems LLC	2015-33610-23952-1		(4,970)
		Small Business Innovation Research	10.212		FY18-693		20,236
		Small Business Innovation Research	10.212	mAbDx, Inc.	2015-839		(1,966)
		Socioeconomic Aspects of Beaver Management for Rangeland Restoration	10.000				65
				Pheasants Forever Inc.			
		Soil and Water Conservation	10.902		SGI 2.0-16-17		(2,189)
		Soil and Water Conservation	10.902				495,073
		Soil Survey	10.903				19,401
		Southern Blues CFLRP Forest Vegetation and Fuels Multi-Party Monitoring Program	10.000				2,816
		Southern Blues CFLRP Forest Vegetation and Fuels Multi-Party Monitoring Program - Modification #4	10.000				121,531
		Spatial copula modeling of forest inventory variables	10.000				6,721
		Spatial Ecology and Survival of Small Carnivores and Small Mammals in the H.J. Andrews Experimental Forest, Oregon	10.000				120,803
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	5010		88,263
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	5011		74,256
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	5012		63,389
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	5014		30,505
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	Not Available		108,510



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		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-18-008-GR		26,661
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-3693-GR		(9)
		Specialty Crop Block Grant Program - Farm Bill	10.170	University of California Riverside	S-001084		59,505
		Specialty Crop Research Initiative	10.309	Clemson University	1766-207-2020386		412,373
		Specialty Crop Research Initiative	10.309	Colorado State University	G-01363-06		112,638
		Specialty Crop Research Initiative	10.309	Cornell University	61314-9365		(1,653)
		Specialty Crop Research Initiative	10.309	Cornell University	73999-10418		82,500
		Specialty Crop Research Initiative	10.309	Cornell University	79598-10785		41,021
		Specialty Crop Research Initiative	10.309	North Carolina State University	2016-0228-02		237,116
		Specialty Crop Research Initiative	10.309	North Carolina State University	2017-0398-16		141,417
		Specialty Crop Research Initiative	10.309	Texas A&M University	M1900059		29,087
		Specialty Crop Research Initiative	10.309	University of Georgia	SUB00000426		17,531
		Specialty Crop Research Initiative	10.309	University of Minnesota	H006335005		132,191
		Specialty Crop Research Initiative	10.309	University of Minnesota	H007082505		82,356
		Specialty Crop Research Initiative	10.309	Washington State University	123501-G003954		113,801
		Specialty Crop Research Initiative	10.309	Washington State University	123535_G003385		74,549
		Specialty Crop Research Initiative	10.309	Washington State University	125970-G003493		42,355
		Specialty Crop Research Initiative	10.309	South Dakota State University		465,186	1,319,159
		Sun Grant Program	10.320	University	3TB640	508,254	1,465,547
		Sun Grant Program	10.320			47,527	49,659
		Support for the H.J. Andrews Experimental Forest Field Station	10.000				125,289
		Support for the Landscape Change Monitoring System	10.000				21,869
		Supporting "Climate-Smart Ranching" in NE Oregon with a Community-Based Observing Network (CBON) Survey and monitoring of fishers in Oregon	10.000				43,661
			10.000				12,515
		Sustainable Agriculture Research and Education	10.215	Montana State University	G233-19-W7502		6,192
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867028-300		51,491
		Sustainable Agriculture Research and Education	10.215	Utah State University	140867031		10,446
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-168		75,289
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-177		78,396
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-180		20,548
		Sustainable Agriculture Research and Education	10.215	Utah State University	200592-383		22,268
		Sustainable Agriculture Research and Education	10.215	Utah State University	200592-443		13,219
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-516	3,996	34,360
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-543		26,966
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-549		25,805

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		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-555		93,188
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-573		10,057
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-576		20,022
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-581		15,966
		Sustainable Agriculture Research and Education	10.215				21,432
		Sustainable and Thriving Environments of West African Regional Development	10.000				4,433
		Synthesis of Long-Term Data from the Starkey Experimental Forest and Range and Associated Publications on Ungulate Ecology	10.000				1,597
		Technical Assistance for Specialty Crops Program	10.604	University of California, Davis	A16-0082-S004		(70)
		The influence of ungulate herbivory and fire on <i>Ventenata dubia</i> invasion in the Blue Mountain Ecoregion (BME)	10.000				30,901
		Thinning and fuels reduction treatments for ponderosa pine forest restoration	10.000				18,540
		Tracking aquatic species in streams using environmental-DNA	10.000				94,887
		Tracking fish at their upper extent	10.000				60,779
		Treatment effects on predicted fire behavior	10.000				30,091
		Two "new" needle diseases of conifers in the Pacific Northwest Region caused by <i>Phytophthora</i> (red needle cast) and <i>Rhizoctonia</i> (web blight)	10.000				1,260
		Understanding and improving honey bee nutrition to mitigate colony losses	10.000	Project Apis m.	2018-2149		50,244
		Understanding more about the taxonomy of non-game freshwater fishes in the Pacific Northwest	10.000				1,820
		Understanding the Mediating Political, Economic and Social Forces Creating Exurban Residential Environments and Patterns of Outdoor Recreation	10.000				(27)
		Understanding the role of fire refugia in promoting forest ecosystem resilience	10.000				62,057
		Using an Agent-based Model to Evaluate Landscape Restoration Scenarios	10.000				12,685
		Using lidar to select stands for thinning for the Umpqua and Willamette NF	10.000				95,843
		Using the new verbenone antiaggregant formulation "SPLAT" to protect whitebark pine from mountain pine beetle infestation	10.000				5,575
		VAR-FED Hardwoods Silviculture Res	10.000				24,454
		VAR-FED Swiss Needle Cast Cooperative	10.000				6,631
		VAR-FED Tree Improvement Research	10.000				10,001
		Vegetation dynamics following high severity wildfires and the long-term impacts of emergency slope stabilization	10.000				7,325
		Verde River Flows and Aquatic Invertebrates	10.000				11,001
		Water availability in western Oregon headwaters: effects of density management and riparian buffers	10.000				549
		Watersheds Research Coop - Federal Cooperators	10.000				3,928
		Wildfire risk assessments for the Inland West	10.000				(2)

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		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			21,758	21,758
		Wildlife Services	10.028				116,557
		Wood Utilization Assistance	10.674	U.S. Endowment for Forestry & Communities, Inc.	E17-25		145,737
		Wood Utilization Assistance	10.674			68,598	407,738
		Woody Plants traits as predictors of resilience to environmental stress	10.000				4,270
		Working Group for Advancement of Cellulose Nano-materials Use in Cement Based Materials	10.000	U.S. Endowment for Forestry & Communities, Inc.	E18-12	62,661	146,201
		Yreka Study	10.000	U.S. Endowment for Forestry & Communities, Inc.	E16-13		140
	<i>Department of Agriculture Total</i>					<b>2,405,041</b>	<b>31,462,679</b>
<b>Department of Commerce</b>		Arrangements for Interdisciplinary Research Infrastructure	11.619	Colorado State University	G-00745-8		259,276
		Assessing effects of developmental exposure to PCBs on zebrafish	11.000	Abt Associates	48864		23,114
		CCA Proof of Concept Grant/OSU-Cascades ESE Department	11.000	VertueLab	CG-SOW-2018-BladeRunner Energy		8,000
		Center for Sponsored Coastal Ocean Research Coastal Ocean Program	11.478	George Mason University	E2039521		63,504
		Center for Sponsored Coastal Ocean Research Coastal Ocean Program	11.478	University of Maryland Center for Environmental Science	SA075258490 PO		613
		Center for Sponsored Coastal Ocean Research Coastal Ocean Program	11.478	University of Miami	S1503		69,338
		Center for Sponsored Coastal Ocean Research Coastal Ocean Program	11.478			59,442	326,649
		Climate and Atmospheric Research	11.431	Woods Hole Oceanographic Institution	A101397		40,818
		Climate and Atmospheric Research Cluster Grants	11.431			248,107	908,122
			11.020				296,269
		Coastal Zone Management Administration Awards	11.419	University of North Carolina - Wilmington	577280-18-01		7,684
		Coastal Zone Management Administration Awards	11.419	University of Oregon	290130B		144
		Coastal Zone Management Administration Awards	11.419			1,519	7,190
		Columbia River Fisheries Development Program	11.436	Oregon Dept. of Fish & Wildlife	020-11172-IAA-FISH		(13)
		Deschutes River Ceratanova Shasta Presence Evaluation II	11.000	Confederated Tribes of Warm Springs	TC-000011052-000		22,932
		Educational Partnership Program	11.481	University of Maryland Eastern Shore	PO 17716 / year 4		(131)

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		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		137,587
		Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program	11.427				426,318
		Geodetic Surveys and Services (Geodesy and Applications of the National Geodetic Reference System)	11.400	University of New Hampshire	17-035		86,926
		Habitat Conservation	11.463				33,726
		Integrated Ocean Observing System (IOOS)	11.012	Monterey Bay Aquarium Research Institute	1611121		123,789
		Integrated Ocean Observing System (IOOS)	11.012	Southeastern Universities Research Association	2013-011		1,508
		Integrated Ocean Observing System (IOOS)	11.012	University of Washington	UWSC6350 / BPO5105 (730279)		26
		Integrated Ocean Observing System (IOOS)	11.012	University of Washington	UWSC7800 / BPO5119 (762841)		97,052
		Integrated Ocean Observing System (IOOS)	11.012	University of Washington	UWSC9206 / BPO16539		920,310
		Living Marine Resources Cooperative Science Center at OSU	11.000	University of Maryland Eastern Shore	NA16SEC4810007 / Year 1		47,430
		Living Marine Resources Cooperative Science Center at OSU	11.000	University of Maryland Eastern Shore	NA16SEC4810007 / Year 2		118,947
		Living Marine Resources Cooperative Science Center at OSU	11.000	University of Maryland Eastern Shore	NA16SEC4810007- Year 3 / PO7449		42,673
		Marine Mammal Data Program	11.439				95,443
		Measurement and Engineering Research and Standards	11.609	University of Alabama, Huntsville	2017-081		80,015
		Measurement and Engineering Research and Standards	11.609				7,107
		National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432	University of Maryland Woods Hole Oceanographic Institution	18171-Z7813007		70,259
		National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432		A101363		6,111
		National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432			204,832	3,038,159
		NOAA NEWPORT OPERATION AND MAINTENANCE	11.000				647,677
		Ocean Acidification Program (OAP)	11.017			4,032	233,171
		Ocean Exploration	11.011			13,326	22,985
		Production of Mean Annual Maximum Precipitation Grids Using a Specifically Optimized PRISM System	11.000				7,245
		Sea Grant Support	11.417	University of Oregon	2409U0A		3,044
		Sea Grant Support	11.417			331,794	1,759,175
		Unallied Science Program	11.472	EcoNorth	2017-710		3,870

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		Unallied Science Program	11.472	North Pacific Research Board	1533		(42)
		Unallied Science Program	11.472	North Pacific Research Board	1712		18,218
		Unallied Science Program	11.472	North Pacific Research Board	1723		95,201
		Unallied Science Program	11.472	North Pacific Research Board	1801		52,000
		Unallied Science Program	11.472	North Pacific Research Board	A93-01b		30,268
		Unallied Science Program	11.472	North Pacific Research Board	A99-01		31,247
		Unallied Science Program	11.472				18,668
	<i>Department of Commerce Total</i>					<b>863,052</b>	<b>10,289,622</b>
<b>Department of Defense</b>		2017 Charter Party Agreement with ADH Environmental for Shiptime on R/V Oceanus	12.000	ADH Environmental	ADH MTCA FY18		34,623
		A Mechanistic Understanding of PFASs in Source Zones: Characterization and Control	12.000			174,185	279,613
		Active Transfer Learning of Latent Competencies	12.000	EduWorks	2016-502		(16)
		Adult Salmonids Trap and Transport Success Above Dams	12.000			46,731	448,872
		AFR 03-101-OS-02	12.000	Torc Robotics Southern University and A&M College	AFR 03-101/OS-02 OSP-02-8300-2018-0011		(8)
		Air Force Defense Research Sciences Program	12.800	University of Texas at Austin	UTA16-001294		25,355
		Air Force Defense Research Sciences Program	12.800			60,000	128,795
		Analysis of Defense Related Ecosystem Services	12.000	Leidos Inc.	P010083638		145,456
		Anomaly Detection at Multiple Scales	12.000	Vanderbilt University Medical Center	VUMC 63462		(2,984)
		Automatic Sensing for Clinical Documentation (ASCD)	12.000				141,232
		Autonomous Floats Navigation	12.000				22,661
		Autonomous Underwater Vehicle Passive Acoustic Monitoring of Beaked Whales in the Southern California Area	12.000	HDR One Company	1000300001180-CONFORMED		4,238
		Avian Predation: East Sand Island Passive Integrated Transponder (PIT) Tag Recovery and Predation Rates, 2017	12.000	Real Time Research Brigham Young University	2017F0014-OSU		13
		Basic and Applied Scientific Research	12.300	University	16-0481		103,155
		Basic and Applied Scientific Research	12.300	Cornell University	74642-10533		124,162
		Basic and Applied Scientific Research	12.300	Portland State University	203SID410		(1,413)
		Basic and Applied Scientific Research	12.300	University of St. Andrews	SMC7-XOBO19 / 13374		132,714
		Basic and Applied Scientific Research	12.300			186,339	5,331,989
		Basic Scientific Research	12.431				21,389
		Biologically Sourced Sonar and Soundscape Interrogation - OSU	12.000	Raytheon SAS	HR001119C0012		6,629

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		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		37,069
		Characterization of the Nature and Extent of Per- and Polyfluoroalkyl Substance (PFASs) in Environmental Media at DoD Sites for Informed Decision Making	12.000				51,613
		Charter Party Agreement with ADH Environmental for Shiptime on R/V Oceanus	12.000	ADH Environmental	ADH Charter Agreement		60,494
		Chinook and Steelhead Surrogate Planning	12.000				(4,390)
		Collaborative Research and Development	12.114	Towson University Washington	23, PO# 7359, Project# 5040400		143,425
		Collaborative Research and Development Command and Control of Aggregate Swarm Tactics (CCAST)	12.114	Department of Ecology	C1900055		25,000
		DARPA D3M, "EVE"	12.000	Raytheon SAS Charles River Analytics Inc.	LBN9513582 SC1619901		243,004
		Demonstration of commercially available high-performance PAM glider and profiler float	12.000				67
		Detection and Classification of Clicks and Whistles in Ishmael and ROCCA	12.000	Bio-Waves, Inc.	BW-2017-03		2
		Determination of Impacts on Juvenile Salmon from Predation by Double-crested Cormorants and Caspian Terns on East Sand Island	12.000	Real Time Research	20150004-OSU		1
		Development of Slow Release Compounds for the Aerobic Cometabolic Treatment of Complex Mixtures of COC Released from Low Permeability Zones	12.000			49,879	350,462
		Development, Evaluation, and Technology Transfer of BMPs for Optimizing Removal of PAHs, PCBs, PFASs, and Metals from Stormwater at DoD Sites	12.000				426,392
		Direct 3D Printing of Soft Stretchy Rubber	12.000	CACI Inc. Innovative Imaging and Research	P000011915		(9,024)
		Drone-based Sensing of the Nearshore Environment Embodied Neuroprostheses	12.000	University of Utah	2018-665 10038415-OR		15,007
		Evaluation of a Naval Shipyard Cleanup Project	12.000	CH2M Hill, Inc.	10006-7-107098		15,483
		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		57,280
		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		101,658
		Examining the influence of salient visual cues on collective behavior in human crowds	12.000				6,244
		FIELDS: Fabricating with Interoperable Engineering, Planning, Design, and Analysis	12.000				17,746
		Flow-population models for tracking non-stationary changes in riparian and aquatic ecosystems	12.000			101,930	84,284
		High-Speed Analog-to-Digital Converter Development	12.000	Voxtel, Inc.	W31P4Q-16-C-0086		237,970
							(271)

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		Humpback Whale Tagging In Support Of Marine Mammal Monitoring Across Multiple Navy Training Areas In Pacific Ocean	12.000				163,455
		Humpback Whale Tagging in Support of Marine Mammal Monitoring Across Multiple Navy Training Areas in the Pacific Ocean	12.000				445,739
		Ignition, Propagation, and Emissions of Smoldering Combustion: Experimental Analysis and Physics Based Modeling	12.000				299,543
		Implementation of the Inland Avian Predation Management Plan, 2016	12.000	Real Time Research	20160006-OSU		(6)
		Incorporating Photoperiodism in Inspect Phenology Models with Application for Biological Control of Weeds on Department of Defense Lands	12.000			65,101	282,721
		Increasing the thrust-to-weight ratio of a JetCat Engine	12.000	Universal Technology Corporation	FA865014D2411/18-790-0008-38C4		19,088
		Insights into the Long-Term Mass Discharge & Transformation of AFFF in the Unsaturated Zone	12.000	CDM Federal Programs Corportion	6500-001-004-CS		61,392
		JMPS Automated Planning	12.000				53,585
		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		387,058
		Li-Fi Network for Tactical Shelters	12.000	E-Lambda LLC	N6833518C0562		45,348
		Mathematical Sciences Grants Program	12.901				116,401
		Military Medical Research and Development	12.420			178,873	790,486
		Multiscale Simulation Framework for Modeling of Structural Reactive Materials	12.000	Wasatch Molecular, Inc.	2018-981		50,457
		NAVFAC Inspection	12.000	University of Washington	UWSC10469 / BPO31365		35,689
		NEARSHORE MONITORING DATA COLLECTION WITH ARGUS BEACH MONITORING SYSTEM	12.000				92,221
		NewFields Government Services Master Time Charter Agreement	12.000	NewFields Government Services LLC	2016-3086		57,798
		NewFields Government Services Master Time Charter Agreement	12.000	NewFields Government Services LLC	2018-1409		367,024
		PacWave North: Microgrid Demonstrations in a Fully Energetic Open-Coastal Setting	12.000	University of Washington	UWSC11130/BPO39672		39,524
		Real-time Remotely Sensed Topography and Bathymetry using Visible and LWIR Imagery Acquired from Small UASs, Phase II	12.000	Innovative Imaging and Research Carnegie Mellon University	2018-1430		51,352
		Research and Technology Development	12.910	University	1190050-405770		118,361
		Research and Technology Development	12.910	Columbia University	1(GG014532-04)		37,614
		Research and Technology Development	12.910	Defense Advanced Research Projects Agency	D18AP00063	41,431	187,617
		Research and Technology Development	12.910	Defense Advanced Research Projects Agency	Not Available		6,357

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		Research and Technology Development	12.910	Raytheon SAS	PO LBN9513024	22,053	328,054
		Research and Technology Development	12.910	University of California, Los Angeles	1015 G UA493		203,419
		Research and Technology Development	12.910			215,172	2,659,646
		Resilient Emergent Properties of Autonomous Agent Interactions (REPAIR)	12.000	Smart Information Flow Technologies	REPAIR-PH2-OSU-01		158,614
		San Clemente Argus Station OutYear Maintenance and Ops	12.000				88,355
		SBIR (Phase II): Nonlinear Optical Threat Protection Technologies for Daytime Cameras	12.000	Voxtel, Inc.	2018-2029 /		86,402
		Scaled Assembly of Heterogeneous Nanomaterials (SAHN)	12.000	Voxtel, Inc.	2016-915		83,903
		Scientific Research - Combating Weapons of Mass Destruction	12.351			92,103	186,806
		Sediment Dynamics at Yaquina Bay, Oregon	12.000				4,284
		Self-Learned Agents for Collective Analysis of Human Activities and Events in Aerial Videos	12.000	Boston Fusion Corp	BF-5047-SK001		4,434
		Simple performance-characterized automatic detection of marine mammal sounds	12.000				61,516
		Simulation of Multiphase Interactions in Reactive Structural Materials	12.000	Wasatch Molecular, Inc.	2018-1025		51,461
		SpiderBots	12.000	CACI Inc.	P000012572		(194)
		Tag recovery operation for Navy research collaborators	12.000	HDR One Company Scientific Systems	1000300000602		1
		Teammate aware autonomy	12.000	Company Inc.	SC-1656-02		44,125
		Transparent Computing	12.000	Galois Inc.	2015-011		235,951
		YAB Crystal Growth	12.000	Voxtel, Inc.	2017-2789		84,220
	<i>Department of Defense Total</i>					<b>1,233,797</b>	<b>16,832,026</b>
<b>Department of Education</b>		Education Research, Development and Dissemination	84.305	Yale University	GR103267 (CON-80001285)		7,884
		Education Research, Development and Dissemination	84.305			146,445	1,125,000
		English Language Acquisition State Grants	84.365			98,944	411,285
		MAAPS: Monitoring Advising Analytics to Promote Student Success	84.000	Georgia State University Research Foundation Inc.	SP00012139-08		168,617
		Overseas Programs - Doctoral Dissertation Research Abroad	84.022				6,353
		Postsecondary Education Scholarships for Veteran's Dependents	84.408				1,897
		Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	84.325				469,812
		Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	84.367	Western Oregon University	TRSUB14.07		(922)
		Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	84.367	Western Oregon University	TRSUB18.04		6,290
	<i>Department of Education Total</i>					<b>245,389</b>	<b>2,196,216</b>



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	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		13,785
		Advanced manufacturing of metallic fuels and cladding by equal-channel angular pressing	81.000	Idaho National Laboratory	145660-00020		31,086
		Advanced Research Projects Agency - Energy	81.135	Gas Technology Institute	S618		1,461
		Advanced Research Projects Agency - Energy	81.135	Sharp Laboratories of America	2013-2150		(1,420)
		Advanced Research Projects Agency - Energy	81.135	University of Illinois, Urbana-Champaign	2013-00286-05		(1,043)
		Advanced Research Projects Agency - Energy	81.135			105,976	354,881
		Avian Predation on Juvenile Salmonids in the Lower Columbia River	81.000			94,385	409,172
		BENCHMARK COMPARISONS OF DRIFTING HYDROPHONE SYSTEMS WITH PNNL	81.000	DOE Pacific Northwest National Lab	445770-445759		23,782
		Better Scientific Software Fellowship	81.000	DOE Oak Ridge National Laboratory	4000168106		6,728
		Center for Next Generation of Materials by Design: Incorporating Metastability	81.000	DOE National Renewable Energy Lab	XGJ-4-42247-01		114,607
		Conservation Research and Development	81.086	OnTo Technology LLC	2018-1735		3,851
		Conservation Research and Development	81.086				94,556
		Control-informed WEC performance optimization	81.000	Sandia National Laboratories	1957986		63,885
		Converting Natural Gas to Liquid Fuels by Low Energy Electrical Corona Discharge Processes	81.000			531,890	956,373
		Coupling Monte Carlo and Deterministic Methods for Multiband Cross Section Generation and Applications	81.000	Lawrence Livermore National Laboratory	B625784		1,534
		Data Analysis of Godiva-IV Experiments to Measure Fission Product Yields from 235U and 238U	81.000	Lawrence Livermore National Laboratory	B626572		18,521
		Defense Nuclear Nonproliferation Research	81.113	University of Michigan	(3003222385)		149,586
		Demonstration of In-situ Thermal Hydraulic Monitoring of Printed Circuit and Additively Manufactured Compact Heat Exchangers for VTR Testing	81.000	Idaho National Laboratory	0221030		1,267
		Design and Experimental Characterization of a LOCA Capsule for Transient Testing	81.000	Idaho National Laboratory	145660-00026		124,314
		DESIGN OF AN IN-PILE EXPERIMENTAL LOOP FOR FAST TEST REACTOR CONDITIONS	81.000	Idaho National Laboratory	145660-00022		105,655
		Developing Process-Microstructure-Property Correlation of Radiation-Tolerant Nanoporous and Nanostructured Materials for High Irradiation Environments	81.000	Sandia National Laboratories	PO 2034563		2,337
		Developing Proper Generalized Decomposition Approaches to Modeling Rapid Nuclear Reactor Transients with Application to TREAT Experiments	81.000	Idaho National Laboratory	145660-00023		61,130
		Direct Coupling of MC21 to BISON through HDF5 and Exodus Interface Files	81.000	Idaho National Laboratory	145660-0029		71,344
		Electricity Delivery and Energy Reliability, Research, Development and Analysis	81.122	University of Illinois, Urbana-Champaign	078620-15702 (2015-06605-07)		237,324

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		Environmental Monitoring/Cleanup, Cultural and Resource Mgmt., Emergency Response Research, Outreach, Technical Analysis	81.214	Oregon Dept. of Energy	14-025		(802)
		Environmental Remediation and Waste Processing and Disposal	81.104	Vanderbilt University	UNIV59366	(formerly 19067-2)	229,528
		Environmental Remediation and Waste Processing and Disposal	81.104	Department of Ecology	C1900078		75,096
		Evaluate Reproductive Success of hatchery-origin and wild origin Steelhead in Hood River'	81.000				328,217
		Evolution of thermal conductivity in irradiated lithium aluminate	81.000	DOE Pacific Northwest National Lab	378025		23,295
		Exp Ocean Survival of Salmoniids	81.000				318,325
		Feed to Flightstock Tool (F2FT)	81.000	Lawrence Livermore National Laboratory	7449593		5,420
		Fiber-Optic Technology for Downhole Measurement of Potential Groundwater Impacts	81.000	URS Corporation	RES1100426 / 029		(7,543)
		FLOW TESTING OF IN-PILE I-LOOP BOOSTER ELEMENT	81.000	Idaho National Laboratory	145660-33		15,329
		Fossil Energy Research and Development	81.089	University of Texas at Austin	UTA17-000274		114,638
		Fossil Energy Research and Development	81.089				164,307
		Further Security Enhancements for the Oregon State TRIGA® Reactor	81.000	Sandia National Laboratories	PO 1276073		188
		Hanford Natural Resource Damage Assessment Technical Support	81.000	Oregon Dept. of Energy	19-004		17,467
		High Performance Research Reactor Hydro-Mechanical Fuel Test Program	81.000	Idaho National Laboratory	00044868-00029		229,916
		High Temperature Test Facility Shakedown and Matrix Testing	81.000	Idaho National Laboratory	145660-00031		187,022
		Higher Order Finite Element Methods for Thermal Radiation Transport	81.000	Lawrence Livermore National Laboratory	B611208		(584)
		HTTF Testing 2016	81.000	Idaho National Laboratory	00145660-014		682,822
		In Situ Mechanical and Corrosion Testing	81.000	Idaho National Laboratory	0145660-00025		247,253
		Industrial Engineering Support for Low-Enriched Uranium Fuel Fabrication Process Flow - Phase 2	81.000	DOE Pacific Northwest National Lab	199062-277389		191,360
		Industrial Engineering Support for Low-Enriched Uranium Fuel Fabrication Process Flow - Phase 2 (Supplement 2019)	81.000	DOE Pacific Northwest National Lab	445770-446280		89,548
		Informing habitat conservation efforts towards increasing juvenile Chinook salmon size, growth, and survival across stream networks	81.000	Columbia River Inter-Tribal Fish Commission	C19-03 / C1900340		175
		InSPIRE 2.0: Dryland Agriculture and Solar Co-Location	81.000	DOE National Renewable Energy Lab	XHR-9-92172-01		666
		Integral Ractor Containment Condensation Model and Experimental Validation	81.000	Idaho National Laboratory	00128748		(314)
		Machine Learning for Nuclear Data, Criticality Safety and Non-Proliferation Applications	81.000	Los Alamos National Laboratory	511502-513577		39,885
		Management of Ameriflux Network Project	81.000	Lawrence Berkeley National Lab	7117975		250,366

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		Mini-DAQ for Wave Energy Conversion	81.000	Sandia National Laboratories	1985756		18,087
		Model Predictive Control for Wave Energy Implementation Support	81.000	Dehlsen Associates LLC	PO00632 / 2018-2444		63,640
		Multi-Physics Simulation of RIA and LOCA Events with Post-Event Fuel Migration Experiments	81.000	Idaho National Laboratory	145660-00018		114,067
		NATIONAL UNIVERSITY CONSORTIUM TRAVEL SUPPORT	81.000	Idaho National Laboratory	145660-00019		40,696
		NEUTRONIC ANALYSIS OF THE UT Austin NETL REACTOR	81.000	Idaho National Laboratory	30-145660		140,241
		Neutronic design of a new core for the WWR-SM reactor using commodity fuel pins	81.000	DOE Pacific Northwest National Lab	286719		(253)
		Nonproliferation and International Safeguards Senior Design Project	81.000	DOE Pacific Northwest National Lab	445770-448372		682
		Nuclear Energy Research, Development and Demonstration	81.121	University of California Berkeley	00009033/DE-NE0008460		39,964
		Nuclear Energy Research, Development and Demonstration	81.121	University of California, Berkeley	BB01185638-00009946		24,887
		Nuclear Energy Research, Development and Demonstration	81.121	University of Idaho	EH3005-SB-762925		39,205
		Nuclear Energy Research, Development and Demonstration	81.121	University of Mississippi	17-06-016		57,738
		Nuclear Energy Research, Development and Demonstration	81.121	University of New Mexico	327074-874U		83,385
		Nuclear Energy Research, Development and Demonstration	81.121	University of Wisconsin - Madison	775K552 / DE-NE0008714		68,605
		Nuclear Energy Research, Development and Demonstration	81.121			892,879	1,858,574
		Nuclear Non-Proliferation Detector Concept	81.000	Idaho National Laboratory	00145660-00011 GNK498-SB-001, PO P0050995		591
		Office of Science Financial Assistance Program	81.049	University of Idaho			14,400
		Office of Science Financial Assistance Program	81.049	University of Notre Dame	202373		49,529
		Office of Science Financial Assistance Program	81.049			49,024	660,157
		OSU/ORNL GO! Program	81.000	DOE Oak Ridge National Laboratory	4000167629		38,978
		Platform for efficient large-scale storage and analysis of multi-omics data in plant and microbial systems	81.000	Omics Data Automation Inc.	DE-SC0019686_OSU		7,987
		PNNL - Boiteau Joint Appointment Agreement FY19	81.000	Battelle Memorial Institute	445770 / 448636		10,249
		Preparation of Targets for SPIDER	81.000	Los Alamos National Laboratory	408419		795
		Proposal to Idaho National Laboratory to Implement a Joint Appointment for Professor Andrew C. Klein, Department of Nuclear Engineering and Radiation Health Physics	81.000	Idaho National Laboratory	68396-02		1
		Protective Relay Study	81.000	Idaho National Laboratory	145660-00024		4,462
		Pump Commissioning Flow Tests - a Naval Reactor Experimental Loops in ATR	81.000	Idaho National Laboratory	145660-00017	91,416	534,321
		Radiological Emergency Response Training	81.000				14,589

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		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	DE-EE000788-08.6		215,287
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	DE-EE0007888.10.9a		36,855
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	DE-EE0007888-08.4		28,026
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	DE-EE0007888-10.9a		38,176
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	DE-EE007888-10.4	85,954	863,836
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	Not Available		55,954
		Renewable Energy Research and Development	81.087	American Institute of Chemical Engineers	RAPID Project Management		123,772
		Renewable Energy Research and Development	81.087	Dehlsen Associates LLC	PO 00529/2014-1697		(30)
		Renewable Energy Research and Development	81.087	IntraMicron Inc.	17255-S12		37,287
		Renewable Energy Research and Development	81.087	University of California, Los Angeles	4550 G WA295		17,137
		Renewable Energy Research and Development	81.087			467,593	4,668,526
		Reviewing Dossiers of NETL Researchers	81.000	Leidos Inc.	P010225898		9,426
		Stewardship Science Grant Program	81.112	Colorado School of Mines	401140-5802		50,448
		Stewardship Science Grant Program	81.112	University of Notre Dame	203186OSU		232,060
		Stewardship Science Grant Program	81.112				157,798
		Stoerzinger Joint Appointment Agreement	81.000	DOE Pacific Northwest National Lab	445770-448609		10,657
		System Agnostic Switched Reluctance Linear Generator for WECs	81.000	Dehlsen Associates LLC	PO00583/2015-1642		(15,212)
		Target Making for NIFFTE collaboration	81.000	Lawrence Livermore National Laboratory	B616184		19,665
		Technical Review and Input of NETL Research	81.000	Leidos Inc.	P010225898		7,731
		Technical Support for Effects of Wind Forcing on Extreme Wave Modeling	81.000	DOE Pacific Northwest National Lab	403860		8,007
		Technical Support for Natural Resource Trustee for Post-Remedial Restoration of Hanford Nuclear Site	81.000	Oregon Dept. of Energy	15-102		60,892
		Thermal Radiation Transport Using Higher-Order Finite Elements on Meshes with Curved Surfaces	81.000	Lawrence Livermore National Laboratory	B620543		588
		TPC Target Making	81.000	Lawrence Livermore National Laboratory	B630762		33,417
		TREAT HENRI - System Modeling and Prototype Testing	81.000	Idaho National Laboratory	145660-0021		147,301
		Uranium Enrichment Assay with a Spectral Radiography CdTe Detector	81.000	DOE Pacific Northwest National Lab	434114		65,188
		VTR Strategic Initiatives	81.000	University of Pittsburgh	0062228-1		33,889
		<b>Department of Energy Total</b>				<b>2,319,117</b>	<b>16,838,554</b>

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				Northern California Institute for Research and Education	PER1868 - 094604		19,142
	<b>Department of Health and Human Services</b>	Aging Research	93.866	Oregon Health & Science University	1005711_OSU		10,058
		Aging Research	93.866	Pennsylvania State University	5928-OSU-NIA-2167		12,044
		Aging Research	93.866	World Health Organization	201540498/201650964		(9,346)
		Aging Research	93.866			147,344	1,017,782
		Alcohol Research Programs	93.273	The Mind Research Network	6010561 SubN1		3,498
		Alcohol Research Programs	93.273			84,949	404,375
		Allergy and Infectious Diseases Research	93.855	Aradigm Corporation	2014-1030		(1,466)
		Allergy and Infectious Diseases Research	93.855	Aradigm Corporation	2018-45		127,376
		Allergy and Infectious Diseases Research	93.855	Mount Sinai School of Medicine	0254-3243-4609		(428)
		Allergy and Infectious Diseases Research	93.855	Mount Sinai School of Medicine	0254-3245-4609		(1,474)
		Allergy and Infectious Diseases Research	93.855	Mount Sinai School of Medicine	0255-A131-4609/		117,350
		Allergy and Infectious Diseases Research	93.855	Mount Sinai School of Medicine	0255-A132-4609		26,546
		Allergy and Infectious Diseases Research	93.855	Najit Technologies Inc.	2017-1066		5,344
		Allergy and Infectious Diseases Research	93.855	University of Texas	150401 PO		202,292
		Allergy and Infectious Diseases Research	93.855	Southwestern University of Texas	0000000619		148,799
		Allergy and Infectious Diseases Research	93.855	Southwestern University of	160608 / 141405		17,338
		Allergy and Infectious Diseases Research	93.855	Washington	UWSC9071 / BPO 15471		1,675,855
		Allergy and Infectious Diseases Research	93.855	Western University of Health Sciences	20150-Steinauer-OSU	192,056	
		Allergy and Infectious Diseases Research	93.855				
		Arthritis, Musculoskeletal and Skin Diseases Research Assistance Programs for Chronic Disease Prevention and Control	93.846				92,818
		Arthritis, Musculoskeletal and Skin Diseases Research Assistance Programs for Chronic Disease Prevention and Control	93.945	Oregon Health Authority	146299		(5,020)
		Arthritis, Musculoskeletal and Skin Diseases Research Assistance Programs for Chronic Disease Prevention and Control	93.945	Texas A & M University			3,195
		Biomedical Research and Research Training	93.859	University of Nebraska	02-S150274		108,321
		Biomedical Research and Research Training	93.859	University of Nebraska	34-5360-2076-001		39,901
		Biomedical Research and Research Training	93.859	University of Oregon	215030A		6,354
		Biomedical Research and Research Training	93.859	University of Pennsylvania	566033		63,928
		Biomedical Research and Research Training	93.859	Wake Forest University	100100-550010		1,956,841
		Biomedical Research and Research Training	93.859				25,585
		Cancer Cause and Prevention Research	93.393	University of Oregon	215370A		57,508
		Cancer Cause and Prevention Research	93.393				48,768
		Cancer Detection and Diagnosis Research	93.394				43,217
		Cancer Research Manpower	93.398	Oregon Health & Science University	1003692_OSU		51,544
		Cancer Treatment Research	93.395	State University of New York at Buffalo	R1064720		10,623
		Cancer Treatment Research	93.395				

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		Cardiovascular Diseases Research	93.837	New York University	15-A1-00-004212-01		30
		Cardiovascular Diseases Research	93.837	Oregon Health & Science University	1005697_OSU		11,334
		Cardiovascular Diseases Research	93.837	The Ohio State University	60067881		23,949
		Cardiovascular Diseases Research	93.837				3,640
		Centers for Research and Demonstration for Health Promotion and Disease Prevention	93.135			15,921	193,289
		Child Health and Human Development Extramural Research	93.865	Wake Forest University	WFUHS 112761		29,416
		Child Health and Human Development Extramural Research	93.865			90,962	848,726
		Development of NHSN's AUR data and SAAR to support Antibiotic Benchmarking Program among Vizient Members	93.000	Virginia Commonwealth University	FP00004348_SA001		95,126
		Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847				896,812
		Disabilities Prevention	93.184	Special Olympics Georgia Regents University	OSU-001		2,309
		Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286	Oregon Health & Science University	33585-1		16,347
		Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		1008659_OSU		201,954
		Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286			6,208	507,674
		Drug Abuse and Addiction Research Programs	93.279	Boston University	BMC ID 6702 / PO 11524101		84,285
		Drug Abuse and Addiction Research Programs	93.279	Oregon Health & Science University	1012350_OSU		62,691
		Drug Abuse and Addiction Research Programs	93.279	Oregon Health & Science University	1012803_OSU		20,837
		Drug Abuse and Addiction Research Programs	93.279	Second Genome	2019-2155		31,859
		Drug Abuse and Addiction Research Programs	93.279	The Mind Research Network	6010562 SubN1		3,641
		Drug Abuse and Addiction Research Programs	93.279	University of California	10961sc / CTN-0086		102,987
		Drug Abuse and Addiction Research Programs	93.279	San Francisco			195,775
		Environmental Health	93.113	Cornell University	76146-10616		35,167
		Environmental Health	93.113	Omega Optics, Inc.	OSU2014-996		3,943
		Environmental Health	93.113	University of California at San Francisco	10473sc		181,309
		Environmental Health	93.113	Wake Forest University	WFUHS 550032		18,948
		Environmental Health	93.113			397,412	2,518,158
		Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	93.323	Oregon Health Authority	149324		230,880
		Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	93.323	Oregon Health Authority	156294		95,674
		Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	93.323	Oregon Health Authority	157282		13,672
		Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	93.323	Oregon Health Authority	160782		62,553

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		Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853	University of Illinois, Chicago	16979-00		30,080
		Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853				28,892
		Family Smoking Prevention and Tobacco Control Act Regulatory Research	93.077	University of Maryland	54298-Z0067203		5,399
		Information Session: Implementation of Zebrafish Ontologies for Toxicology Screening	93.000	Integrated Laboratory Systems	ILS180706		64,861
		Injury Prevention and Control Research and State and Community Based Programs	93.136	Oregon Health & Science University	1013842_OSU		33,098
		Injury Prevention and Control Research and State and Community Based Programs	93.136			143,945	206,587
		Lung Diseases Research	93.838				15,376
		Mental Health Research Grants	93.242	University of California, Irvine	2017-3450		18,066
		Mental Health Research Grants	93.242	University of South Florida	6405-1101-00-A		5,075
		National Center for Advancing Translational Sciences	93.350	Johns Hopkins University	2004147433		98,226
		National Center for Advancing Translational Sciences	93.350	Oregon Health & Science University	1010312_OSU		146,103
		National Center for Advancing Translational Sciences	93.350	Oregon Health & Science University	1010312_OSU_Newsom		137,959
		National Center for Advancing Translational Sciences	93.350	Oregon Health & Science University	1011902_OSU		25,275
		National Center for Advancing Translational Sciences NIEHS Superfund Hazardous Substances Basic Research and Education	93.350			353,120	739,133
			93.143			2,229	2,419,853
		NIH Data Commons Pilot Phase	93.000	University of North Carolina, Chapel Hill	5109149		143,944
		NIH Data Commons Pilot Phase (NHLBI)	93.000	University of North Carolina, Chapel Hill	5109481		146,466
		Nursing Research	93.361	University of Washington	UWSC9780/BPO 23365		53,504
		Occupational Safety and Health Program	93.262	Center for Construction Research and Training	17-8-PS		17,407
		Occupational Safety and Health Program	93.262	Eastern Washington University	2015-1279 / EWU# SR0008429		(1,284)
		Occupational Safety and Health Program	93.262	Eastern Washington University	2019-746		49,613
		Occupational Safety and Health Program	93.262	Eastern Washington University	SR0009641		22,303
		Occupational Safety and Health Program	93.262	University, Boston, MA	500326-78052		43,654
		Occupational Safety and Health Program	93.262	University of Washington	UWSC10249 / BPO 28873		6,838
		Occupational Safety and Health Program	93.262	University of Washington	UWSC10972 / BPO 37132		170
		Occupational Safety and Health Program	93.262	University of Washington	UWSC9328 / BPO 17849		150,936

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		Occupational Safety and Health Program	93.262			11,029	213,404
		Oral Diseases and Disorders Research	93.121	Oregon Health & Science University	1013028_OSU		23,329
		Oral Diseases and Disorders Research	93.121				385,731
		Policy Research and Evaluation Grants	93.239	University of Wisconsin	745K415		366
		Research and Training in Complementary and Integrative Health	93.213	Oregon Health & Science University	1003333_OSU		42,406
		Research and Training in Complementary and Integrative Health	93.213	Oregon Health & Science University	1004728_OSU		60,631
		Research and Training in Complementary and Integrative Health	93.213	Oregon Health & Science University	1010982_OSU		13,980
		Research and Training in Complementary and Integrative Health	93.213	University of Illinois, Chicago	16883		465,982
		Research and Training in Complementary and Integrative Health	93.213			21,438	762,521
		Research Infrastructure Programs	93.351	Oregon Health & Science University	1003383_OSU		47,985
		Research Infrastructure Programs	93.351		4102-86206 / 11000451-010		1,287
		Research Infrastructure Programs	93.351	Purdue University	217090A		38,700
		Research Infrastructure Programs	93.351	University of Oregon		602,918	1,259,588
		Research on Healthcare Costs, Quality and Outcomes	93.226	Oregon Health & Science University	1015223_OSU		34,119
		Research on Healthcare Costs, Quality and Outcomes	93.226	University of Illinois, Chicago	16660		13,598
		Research on Healthcare Costs, Quality and Outcomes	93.226			373,133	589,516
		Research Related to Deafness and Communication Disorders	93.173				321,118
		Sodium Reduction in Communities	93.082	Oregon Health Authority	153667 PO G11509		104,898
		Trans-NIH Research Support	93.310	Columbia University	2(GG101662-02)		9,291
		Trans-NIH Research Support	93.310	Duke University	203-7880		37,991
		Trans-NIH Research Support	93.310	Duke University	203-7960		64,641
		Trans-NIH Research Support	93.310	Lawrence Livermore National Laboratory	7452392		85,869
		Trans-NIH Research Support	93.310		417050 / UR FAO		(8,894)
		Trans-NIH Research Support	93.310	University of Rochester	GR50630		336,115
		Trans-NIH Research Support	93.310			83,700	
		Vision Research	93.867	Universal Adherence LLC	2018-2480		77,466
		Vision Research	93.867				5,750
		<i>Department of Health and Human Services Total</i>				<b>2,526,364</b>	<b>22,366,575</b>
<b>Department of Homeland Security</b>		Assistance to Firefighters Grant	97.044			288,168	478,560
		Centers for Homeland Security	97.061	University of North Carolina, Chapel Hill	5101654		100,053
		Homeland Security Grant Program	97.067	Central Oregon Community College	18-205		9,967



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		Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies Related to Nuclear Threat Detection	97.077			6,868	222,728
	<i>Department of Homeland Security Total</i>					<b>295,036</b>	<b>811,308</b>
	<b>Department of Justice</b>	Promoting Evidence Integration in Sex Offender Management Discretionary Grant Program	16.203	Portland State University	100102		<b>5,124</b>
	<b>Department of the Interior</b>	2017 Baker & Malheur County Sage-Grouse/Raven Study	15.000	Oregon Dept. of Fish & Wildlife	117-17		167,058
		Adaptive Science	15.670				25,680
		Alaska Subsistence Management Assistance to State Water Resources Research Institutes	15.636	Alaska Department of Fish and Game	170007716		15,894
		Blue & Fin Whale Tagging Analyses and Publications in Support of Marine Mammal Monitoring Across Multiple Navy Training Areas in Southern California	15.000	HDR One Company	1000300001166		57,143
		Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423	San Diego State University Foundation	SA0000494		23,312
		Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423	University of California at Santa Cruz	A15-0068-S003-S0184297		(98)
		Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423				81,008
		Cooperative Ecosystem Studies Units	15.678				323,909
		Cooperative Landscape Conservation	15.669				5,297
		Cooperative Research and Training Programs Resources of the National Park System	15.945			143,655	704,858
		Cooperative Research Units	15.812				1,975,814
		Cultural and Paleontological Resources Management	15.224				60,750
		Earthquake Hazards Program Assistance	15.807				84,465
		Environmental Quality and Protection	15.236			7,686	10,093
		Fish and Wildlife Coordination and Assistance	15.664				66,096
		Fish and Wildlife Management Assistance	15.608				59,081
		Fish, Wildlife and Plant Conservation Resource Management	15.231				766,959
		Forests and Woodlands Resource Management	15.233				(241)
		Genetic Connectivity and Diversity among Bighorn Sheep in the Northern Peninsular Ranges and southern Mojave Desert	15.000				17,459
		Gulf of Mexico Passive Acoustic Monitoring Program	15.000	HDR One Company	1000300001059		153,168
		Interactive Effects of Predators, Habitat, and Livestock Presence on Sage-grouse Demography and Seasonal Habitat Use in Wyoming	15.000				58,876
		Migratory Bird Monitoring, Assessment and Conservation	15.655	High Desert Partnership	2018-3063		4,098
		National Climate Change and Wildlife Science Center	15.820			14,601	128,418
		National Cooperative Geologic Mapping	15.810				16,067
		National Fish and Wildlife Foundation	15.663	National Fish and Wildlife Foundation	0206.17.058208		196,600

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		National Land Remote Sensing Education Outreach and Research	15.815	AmericaView	AV18-OR-01		3,524
		Plant Conservation and Restoration Management	15.245				10,643
		PNW Terrestrial AIM Vegetation Sampling for BLM for the Eagle Lake - Applegate California BLM District in 2019.	15.000			224,727	231,227
		PNW Terrestrial AIM Vegetation Sampling for BLM for the Twin Falls, Idaho BLM District in 2019.	15.000			382,648	389,157
		PNW Terrestrial AIM Vegetation Sampling for BLM in OR and WA, 2019 and 2020 field seasons.	15.000				170,493
		Relating Aleutian Tern Colony Declines in Alaska to Population Trends in the Russian Far East	15.000				11,758
		Research Grants (Generic)	15.650				676
		Sagebrush State and Transition Model Mapping Test	15.000	Nature Conservancy	ORFO-10/26/15-01sb		(145)
		State Wildlife Grants	15.634	Alaska Department of Fish and Game	19-093		15,207
		State Wildlife Grants	15.634	Alaska Department of Fish and Game	CT 170007859		24,349
		State Wildlife Grants	15.634	Oregon Dept. of Fish & Wildlife	426-18		9,450
		Subsistence Salmon Network in Bristol Bay, AK: A Collaborative Project with Alaska Department of Fish and Game	15.000	Alaska Department of Fish and Game	19-111		5,847
		Subsistence salmon networks in Yukon River communities	15.000	Alaska Department of Fish and Game	19-057		8,662
		Toward Near Real-time Monitoring and Characterization of Land Surface Change for the Conterminous US	15.000	Texas Tech University	21H092-01		3,360
		U.S. Geological Survey_ Research and Data Collection	15.808				195,642
		USGS IPA Cascadia mapping	15.000				62,079
		VAR-FED VMRC	15.000				19,951
		Vya Juniper Removal	15.000				78,090
		Wildland Fire Research and Studies	15.232			31,359	244,177
		Wildlife Resource Management	15.247				14,378
	<i>Department of the Interior Total</i>					<b>804,676</b>	<b>6,587,224</b>
<b>Department of Transportation</b>		A Framework to Evaluate Causes and Effects of Truck Driver At-Fault Crashes in Oregon	20.000	Oregon Dept. of Transportation	30530-18-04		71,921
		Air Transportation Centers of Excellence	20.109				50,747
		ARA Performance Specifications	20.000	Applied Research Associates, Inc.	S-001986.01.OSU		1,850
		ASSURE COE task order: Kickoff meeting	20.000				10,000
		Automated Landslide "Hot Spot" Identification Tool for Optimized Climate Change and Seismic Resiliency	20.000	Oregon Dept. of Transportation	30530-18-01	61,295	169,457
		BICYCLE DETECTION AND FEEDBACK ASSESSMENT	20.000	Oregon Dept. of Transportation	30530-19-06		3,858
		BRIDGE DECK ASPHALT CONCRETE PAVEMENT ARMORING	20.000	Oregon Dept. of Transportation	30530-18-05		107,687
		Cascadia Lifelines Research Consortium Public Membership	20.000				33,205

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		Coastal Landslide and Bluff Retreat Monitoring for Climate Change Adaptation and Targeted Risk Assessment	20.000	Oregon Dept. of Transportation	30530-17-02		54,153
		Constructing High Performance Asphalt Pavements by Improving In-Place Pavement Density	20.000	Oregon Dept. of Transportation	30530-19-13		8,526
		Cyclic Response of Young Silt and Clay, Salt Creek Bridge, OR 153	20.000	Oregon Dept. of Transportation	30530-19-14		14,739
		Determining Post-Blast Liquefaction Strength of Silt Development of a Balanced Mix Design Method in Oregon	20.000	Oregon Dept. of Transportation	30530-18-11		12,000
		DEVELOPMENT OF TITANIUM SEISMIC RETROFITS FOR DEFICIENT CONCRETE COLUMNS	20.000	Oregon Dept. of Transportation	30530-18-08		41,061
		Effects of Diatomaceous Silt on Driven Pile Foundations	20.000	Oregon Dept. of Transportation	30530-16-11		5,924
		Field Implementation of Phase Change Materials (PCMs) to Mitigate Ice Formation on Concrete Airport Taxiways and Aprons	20.000	Oregon Dept. of Transportation	30530 18-07		14,084
		GTFS-ride: Transit Ridership Data Standard	20.000	Purdue University	4108-82481		51,769
		Ecosystem Development	20.000	Oregon Dept. of Transportation	30530-18-09		55,055
		Highway Research and Development Program	20.200	National Academy of Sciences	SUB0001074		11,556
		Highway Research and Development Program	20.200	Portland State University	208MON643		1,906
		Highway Research and Development Program	20.200	University of Wisconsin - Madison	739K712		8,444
		Impact of Use of Portland-Limestone Cement on Concrete Performance as Plain or Reinforced Material	20.000	California Department of Transportation	65A0677		155,868
		IMPLEMENTATION OF ODOT TACK COAT TECHNOLOGIES AND PROCEDURES TO IMPROVE LONG-TERM PAVEMENT PERFORMANCE	20.000	Oregon Dept. of Transportation	30530-18-06		109,625
		Improving Constructability and Durability of Concrete Pavements	20.000	Oregon Dept. of Transportation	30530-19-12		5,205
		Material Characterization of Geogrids from Oregon's Oldest Geosynthetic-Reinforced MSE Wall	20.000	Oregon Dept. of Transportation	30530-19-09		4,263
		Modeling and validation of standards for a sleeper compartment on accessible passenger rail vehicles	20.000	National Academy of Sciences	SUB0000855		14,933
		Nonlinear Time History Analysis Accuracy with a Focus on Column Plasticity and Cyclic Degradation	20.000	California Department of Transportation	65A0679	16,043	114,564
		Phase III Testing for Wheeled Mobility Device Containment on Passenger Rail Cars	20.000	Oregon Dept. of Transportation			11,775
		Physics-based modeling of rumble strip noise	20.000	Oregon Dept. of Transportation	30530-19-11		81,059
		Project Progress Tracking using LIDAR and 4D Information Models	20.000	Oregon Dept. of Transportation	30530 18-03		29,392
		Speed Variation and Safety in Work Zones	20.000	Oregon Dept. of Transportation	30530-19-10		57,830
		Subcontract - Improving Specifications to Resist Frost Damage in Modern Concrete Mixtures (Part II)	20.000	Oklahoma State University	1-552974-01 / P0040533		137,167
		Turbulent Flame Speed of Conventional and Alternative Jet Fuels Project	20.000				29,395

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		UAS LIDAR Proof of Concept at Spangler Landslide	20.000	Oregon Dept. of Transportation	30530-19-08		19,996
		University Transportation Centers Program	20.701	University of Washington	BPO8248/UWSC8230		6,658
		University Transportation Centers Program	20.701	University of Washington	26174		51,151
		University Transportation Centers Program	20.701	University of Washington	UWSC10004/BPO26176		55,347
		University Transportation Centers Program	20.701	University of Washington	UWSC10005/BPO26177		68,260
		University Transportation Centers Program	20.701	University of Washington	UWSC10007/BPO26182		21,887
		University Transportation Centers Program	20.701	University of Washington	UWSC10009/BPO26193		16,809
		University Transportation Centers Program	20.701	University of Washington	UWSC10010/BPO26196		10,231
		University Transportation Centers Program	20.701	University of Washington	UWSC10357/BPO30018		5,132
		University Transportation Centers Program	20.701	University of Washington	UWSC10358/BPO30020		10,000
		University Transportation Centers Program	20.701	University of Washington	UWSC10562/BPO32516		8,605
		University Transportation Centers Program	20.701	University of Washington	UWSC10563/BP035916		1,386
		University Transportation Centers Program	20.701	University of Washington	UWSC10564/BPO35918		1,906
		University Transportation Centers Program	20.701	University of Washington	UWSC10576/BPO35917		29,999
		University Transportation Centers Program	20.701	University of Washington	UWSC10577/BPO35919		26,119
		WO31 - TOCS MicroMain Integration	20.000	Oregon Dept. of Transportation	26828-031		28,792
		Work Zone Intrusion Alert Technologies Assessment and Practical Guidance	20.000	Oregon Dept. of Transportation	30530-16-02		(832)
		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		(1)
	<i>Department of Transportation Total</i>					<b>77,338</b>	<b>1,840,463</b>
	<b>Department of Veterans Affairs</b>	Veteran's Economic Burden for Healthcare Under VA and non-VA Health Plan Coverage	64.000	US Department of Veteran Affairs	PO 648-D93059		<b>5,000</b>
	<b>Environmental Protection Agency</b>	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		20,510
		Great Lakes Program	66.469	Loyola University Chicago	516995-OSU		4,789

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		Modeling of Multi-Pollutant Profiles with Applications to RIOPA Study Data and to Indicators of Adverse Birth Outcomes Using Data from the UCLA Environment and Pregnancy Outcome Study (EPOS)	66.000	Health Effects Institute	4783-RFA09-1/09-4		(29)
		Office of Research and Development Consolidated Research/Training/Fellowships	66.511				19,792
		Puget Sound Action Agenda: Technical Investigations and Implementation Assistance Program	66.123	Puget Sound Partnership	2018-19		130,035
		Regional Wetland Program Development Grants	66.461	University of Florida	UFDSP00012054		33,366
		Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies	66.716				203,639
		Science To Achieve Results (STAR) Fellowship Program	66.514				17,072
		Science To Achieve Results (STAR) Research Program	66.509				154,124
	<i>Environmental Protection Agency Total</i>					-	<b>583,298</b>
	<b>Institute of Museum and Library Services</b>	National Leadership Grants	45.312	Indiana University	IN-4370124-OSU		<b>15,412</b>
	<b>National Aeronautics and Space Administration</b>	Acoustic Emission-Based Health Monitoring of Composite Aerospace Structures	43.000	University of Utah	10028917		(686)
		Aeronautics	43.002	Arizona State University	16-883		51,299
		Aeronautics	43.002	Baylor College of Medicine	NCC 9-58-329 / CA04201		(7,139)
		Aeronautics	43.002				305,919
		Assessing the Capabilities of the Ocean Radiometer for Carbon Assessment (ORCA) for the PACE Mission	43.000				11,154
		Atmospheric Modeling in Support of a Mission to Gale Crater on Mars - the Red Dragon Project	43.000	Jet Propulsion Lab	1564595		50,404
		Discovering a Decade of Coastal Winds from Ocean Wind Scatterometers	43.000	Jet Propulsion Lab	1531731		66,741
		Feasibility of estimating sea surface height and upper-ocean vertical velocity from surface ocean currents	43.000	Jet Propulsion Lab	1609395		74,724
		Landing Site Characterization for the Mars 2020 Rover Mission: Atmospheric Modeling for EDL	43.000	Jet Propulsion Lab	1512906		37,099
		Maximizing Utility of Remote Sensing Data for Water Quality Monitoring and Resources Management in California's Water Systems	43.000	Jet Propulsion Lab	1576067		91,278
		Mesoscale and LES Modeling for Atmosphere Characterization for the InSight Mission	43.000	Jet Propulsion Lab	1495237		(36)
		MT Data Acquisition Services for NASA	43.000	Incorporated Research Institutions for Seismology	SU-19-1101-05-OSU	29,707	47,942
		NASA Earth Science Education Collaborative	43.000	Institute for Global Environmental Strategies	Not Available		3,126
		Science	43.001	Bay Area Environmental Research Institute	2018-2683		134,884
		Science	43.001	East West Center	HC13373		58,213
		Science	43.001	East West Center	HC13704		5,292

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		Science	43.001	Harvard University Institute for Global Environmental	130785-5086565		4,325
		Science	43.001	Strategies	18I004		132,753
		Science	43.001	Jet Propulsion Lab	1608320		13,487
		Science	43.001	Jet Propulsion Lab	1612966		5,220
		Science	43.001	Jet Propulsion Lab	1621748		48,183
		Science	43.001	Princeton University	SUB0000206		16,380
		Science	43.001	Smithsonian Institute University of Maryland,	TM9-20002X		3,904
		Science	43.001	Baltimore University of South	NASA0003-01 NNX14AP62A: Sub		83,447
		Science	43.001	Florida University of	2500-1616-00-1 UWSC10734/BPO		106,280
		Science	43.001	Washington WGBH Educational	34586		91,751
		Science	43.001	Foundation WGBH Educational	2018-1996		163,569
		Science	43.001	Foundation Woods Hole	K187348		77,937
		Science	43.001	Oceanographic Institution Woods Hole	A101163		121,456
		Science	43.001	Oceanographic Institution Woods Hole	A101248		39,529
		Science	43.001	Oceanographic Institution	A101346		19,566
		Science	43.001			457,805	4,866,460
		Space Operations	43.007				7,841
		Space Technology	43.012				60,690
		Support for Multi-angle Imaging SpectroRadiometer (MISR) Science Team Activities	43.000	Jet Propulsion Lab	1540933		7,413
		The Phytoplankton Carbon Project	43.000				200
		Wind stress climatology and anomalies along the U.S. East Coast from Coastal QuikSCAT v4.0	43.000	Jet Propulsion Lab	1624044		24,074
		<i>National Aeronautics and Space Administration Total</i>				<b>487,512</b>	<b>6,824,679</b>
<b>National Endowment for the Humanities</b>		Promotion of the Humanities Research	45.161	University of Nebraska	25-1620-0002-005		<b>(70)</b>
<b>National Science Foundation</b>		Assignment of Dr. Robert Stone to the position of Division Director, Division of Civil, Mechanical and Manufacturing Innovation (CMMI), Directorate for Engineering (ENG)	47.000	Carnegie Institution of Washington	6-10548-02		151,042
		Biological Sciences	47.074	Cold Spring Harbor Lab	52930113///513 /PO 920802-SV		(12,618)
		Biological Sciences	47.074	University of Oregon	2000JOB		241,986
		Biological Sciences	47.074		GR103815 (CON- 80001381)		24,338
		Biological Sciences	47.074	Yale University			55,761
		Biological Sciences	47.074			1,391,854	7,602,646

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		Coastal SEES Fog & Redwoods - OSU Ocean Component	47.000	University of California at Santa Cruz	TBD		17,088
		Computer and Information Science and Engineering	47.070	Portland State University	100013		32,444
		Computer and Information Science and Engineering	47.070			153,201	3,634,128
		Continental Crust Formation at intraoceanic arc: foundations, inception, and early evolution	47.000	Consortium for Ocean Leadership	PO T351A11		2
		Education and Human Resources	47.076	American Association for the Advancement of Science	2425-A		26,683
		Education and Human Resources	47.076	American Association of Two-Year Colleges	PS-4		7,050
		Education and Human Resources	47.076	Association of Science-Technology Centers	DRL-1612739		72,136
		Education and Human Resources	47.076	Astronomical Society of the Pacific	2018-03-76-OSU		90,551
		Education and Human Resources	47.076	Gulf of Maine Research Institute	30-LVAISL-OSU		43,584
		Education and Human Resources	47.076	New Knowledge	1612729		88,077
		Education and Human Resources	47.076	Oregon Museum of Science and Industry	ICA Dierking		7,634
		Education and Human Resources	47.076	Pratt Institute	PO#98634		123,967
		Education and Human Resources	47.076	Swinomish Indian Tribal Community	2019-2501		5,599
		Education and Human Resources	47.076	Swinomish Indian Tribal Community	420 20 43 00 NSF		290
		Education and Human Resources	47.076	University of California Berkeley	AISL		24,728
		Education and Human Resources	47.076	University of Georgia	00009327		12,131
		Education and Human Resources	47.076	University of Washington	SUB00001465		125,807
		Education and Human Resources	47.076	Willamette University	UWSC7971/BPO2		5,327
		Education and Human Resources	47.076		762		4,736,769
		Engineering Grants	47.041	Colorado State University	WU-NSFDUE-01-2015		86,922
		Engineering Grants	47.041	CSD-Nano	G-00973-1		148,380
		Engineering Grants	47.041	Rutgers, The State University of New Jersey	2013-1389		(897)
		Engineering Grants	47.041	University of Colorado Boulder	0391		19,084
		Engineering Grants	47.041	University of Virginia	1553393 / PO#		49,652
		Engineering Grants	47.041	University of Washington	1000568175		37,385
		Engineering Grants	47.041	University of Washington	GA11366.160195		174,170
		Engineering Grants	47.041	University of Washington	UWSC8669/BPO		21,706
		Engineering Grants	47.041	Geosciences	10063		6,722,691
		Geosciences	47.050	Columbia University	UWSC9420/BPO	404,303	240,575

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		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11		2,296,256
		Geosciences	47.050	Consortium for Ocean Leadership	SA 12-11/WBS 8.2.6.1.8		(577)
		Geosciences	47.050	Consortium for Ocean Leadership	SA12-11		191,253
		Geosciences	47.050	Consortium for Ocean Leadership	T340B11		1
		Geosciences	47.050	Consortium of Univ for the Advncmt of Hydrologic Sciences, Inc.	1338606-18-02		7,225
		Geosciences	47.050	Incorporated Research Institutions for Seismology	05-OSU-SAGE	309,433	533,127
		Geosciences	47.050	Incorporated Research Institutions for Seismology	SU-19-1001-05-OSU	32,733	175,057
		Geosciences	47.050	Princeton University	SUB0000235		30,639
		Geosciences	47.050	SRI International	119-000243		19,146
		Geosciences	47.050	University of Alaska	PO FP40101 / UAF 13-0131		7
		Geosciences	47.050	University of Alaska - Fairbanks	UAF 18-0071 / P0521787		26,264
		Geosciences	47.050	University of Arizona	4010190 / PO 241794		41,935
		Geosciences	47.050	University of California at Santa Cruz	A17-0931-S001-P0690785		25,459
		Geosciences	47.050	University of Hawaii	MA 1390 /PO# Z10181865		35,268
		Geosciences	47.050	University of Hawaii	MA1125/MA13003		9,720
		Geosciences	47.050	University of Texas at Austin	5/PO Z10048082		156,685
		Geosciences	47.050	University of Utah Woods Hole Oceanographic Institution	UTA17-000311 10037588-OR / PO U000192190		83,134
		Geosciences	47.050	Woods Hole Oceanographic Institution	A101401: OCE-1836985 (CA)		35,279
		Geosciences	47.050	Woods Hole Oceanographic Institution	A101404 OCE-1743430 (CA)		4,126,492
		Geosciences	47.050	American Physical Society	EP3-003-2018	301,242	39,902,817
		Mathematical and Physical Sciences	47.049	California Institute of Technology	7S-1098591		572
		Mathematical and Physical Sciences	47.049	University of Oregon	2003U0A		4,140
		Mathematical and Physical Sciences	47.049			630,988	(653)
		NSF IPA Agreement: Dr. Weng-Keen Wong	47.000				3,882,271
		Office of Integrative Activities	47.083	University of Missouri	C00060846-3		47,486
							16,898



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				Montana State University	G116-19-W7346		10,922
		Social, Behavioral, and Economic Sciences	47.075				124,057
		Social, Behavioral, and Economic Sciences	47.075				
		The effects of shortened school years on school district finances, school programs, and principal and teacher perceptions of school climate	47.000	American Educational Research Association	2018-2566		3,182
	<i>National Science Foundation Total</i>					<u>3,471,272</u>	<u>76,313,958</u>
	<b>Nuclear Regulatory Commission</b>	Maintenance and Development of the VARSKIN 5 Computer Code	77.000				52,625
		U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008				489,466
	<i>Nuclear Regulatory Commission Total</i>					<u>-</u>	<u>542,091</u>
	<b>Total Research and Development Cluster</b>					<u>15,545,787</u>	<u>196,111,005</u>
<b>Childcare and Development Fund</b>							
	<b>Department of Health and Human Services</b>	Child Care and Development Block Grant	93.575	Oregon Dept. of Education	10506		(271)
		Child Care and Development Block Grant	93.575	Oregon Dept. of Education	10854		90,995
		Child Care and Development Block Grant	93.575	Oregon Dept. of Education	10948		110,130
	<b>Total Childcare and Development Fund</b>					<u>-</u>	<u>200,854</u>
<b>Fish and Wildlife</b>							
	<b>Department of the Interior</b>	Wildlife Restoration and Basic Hunter Education	15.611	Alaska Department of Fish and Game	CT 160001029/160001422		101
		Wildlife Restoration and Basic Hunter Education	15.611	Alaska Department of Fish and Game	CT 180000933		29,706
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept. of Fish & Wildlife	080-16		96,401
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept. of Fish & Wildlife	093-16		57,466
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept. of Fish & Wildlife	144-15		217,830
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept. of Fish & Wildlife	249-18		97,251
		Wildlife Restoration and Basic Hunter Education	15.611	Oregon Dept. of Fish & Wildlife	267-13		27,542
		Wildlife Restoration and Basic Hunter Education	15.611	Texas Parks and Wildlife	499990 / 490790		60,562
		Wildlife Restoration and Basic Hunter Education	15.611	Wyoming Game and Fish Department	2852		50,925
	<b>Total Fish and Wildlife Cluster</b>					<u>-</u>	<u>637,784</u>
<b>Highway Planning and Construction</b>							
	<b>Department of Transportation</b>	Highway Planning and Construction	20.205	Oregon Dept. of Transportation	30530-17-01		(884)
		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	30530-18-02	19,762	163,290

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		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	30530-19-01		74,537
		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	30530-19-02		14,968
		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	30530-19-05		9,658
		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	30530-19-07		39,556
		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	31867-01		13,291
		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	RS-18-77-01		132,223
		Highway Planning and Construction	20.205	Oregon Dept. of Transportation	RS-19-77-01		159,070
		Highway Planning and Construction	20.205	University of California Berkeley	00008910/30286		(8,706)
<b>Total Highway Planning and Construction Cluster</b>						<b>19,762</b>	<b>597,003</b>
<b>SNAP</b>							
	<b>Department of Agriculture</b>	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	146694		(87)
		State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	152303	(25,550)	2,160,279
		State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	152303 Amd 2	91,045	5,503,746
		State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	152781 And 1		18,250
		State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	158399		50,731
		State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	10.561	Oregon Department of Human Services	TBD		52,550
<b>Total SNAP Cluster</b>						<b>65,495</b>	<b>7,785,469</b>
<b>Special Education (IDEA)</b>							
	<b>Department of Education</b>	Special Education Grants to States	84.027	Lebanon Community School District	2017-2038	-	<b>7,024</b>

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TRIO							
	Department of Education	TRIO_Student Support Services	84.042				498,783
		TRIO_Upward Bound	84.047				266,376
	<b>Total TRIO Cluster</b>					-	<b>765,159</b>
Other							
	Agency for International Development	Cooperative Development Program (CDP)	98.002	Arizona State University	15-652	-	157,541
	Department of Agriculture	Agricultural Research Basic and Applied Research	10.001	USDA - Ag Research Service	59-5090-8-001		4,200
		Agricultural Research Basic and Applied Research	10.001				103,559
		<i>10.001 CFDA Subtotal</i>					<i>107,759</i>
		Agriculture and Food Research Initiative (AFRI)	10.310				66,992
		Beginning Farmer and Rancher Development Program	10.311	Organic Seed Alliance	2017-1005		4,366
		Beginning Farmer and Rancher Development Program	10.311			3,787	40,754
		<i>10.311 CFDA Subtotal</i>					<i>45,120</i>
		Child and Adult Care Food Program	10.558	Oregon Dept. of Education	02-15002		31,776
		Cooperative Extension Service	10.500	Colorado State University	G-79535-01		1,592
		Cooperative Extension Service	10.500	Kansas State University	S17119		2,965
		Cooperative Extension Service	10.500	Kansas State University	S19117		8,148
		Cooperative Extension Service	10.500	Kansas State University	S19153 / PO-19-00144788		4,161
		Cooperative Extension Service	10.500	University of Minnesota	0001645398		2,900
		Cooperative Extension Service	10.500	Washington State University	108815-G003706		8,347
		Cooperative Extension Service	10.500	Washington State University	134194 G004015		5,992
		Cooperative Extension Service	10.500				5,552,548
		<i>10.500 CFDA Subtotal</i>					<i>5,586,653</i>
		Crop Protection and Pest Management Competitive Grants Program	10.329	University of California Agriculture & Natural Resources	SA14-2309-03		29,933
		Crop Protection and Pest Management Competitive Grants Program	10.329				272,439
		<i>10.329 CFDA Subtotal</i>					<i>302,372</i>
		Developing Adapted Varieties and Optimal Management Practices for Quinoa in Diverse Environments	10.000	Washington State University	C#20718		(1,750)
		Don't Pack a Pest Campaign	10.000				23,155
		Enhancing outreach for the USDA Northwest Climate Hub	10.000				31,195
		<i>10.000 CFDA Subtotal</i>					<i>52,600</i>

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		Environmental Quality Incentives Program	10.912	KCoe Isom LLP	18-2126		28,759
		Environmental Quality Incentives Program	10.912				10,267
		<i>10.912 CFDA Subtotal</i>					<u>39,026</u>
		Forestry Research	10.652				15,870
		Grants for Agricultural Research, Special Research Grants	10.200	University of Washington	UWSC8830 BPO 12436		4,195
		Higher Education - Multicultural Scholars Grant Program	10.220				108,877
		Inner City Youth Institute	10.000				15,737
		Integrated Programs	10.303	University of Georgia	RC300-326/S000744		1,909
		Integrated Programs	10.303	University of Maryland Washington State	52301-Z5671002		9,552
		Integrated Programs	10.303	University	123484_G003397		800
		<i>10.303 CFDA Subtotal</i>					<u>12,261</u>
		National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	10.328			233,652	431,461
		Oregon Explorer Western Wildfire Risk Assessment Project	10.000	Oregon Dept. of Forestry	2015-1549		32,433
		Oregon Forest Pest Detector	10.000	Oregon Dept. of Forestry	2016-1951		27,057
		<i>10.000 CFDA Subtotal</i>					<u>59,490</u>
		Organic Agriculture Research and Extension Initiative	10.307	Lincoln University	2017-3628		2,458
		Organic Agriculture Research and Extension Initiative	10.307	Purdue University	8000064233-AG		46,145
		Organic Agriculture Research and Extension Initiative	10.307	The Organic Center for Education & Promotion	17-1080		1,952
		Organic Agriculture Research and Extension Initiative	10.307	Tuskegee University	22091 410 62112		15,228
		Organic Agriculture Research and Extension Initiative	10.307	University of Illinois, Urbana-Champaign	088736-16613		389
		Organic Agriculture Research and Extension Initiative	10.307	Utah State University	14082303-280		16,203
		Organic Agriculture Research and Extension Initiative	10.307	Utah State University	201160-457		3,687
		Organic Agriculture Research and Extension Initiative	10.307	Washington State University	126216-G003508		32,508
		Organic Agriculture Research and Extension Initiative	10.307				196,853
		<i>10.307 CFDA Subtotal</i>					<u>315,423</u>
		Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers	10.443			16,897	28,439
		Plant and Animal Disease, Pest Control, and Animal Care	10.025				196,808
		Regional Conservation Partnership Program	10.932	Pinchot Institute for Conservation	2016-1196		5,594
		Research Natural Areas Establishment and Management	10.000				18,924
		Risk Management Education Partnerships	10.460				42,963
		Soil and Water Conservation	10.902				91,075
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	5013		2,261
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA 3514 GR		(360)

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		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-18-007-GR		21,344
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-18-008-GR		1,024
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-18-009-GR		3,595
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-18-010-GR		30,576
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-18-015-GR		36,446
		Specialty Crop Block Grant Program - Farm Bill	10.170	Oregon Dept. of Agriculture	ODA-3699-GR		39,120
		<i>10.170 CFDA Subtotal</i>					<u>134,006</u>
		Summer Food Service Program for Children	10.559	Oregon Dept. of Education	1815001		1,825
		Supplemental Nutrition Assistance Program-Education (SNAP-Ed) FY16	10.000	Oregon Department of Human Services	145990		23,582
		Sustainable Agriculture Research and Education	10.215	University of Wyoming	1002627		(1,252)
		Sustainable Agriculture Research and Education	10.215	University of Wyoming	1003285		291
		Sustainable Agriculture Research and Education	10.215	Utah State University	150893-00001-183		10,777
		Sustainable Agriculture Research and Education	10.215	Utah State University	200592-379		12,872
		Sustainable Agriculture Research and Education	10.215	Utah State University	201207-584		22,507
		Sustainable Agriculture Research and Education	10.215				1,887
		<i>10.215 CFDA Subtotal</i>					<u>47,082</u>
		Technical Agricultural Assistance	10.960			2,668	149,181
		Value-Added Producer Grants	10.352	University of Vermont	32499SUB52482		15,782
		Wholesale Farmers and Alternative Market Development	10.164				23,307
		Willamette National Forest Recreation Study and Analysis Project	10.000				47,738
	<i>Department of Agriculture Total</i>					<u>257,004</u>	<u>8,021,918</u>
<b>Department of Commerce</b>		External Coordinator for the Center for Independent Experts	11.000	NTVI Communications, Inc.	SA-14-NOAA-02 Task Order 01		28,159
		Marine Sanctuary Program	11.429				54,293
		Sea Grant Support	11.417				1,529,978
	<i>Department of Commerce Total</i>					<u>-</u>	<u>1,612,430</u>
<b>Department of Defense</b>		Roadmap Preparation for NAVAIR	12.000				(79)
		Techniques and Tools for De-Bloating Containers	12.000	University of Wisconsin - Madison	785K864		119,048
	<i>Department of Defense Total</i>					<u>-</u>	<u>118,969</u>
<b>Department of Education</b>		Gaining Early Awareness and Readiness for Undergraduate Programs	84.334			750,110	2,935,903
		Migrant Education College Assistance Migrant Program	84.149				480,331
		Migrant Education High School Equivalency Program	84.141				470,347
		Migrant Education State Grant Program	84.011	Forest Grove School District	No. 012		2,584
		Migrant Education State Grant Program	84.011	Forest Grove School District	No. 13		10,000

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		Migrant Education State Grant Program	84.011	Oregon Dept. of Education	11687 / 50228		159,718
		Migrant Education State Grant Program	84.011	Oregon Dept. of Education	11738 / 50229		82,995
		<i>84.011 CFDA Subtotal</i>					<u>255,297</u>
		Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	84.367	Western Oregon University	TRSUB16.12		(113)
	<i>Department of Education Total</i>					<u>750,110</u>	<u>4,141,765</u>
		Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	81.117				392,962
	<b>Department of Energy</b>	Environmental Monitoring/Cleanup, Cultural and Resource Mgmt., Emergency Response Research, Outreach, Technical Analysis	81.214	Oregon Dept. of Energy	17-032		4,561
		Environmental Monitoring/Cleanup, Cultural and Resource Mgmt., Emergency Response Research, Outreach, Technical Analysis	81.214	Oregon Dept. of Energy	18-0005		8,550
		<i>81.214 CFDA Subtotal</i>					<u>13,111</u>
		National Defense Science and Engineering Graduate Fellowship - Daniel Watkins	81.000	American Society for Engineering Education	Not Available		16,434
		National Defense Science and Engineering Graduate Fellowship - Hannah Rolston	81.000	American Society for Engineering Education	Not Available		18,621
		National University Consortium Joint Appointment	81.000	Laboratory	161644-0002		55,411
		<i>81.000 CFDA Subtotal</i>					<u>90,466</u>
		Nuclear Energy Research, Development &	81.121				857,132
		Nuclear Security Education Transfer Package	81.000	DOE Pacific Northwest National Lab	419874		22,075
		Transitioning the OSU Nuclear Security Education Program into an E-Campus Delivery Format	81.000	DOE Pacific Northwest National Lab	199062-374881		81,768
		<i>81.000 CFDA Subtotal</i>					<u>103,843</u>
	<i>Department of Energy Total</i>					<u>-</u>	<u>1,457,514</u>
		Assistance Programs for Chronic Disease Prevention and Control	93.945	Oregon Health Authority	158380		31,515
	<b>Department of Health and Human Services</b>	Food and Drug Administration Research	93.103				23,808
		Indigenizing the BRACE framework: Swinomish climate change and health	93.000	Swinomish Indian Tribal Community	2018-2527		3,687
		State Partnership Grant Program to Improve Minority Health	93.296	Neighborhood Housing Services	2015-802		147
	<i>Department of Health and Human Services Total</i>					<u>-</u>	<u>59,157</u>
		Juvenile Mentoring Program	16.726	National 4-H Council	2017 NMP7		(3,162)
	<b>Department of Justice</b>	Juvenile Mentoring Program	16.726	National 4-H Council	2018 NMP 8		36,525
		Juvenile Mentoring Program	16.726	National 4-H Council	4H NMP 9		15,307
		Juvenile Mentoring Program	16.726	National 4-H Council	4HNMP Yr8		11,340
		Juvenile Mentoring Program	16.726	National 4-H Council	4HNMP Yr9		3,592
	<i>Department of Justice Total</i>					<u>-</u>	<u>63,602</u>

<b>Cluster</b>	<b>Federal Grantor</b>	<b>Program Title</b>	<b>CFDA Number</b>	<b>Pass-Through Entity</b>	<b>Pass-Through Identifying Number</b>	<b>Passed through to Subrecipients</b>	<b>Total Expenditures</b>		
<b>Department of the Interior</b>		Continued Computer Support for High Resolution Regional Climate Data	15.000				11,280		
		Cooperative Research and Training Programs Resources of the National Park System	15.945				291,331		
		CVA Outreach, Education, and Maintenance Training	15.000	Oregon State Marine Board	1719-FAC-001		142,903		
		Forests and Woodlands Resource Management	15.233				11,999		
		Recreation Resource Management	15.225				1,371		
		Secure Rural Schools and Community Self-Determination	15.234				3,377		
		U.S. Geological Survey_ Research and Data Collection	15.808				16,749		
		Youth Engagement, Education, and Employment	15.676				9,792		
		<i>Department of the Interior Total</i>						-	<b>488,802</b>
		<b>Department of Transportation</b>		National Priority Safety Programs	20.616	Oregon Dept. of Transportation	M9MT-18-50-02		40,421
National Priority Safety Programs	20.616			Oregon Dept. of Transportation	M9MT-19-50-02		26,652		
<i>20.616 CFDA Subtotal</i>								<u>67,073</u>	
Recreational Trails Program	20.219			Oregon Dept. of Parks & Recreation	RT16-027		67,691		
TLE Modernization	20.000			Oregon Dept. of Transportation	26828-030		144,871		
University Transportation Centers Program	20.701			University of Washington	BPO8248/UWSC8230		1,333		
University Transportation Centers Program	20.701			University of Washington	UWSC10006/BPO26179		83,913		
University Transportation Centers Program	20.701			University of Washington	UWSC10011/BPO26198		9,839		
University Transportation Centers Program	20.701			University of Washington	UWSC10012/BPO26202		25,077		
University Transportation Centers Program	20.701			University of Washington	UWSC10360 /BPO30039		469		
University Transportation Centers Program	20.701			University of Washington	UWSC10361/BPO30040		7,731		
University Transportation Centers Program	20.701			University of Washington	UWSC10362 /BPO 30043		9,996		
University Transportation Centers Program	20.701			University of Washington	UWSC10385/BPO30234		9,953		
University Transportation Centers Program	20.701			University of Washington	UWSC10479 /BPO31501		7,499		
<i>20.701 CFDA Subtotal</i>								<u>155,810</u>	
<i>Department of Transportation Total</i>						-	<b>488,688</b>		
<b>Department of Veterans Affairs</b>		IIR 17-039 Improving Veteran Health by Increasing Dental Stewardship of Antibiotics and Opioids	64.000			-	<b>18,502</b>		
<b>Environmental Protection Agency</b>		Office of Research and Development Consolidated Research/Training/Fellowships	66.511				50,141		

<b>Cluster</b>	<b>Federal Grantor</b>	<b>Program Title</b>	<b>CFDA Number</b>	<b>Pass-Through Entity</b>	<b>Pass-Through Identifying Number</b>	<b>Passed through to Subrecipients</b>	<b>Total Expenditures</b>
		Pollution Prevention Grants Program	66.708	Oregon Dept. of Environmental Quality	001-18		54,331
		Regional Wetland Program Development Grants	66.461	Willamette Partnership	6565		(2,113)
		Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies	66.716			22,246	935,062
		<i>Environmental Protection Agency Total</i>				<b>22,246</b>	<b>1,037,421</b>
	<b>National Aeronautics and Space Administration</b>	Education	43.008	Arizona State University		31,245	472,077
		L'Space Evaluation	43.000	University of Washington	PO-19-00043025 UWSC8887/BPO1 3185		29,021
		Science	43.001	WGBH Educational Foundation		96,450	98,622
		Science	43.001		K201700542		(6,153)
		Science	43.001				129,136
		<i>43.001 CFDA Subtotal</i>					<u>221,605</u>
		<i>National Aeronautics and Space Administration Total</i>				<b>127,695</b>	<b>722,703</b>
	<b>National Endowment for the Humanities</b>	Promotion of the Humanities Office of Digital Humanities	45.169			-	<b>34,578</b>
	<b>Nuclear Regulatory Commission</b>	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008			-	<b>99,500</b>
	<b>Vietnam Education Foundation</b>	Fellowship Program	85.802			-	<b>3,920</b>
		<b>Total Other Cluster</b>				<u>1,157,055</u>	<u>18,527,010</u>
		<b>Total Federal Expenditures</b>				<u><b>16,788,099</b></u>	<u><b>421,411,684</b></u>



**OREGON STATE UNIVERSITY  
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE YEAR ENDED JUNE 30, 2019**

**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, 2019. 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, 2019 consists of:

<u>Program Title</u>	<u>CFDA Number</u>	<u>Amount Outstanding</u>
Perkins Loans	84.038	\$23,297,000

**OREGON STATE UNIVERSITY  
SCHEDULE OF FINDINGS AND QUESTIONED COSTS  
FOR THE YEAR ENDED JUNE 30, 2019**

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***Section I – Summary of Auditors' Results***

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***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)**

84.007, 84.003, 84.038,  
84.063, 84.268, 84.379,  
84.408

**Name of Federal Program or Cluster**

Student Financial Assistance Cluster

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

\$3,000,000/\$750,000

Auditee qualified as low-risk auditee?

yes  no

**OREGON STATE UNIVERSITY  
SCHEDULE OF FINDINGS AND QUESTIONED COSTS  
FOR THE YEAR ENDED JUNE 30, 2019**

**Section I – Summary of Auditors’ Results (Continued)**

**Required Reporting for the Pell Grant Program:**

Sample Description	OPEID	Sample		Population From Which the Sample was Drawn	
		Students Receiving Pell (#)	Pell Disbursed (\$)	Students Receiving Pell (#)	Pell Disbursed (\$)
Eligibility	00321000	21	\$ 90,868	7,249	\$ 29,386,206
Return of Title IV (1)	00321000	26	78,977	716	1,916,950
Reporting to COD - 25 Disbursements (2)	00321000	13	38,884	7,249	29,386,206
(1) Overlap of Students tested for Eligibility	00321000	2	7,245	716	1,916,950
(2) All 13 students tested for Reporting to COD were also tested for Eligibility					

**Required Reporting for the Direct Loan Program:**

Sample Description	OPEID	Sample		Population From Which the Sample was Drawn	
		Students Receiving Direct Loan (#)	Direct Loan Disbursed (\$)	Students Receiving Direct Loan (#)	Direct Loan Disbursed (\$)
Eligibility	00321000	36	\$ 383,355	12,577	\$ 137,888,710
Return of Title IV (1)	00321000	36	259,681	877	6,201,589
Reporting to COD - 25 Disbursements (2)	00321000	10	41,989	12,577	137,888,710
(1) Overlap of Students tested for Eligibility	00321000	2	13,332	877	6,201,589
(2) All 10 students tested for Reporting to COD were also tested for Eligibility					

**Required Reporting for Findings:**

Finding Number	Student Identifier	OPEID	Pell Disbursed (\$)	Pell Under-Payment (\$)	Pell Over-Payment (\$)	Direct Loan Disbursed (\$)	Direct Loan Under-Payment (\$)	Direct Loan Over-Payment (\$)
2019-001	Student 1	00321000	\$ 1,524	\$ -	\$ -	\$ -	\$ -	\$ -

**Required Reporting for Instances of Non-Compliance Determined to be Immaterial:**

Summary of Non-Compliance	Student Identifier	OPEID	Pell Disbursed (\$)	Pell Under-Payment (\$)	Pell Over-Payment (\$)	Direct Loan Disbursed (\$)	Direct Loan Under-Payment (\$)	Direct Loan Over-Payment (\$)
2019-001	Student 1	00321000	\$ 1,524	\$ -	\$ -	\$ -	\$ -	\$ -

**OREGON STATE UNIVERSITY  
SCHEDULE OF FINDINGS AND QUESTIONED COSTS  
FOR THE YEAR ENDED JUNE 30, 2019**

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***Section II – Financial Statement Findings***

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

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***Section III – Findings and Questioned Costs – Major Federal Programs***

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**2019 – 001: Enrollment Reporting**

**Federal Agency:** Department of Education  
**Federal Program:** Student Financial Assistance Cluster  
**CFDA Numbers:** 84.063 – Federal Pell Grant Program  
**Award Period:** July 1, 2018 – June 30, 2019

Type of Finding:

- Compliance, Other Matter
- Significant Deficiency in Internal Control Over Compliance

**Criteria or specific requirement:** The Code of Federal Regulations, 34 CFR 685.309, requires that enrollment status changes for students be reported to the National Student Loan Data System (NSLDS) within 30 days, or within 60 days if the student with the status change will be reported on a scheduled transmission within 60 days of the change in status. Regulations require the status includes an accurate effective date. In addition, regulations require that an institution make necessary corrections and return the records within 10 days for any roster files that don't pass the NSLDS enrollment reporting edits.

**Condition:** During our testing of a sample of 40 students who had a change in enrollment status during the period under audit, we noted that one student's social security number provided as a part of the submission roster was rejected by the National Student Clearinghouse (NSC), returned to the University in the transmission error report and was not resolved in a timely manner.

**Questioned Costs:** None

**Context:** Out of a statistically valid sample of 40 students selected for testing for the requirement noted above, we noted one exception as described above.

**Cause:** The reporting error was not corrected in a timely manner due to the Office of the Registrar not reviewing the specific transmission error report provided by the NSC.

**Effect:** The NSLDS was not updated with the student's enrollment information, which can cause over-awarding should the student transfer to another institution or the student may not properly enter the repayment period.

**Recommendation:** We recommend that the University revise its procedures for monitoring and correcting the transmission error files that are returned by the NSC to ensure that corrections are made in a timely manner.

**Views of responsible officials:** There is no disagreement with this audit finding.