UNIVERSITY OF ALASKA (A COMPONENT UNIT OF THE STATE OF ALASKA) SINGLE AUDIT REPORT FOR THE YEAR ENDED JUNE 30, 2024



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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

Board of Regents University of Alaska Fairbanks, Alaska

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 discretely presented component unit of University of Alaska, collectively a component unit of the State of Alaska, as of and for the year ended June 30, 2024, and the related notes to the financial statements, which collectively comprise University of Alaska's basic financial statements, and have issued our report thereon dated October 16, 2024. Our report includes a reference to other auditors who audited the financial statements of the component unit as described in our report on University of Alaska's financial statements. The component unit was not audited in accordance with *Government Auditing Standards*, and 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.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered University of Alaska's internal control over financial reporting (internal control) as a basis for designing 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 University of Alaska's internal control. Accordingly, we do not express an opinion on the effectiveness of University of Alaska'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 entity'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 and therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. We identified certain deficiencies in internal control, described in the accompanying schedule of findings and questioned costs as items 2024-001, 2024-002, and 2024-003, that we consider to be significant deficiencies.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether University of Alaska'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 financial statements. 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*.

University of Alaska's Response to Findings

University of Alaska's response to the findings identified in our audit is described in the accompanying schedule of findings and questioned costs. University of Alaska's response was not subjected to the other auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on the response.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

CliftonLarsonAllen LLP

Clifton Larson Allen LLP

St. Louis, Missouri October 16, 2024



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

Board of Regents University of Alaska Fairbanks, Alaska

Report on Compliance for Each Major Federal Program Opinion on Each Major Federal Program

We have audited University of Alaska's, a component unit of the State of Alaska, compliance with the types of compliance requirements identified as subject to audit in the *OMB Compliance Supplement* that could have a direct and material effect on each of University of Alaska's major federal programs for the year ended June 30, 2024. University of Alaska's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

In our opinion, University of Alaska complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2024.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); 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). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of University of Alaska and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of University of Alaska's compliance with the compliance requirements referred to above.

Responsibilities of Management for Compliance

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to the University of Alaska's federal programs.

Auditors' Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on University of Alaska's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about University of Alaska's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance, we:

- exercise professional judgment and maintain professional skepticism throughout the audit.
- identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding University of Alaska's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- obtain an understanding of University of Alaska's internal control over compliance relevant to
 the audit in order to design audit procedures that are appropriate in the circumstances 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 University of Alaska's
 internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying schedule of findings and questioned costs as items 2024-004, 2024-006, 2024-007, and 2024-008. Our opinion on each major federal program is not modified with respect to these matters.

Government Auditing Standards requires the auditor to perform limited procedures on University of Alaska's response to the noncompliance findings identified in our compliance audit described in the accompanying schedule of findings and questioned costs. University of Alaska's response was not subjected to the other auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

Our consideration of internal control over compliance was for the limited purpose described in the Auditors' Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance 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, as discussed below, we did identify certain deficiencies in internal control over compliance that we consider to be significant deficiencies.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or 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 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. We consider the deficiencies in internal control over compliance described in the accompanying schedule of findings and questioned costs as items 2024-004, 2024-005, 2024-006, 2024-007 and 2024-008 to be significant deficiencies.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

Government Auditing Standards requires the auditor to perform limited procedures on University of Alaska's response to the internal control over compliance findings identified in our audit is described in the accompanying schedule of findings and questioned costs. University of Alaska's response was not subjected to the other 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 discretely presented component unit of University of Alaska as of and for the year ended June 30, 2024, and the related notes to the financial statements, which collectively comprise University of Alaska's basic financial statements. We have issued our report thereon dated October 16, 2024, which contained unmodified opinions on those 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 basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, 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

Clifton Larson Allen LLP

St. Louis, Missouri October 16, 2024

Federal Crantor/Cluston Title	Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federal Expenditures (\$)
Student Financial Assistance C		ALN Number	.vambei	110gram 11tt	San cupients (5)	Expenditures (5)
Department of I						
Department of I	Education	84.007	E00001020	Federal Supplemental Educational Opportunity Grants	_	255,311
Direct		84.007	G00012775	Federal Supplemental Educational Opportunity Grants	-	3,690
Direct		84.007	G00014176	Federal Supplemental Educational Opportunity Grants	-	121,155
Direct		84.007	G00014843	Federal Supplemental Educational Opportunity Grants	-	99,613
Direct		84.007	G00015565	Federal Supplemental Educational Opportunity Grants	-	31,500
Direct Direct		84.007 84.033	G00015602 G00015600	Federal Supplemental Educational Opportunity Grants	-	332,500
Direct		84.033	G00013600 G00014841	Federal Work-Study Program Federal Work-Study Program	-	211,238 15,475
Direct		84.033	E00001040	Federal Work-Study Program	-	13,473
Direct		84.033	E00001041	Federal Work-Study Program	_	322,659
Direct		84.033	G00014173	Federal Work-Study Program	-	24,000
Direct		84.033	G00014911	Federal Work-Study Program	-	987
Direct		84.033	G00015564	Federal Work-Study Program	-	61,645
Direct		84.063	G00015601	Federal Pell Grant Program	-	9,468,739
Direct		84.063	E00001019	Federal Pell Grant Program	-	6,568,885
Direct		84.063	G00013419	Federal Pell Grant Program	-	24,153
Direct		84.063	G00014174	Federal Pell Grant Program	=	22,070
Direct Direct		84.063 84.063	G00014910 G00015562	Federal Pell Grant Program Federal Pell Grant Program	-	1,599 1,185,796
Direct		84.268	G00013302	Federal Direct Student Loan	-	27,308,479
Direct		84.379	G00015566	Teacher Education Assistance for College and Higher Education	- i -	10,845
Department of E	ducation Total	04.577	G00013300	reaction resistance for conege and ringher Education		46,070,340
4						,,
Total Student Financial Assist	ance Cluster					46,070,340
Research and Development Cl	uster					
Department of A	Agriculture	10.000	C00012892	Alaska Canatal Bairforest Carr. Div. C		20.520
Direct Direct		10.000 10.000	G00012882 G00013783	Alaska Coastal Rainforest Center Director Support Social-ecological calendars to inform climate change adaptation	-	20,520 8,574
Direct		10.000	G00013783 G00014063	From Forest to Ocean: how will hydrologic regime shifts of fo		45,412
Direct		10.000	G00014003 G00014083	Forests, Fish, and People: Quantifying Sport, Personal Use an		22,881
Direct		10.000	G00014992	Invasive Plants and Wildfire in Boreal Forests of Alaska: State		35,359
Direct		10.000	G00015065	Development and maintenance of training resources for Natio		17,161
Direct		10.000	G00015114	Chugach National Forest Revegetation Guide	=	7,274
Direct		10.000	G00015594	Chugach National Forest Rare Plant Conservation and Assess	1 -	185
Direct		10.000	G00015705	JVA: Quantifying historical and contemporary carbon sequest	-	178,464
National Fish and	Wildlife Foundation DC	10.000	AWD DTD 02/15/2024	Supporting Students in the ANSEP on Alaska Fish and Wildli	i -	44,179
Direct		10.001	G00014134	Agricultural Research Basic and Applied Research	-	674,804
Direct		10.001	G00015527	Agricultural Research Basic and Applied Research	-	89,917
Direct		10.025	G00015052	Plant and Animal Disease, Pest Control, and Animal Care	-	18,098
Direct		10.025	G00015053	Plant and Animal Disease, Pest Control, and Animal Care	=	21,212
Direct Direct		10.025 10.025	G00015665 G00015777	Plant and Animal Disease, Pest Control, and Animal Care Plant and Animal Disease, Pest Control, and Animal Care	-	10,724
Wildlife Conserv	ation Conjety	10.025	SUB 210285	Plant and Animal Disease, Pest Control, and Animal Care Plant and Animal Disease, Pest Control, and Animal Care	-	13,810 36,126
Wildlife Conserv	•	10.025	210302	Plant and Animal Disease, Pest Control, and Animal Care	-	6,778
Direct	ation boolety	10.072	G00015210	Wetlands Reserve Program	_	59,181
Direct		10.202	G00015000	Cooperative Forestry Research	_	289,237
Direct		10.202	G00015477	Cooperative Forestry Research	=	576,302
Direct		10.202	G00015977	Cooperative Forestry Research	-	83,312
Direct		10.203	G00013960	Payments to Agricultural Experiment Stations Under the Hato	-	18,378
Direct		10.203	G00014781	Payments to Agricultural Experiment Stations Under the Hato	-	321,416
Direct		10.203	G00014823	Payments to Agricultural Experiment Stations Under the Hato		150,209
Direct		10.203	G00015422	Payments to Agricultural Experiment Stations Under the Hato		1,042,104
Direct		10.203	G00015433	Payments to Agricultural Experiment Stations Under the Hatc		114,017
Direct Montana State III	nivercity	10.203	G00015974 MSU ID G234-20-W7506	Payments to Agricultural Experiment Stations Under the Hatc	-	73,520
Montana State U		10.215 10.215	MSU ID G234-20-W7506 MSU ID G290-22-W8618	Sustainable Agriculture Research and Education Sustainable Agriculture Research and Education	-	41,010
Montana State U	3	10.215	MSU ID G290-22-W8618 MSU ID G274-24-W9985	Sustainable Agriculture Research and Education Sustainable Agriculture Research and Education	-	8,929
	Water Conservation District	10.225	FSWCD AFFECT USDA 000		-	15,185
University of Cal		10.304	A23-1605-S001	Food and Agriculture Defense Initiative (FADI)	-	11,247
Direct		10.310	G00012036	Agriculture and Food Research Initiative (AFRI)	89,147	378,193
Direct		10.310	G00014071	Agriculture and Food Research Initiative (AFRI)		98,759
University Of Ha	waii	10.310	MA1707	Agriculture and Food Research Initiative (AFRI)	-	99,526
University Of Ha		10.310	MA1775	Agriculture and Food Research Initiative (AFRI)	-	106,788
Direct		10.310	G00015443	Agriculture and Food Research Initiative (AFRI)	=	121,627
	niversity of California, Riverside	10.310	20236701439986 / S-001649	Agriculture and Food Research Initiative (AFRI)	-	14,515
Direct		10.310	G00015654	Agriculture and Food Research Initiative (AFRI)	-	133,402
Direct		10.500	G00012382	Cooperative Extension Service	10,938	49,716
Direct		10.500	G00012486	Cooperative Extension Service	-	13,688
Direct		10.500	G00014370	Cooperative Extension Service	=	6,254
Direct Direct		10.500	G00015036 G00015038	Cooperative Extension Service	-	77,455 90,546
Direct		10.500 10.500	G00015038 G00015162	Cooperative Extension Service Cooperative Extension Service	18,192	102,128
Direct		10.500	G00015162 G00015516	Cooperative Extension Service Cooperative Extension Service	10,172	46,272
Direct		10.500	G00013573	Smith-Lever Extension Funding	-	39,281
Direct		10.511	G00013575 G00014590	Smith-Lever Extension Funding	_	2,248
Direct		10.511	G00014330 G00015288	Smith-Lever Extension Funding	-	987,550
Direct		10.511	G00015260 G00015969	Smith-Lever Extension Funding	-	143,894
Direct		10.652	G00012960	Forestry Research	=	19,676
Direct		10.680	G00013440	Forest Health Protection	-	139,446
Direct		10.680	G00014208	Forest Health Protection	-	15,049
		10.680	G00014332	Forest Health Protection		153,510

		Grant Number or Pass- Through Identifying		Amounts Passed through to	Total Federal
antor/Cluster Title/Direct Award or Pass Through Entity	ALN Numbe			Subrecipients (\$)	Expenditures (\$)
Direct	10.699	G00012884	Partnership Agreements	-	7,365
Direct	10.699	G00014077	Partnership Agreements	-	18,743
Direct	10.902	G00012627	Soil and Water Conservation	-	14,401
Direct	10.902	G00013548	Soil and Water Conservation	-	33,624
Direct	10.902	G00015814	Soil and Water Conservation		4,057
Department of Agriculture Total				118,277	6,973,241
Department of Commerce					
Direct	11.000	G00012703	NOAA NESDIS JPSS PGRR HLPG GINA Contract	-	222,113
Pacific States Marine Fisheries Commission	11.000	20-169G	Establishing Baseline Measurements for Humpback Whales in	-	8,819
Bering Sea Fisherman's Association	11.000	AC-2102A	MSE for Subsistence Fisheries of the Kuskokwim River Water	-	775
University of Wisconsin-Madison	11.000		I Support for NWS Polar-Satellite Antenna Systems	-	146,905
Bering Sea Fisherman's Association	11.000	AC-2205	Assessing Kuskokwim salmon with environmental DNA	-	132,488
North Pacific Research Board	11.000	2302	Flatfish trophic niche overlap and resource partitioning in estu	-	56,763
Bering Sea Fisherman's Association	11.000	AC-2206	Stock-specific modeling of Bering Sea chum salmon	-	73,407
University of Michigan	11.000		The Race is On: Transferring Knowledge Ahead of Marine In		23,901
Michigan State University	11.000	RC116011	Software Tools and Education for Enhancing Geodetic Infrast	-	9,380
Direct	11.000	G00016115	2024 Lowell Wakefield Fisheries Symposium	25.000	10,000
Direct	11.011	G00015221	Ocean Exploration	25,000	192,324
Alaska Ocean Observing System	11.012	H2400-96 H2407	Integrated Ocean Observing System (IOOS)	-	45,329
Direct	11.012	G00013024	Integrated Ocean Observing System (IOOS)	-	313,813
Alaska Ocean Observing System	11.012	H2447-02	Integrated Ocean Observing System (IOOS)	-	16,686
Alaska Ocean Observing System	11.012	H2457-02 PENDING	Integrated Ocean Observing System (IOOS)	-	1,905
Alaska Ocean Observing System	11.012	H3012	Integrated Ocean Observing System (IOOS)	-	147,872
Alaska Ocean Observing System Alaska Ocean Observing System	11.012 11.012	H3016 H3151	Integrated Ocean Observing System (IOOS) Integrated Ocean Observing System (IOOS)	-	101,891
<i>Q y</i>	11.012	H3014		-	21,777 10,510
Alaska Ocean Observing System			Integrated Ocean Observing System (IOOS) Integrated Ocean Observing System (IOOS)	-	
Alaska Ocean Observing System	11.012 11.012	H3013 H3011		-	75,974 327,291
Alaska Ocean Observing System	11.012	H3015	Integrated Ocean Observing System (IOOS) Integrated Ocean Observing System (IOOS)	-	32,949
Alaska Ocean Observing System Alaska Ocean Observing System	11.012	H3060	Integrated Ocean Observing System (IOOS)	-	40,030
Alaska Ocean Observing System Alaska Ocean Observing System	11.012	H3018	Integrated Ocean Observing System (IOOS)	-	37,155
Alaska Ocean Observing System Alaska Ocean Observing System	11.012	H3121	Integrated Ocean Observing System (IOOS)		150,134
Alaska Ocean Observing System Alaska Ocean Observing System	11.012	H3010	Integrated Ocean Observing System (IOOS)	-	17,350
Direct	11.012	G00015074	Integrated Ocean Observing System (IOOS)	101,222	148,610
	11.012	H3077	Integrated Ocean Observing System (IOOS)	101,222	6,191
Alaska Ocean Observing System Alaska Ocean Observing System	11.012	H0035-02	Integrated Ocean Observing System (IOOS)	14,801	79,181
Alaska Ocean Observing System Alaska Ocean Observing System	11.012	H0035-04	Integrated Ocean Observing System (IOOS)	14,001	19,705
Alaska Ocean Observing System	11.012	H0035-08	Integrated Ocean Observing System (IOOS)	_	721,760
Alaska Ocean Observing System Alaska Ocean Observing System	11.012	H3032	Integrated Ocean Observing System (IOOS)	_	21,723
Alaska Ocean Observing System	11.012	H3119	Integrated Ocean Observing System (IOOS)	_	51,040
Direct	11.017	G00014362	Ocean Acidification Program (OAP)	_	48,196
Direct	11.020	G00013051	Alaska Seed Fund	_	158
Direct	11.028	G00015386	Connecting Minority Communities Pilot Program	_	1,630,544
Oregon State University	11.400		- Geodetic Surveys and Services (Geodesy and Applications of	. <u>-</u>	1,900
Direct	11.417	G00011936	Sea Grant Support	12,078	2,281,764
University of Connecticut	11.417	KFS# 5653840 PO# 364393	**	-	737
University of Washington Do Not Use *See U47056*	11.417	SUB NO UWSC11373 BPO	**	_	7,301
Mississippi State University	11.417	016200.320565.0	Sea Grant Support	-	43,450
University of Connecticut	11.417	KFS# 5664660 PO#426121		-	15,988
Direct	11.417	G00014761	Sea Grant Support	27,172	897,535
Direct	11.417	G00015253	Sea Grant Support	-	53,646
University of Washington Do Not Use *See U47056*	11.417	UWSC14127 / BPO69364	Sea Grant Support	-	90,316
Direct	11.417	G00015475	Sea Grant Support	-	43,441
Direct	11.417	G00015613	Sea Grant Support	46,311	46,311
Direct	11.417	G00015687	Sea Grant Support	369,640	383,390
Direct	11.417	G00015691	Sea Grant Support	-	23,071
Direct	11.417	G00015693	Sea Grant Support	-	15,422
Direct	11.417	G00015887	Sea Grant Support	-	32,126
Direct	11.417	G00015888	Sea Grant Support	-	33,218
University of Connecticut	11.417	PO181642909/KFS5683260	Sea Grant Support	-	14,063
Direct	11.417	G00016054	Sea Grant Support	-	14,204
Direct	11.420	G00014827	Coastal Zone Management Estuarine Research Reserves	-	182,464
Direct	11.420	G00015104	Coastal Zone Management Estuarine Research Reserves	-	59,069
Direct	11.420	G00015575	Coastal Zone Management Estuarine Research Reserves	-	736,413
Direct	11.427	G00014372	Fisheries Development and Utilization Research and Develop		9,693
Direct	11.431	G00014363	Climate and Atmospheric Research	98,198	1,070,433
Direct	11.431	G00015252	Climate and Atmospheric Research	-	13,719
University of Washington Do Not Use *See U47056*	11.432	'	F National Oceanic and Atmospheric Administration (NOAA) (1,834,163
Princeton University	11.432	SUB0000463	National Oceanic and Atmospheric Administration (NOAA) (8,316
University of Washington Do Not Use *See U47056*	11.432	UWSC13282 BPO60824	National Oceanic and Atmospheric Administration (NOAA) C		142,740
University of Washington Do Not Use *See U47056*	11.432	OPDgi 23-443, CICOES	National Oceanic and Atmospheric Administration (NOAA) (-	44,320
Pacific States Marine Fisheries Commission	11.437	23-035G	Pacific Fisheries Data Program	-	89,424
Alaska Dept of Fish & Game	11.438	RSA 1120594 MOD 2	Pacific Coast Salmon Recovery Pacific Salmon Treaty Progra		36,292
	11.438	1122902	Pacific Coast Salmon Recovery Pacific Salmon Treaty Progra		25,287
Alaska Dept. of Fish and Game	11.438	1122903	Pacific Coast Salmon Recovery Pacific Salmon Treaty Progra		19,410
Alaska Dept. of Fish and Game		ADN 1122901-1	Pacific Coast Salmon Recovery Pacific Salmon Treaty Progra		20,065
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game	11.438		Pacific Coast Salmon Recovery Pacific Salmon Treaty Progra	1 -	3,715
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game	11.438	1124903			
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game Direct	11.438 11.439	G00012997	Marine Mammal Data Program	-	73,785
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game Direct	11.438 11.439 11.439	G00012997 G00013592	Marine Mammal Data Program Marine Mammal Data Program	-	183
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game Direct Direct Direct	11.438 11.439 11.439 11.439	G00012997 G00013592 G00014373	Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program	- - -	183 3,088
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game Direct Direct Direct Direct	11.438 11.439 11.439 11.439 11.439	G00012997 G00013592 G00014373 G00015131	Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program	- - -	183 3,088 45,911
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game Direct Direct Direct Direct Direct Direct	11.438 11.439 11.439 11.439 11.439 11.439	G00012997 G00013592 G00014373 G00015131 G00015744	Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program	- - - -	183 3,088 45,911 68,390
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game Direct Direct Direct Direct Direct Direct Department of Military and Veterans Affairs (DMVA)	11.438 11.439 11.439 11.439 11.439 11.439 11.467	G00012997 G00013592 G00014373 G00015131 G00015744 20NOAA-GY21	Marine Mammal Data Program Meteorologic and Hydrologic Modernization Development	- - - - -	183 3,088 45,911 68,390 1,616
Alaska Dept. of Fish and Game Alaska Dept of Fish & Game Alaska Dept. of Fish and Game Direct Direct Direct Direct Direct Direct	11.438 11.439 11.439 11.439 11.439 11.439	G00012997 G00013592 G00014373 G00015131 G00015744 20NOAA-GY21	Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program Marine Mammal Data Program	- - - - - -	183 3,088 45,911 68,390

		Grant Number or Pass-		Amounts Passed	T. () F. J I
Federal Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Through Identifying Number	Program Title	through to Subrecipients (\$)	Total Federal Expenditures (\$)
Direct	11.469	G00015650	Congressionally Identified Awards and Projects	-	699,319
Direct	11.469	G00015728	Congressionally Identified Awards and Projects	-	33,906
Direct	11.472	G00012819	Unallied Science Program	-	302,511
North Pacific Research Board	11.472	1907B	Unallied Science Program	-	10,350
North Pacific Research Board North Pacific Research Board	11.472 11.472	2001 2007A	Unallied Science Program Unallied Science Program	=	57,462 2,774
North Pacific Research Board	11.472	2007A 2007B	Unallied Science Program Unallied Science Program	-	50,031
North Pacific Research Board	11.472	2014	Unallied Science Program	_	122,761
North Pacific Research Board	11.472	2001-90/1954	Unallied Science Program	-	9,836
North Pacific Research Board	11.472	2102	Unallied Science Program	-	16,295
North Pacific Research Board	11.472	L36-00B	Unallied Science Program	-	44,893
North Pacific Research Board	11.472	2109	Unallied Science Program	-	415,017
Prince William Sound Science Center	11.472	CONTRACT NO 22-81-14	Unallied Science Program	-	105,224
Prince William Sound Science Center	11.472	22-81-03	Unallied Science Program	-	135,908
Prince William Sound Science Center	11.472 11.472	22-81-02	Unallied Science Program	-	124,384
Prince William Sound Science Center Prince William Sound Science Center	11.472	22-81-09 22-81-04	Unallied Science Program Unallied Science Program	-	75,049 105,169
Prince William Sound Science Center	11.472	22-91-02	Unallied Science Program	-	313,101
Prince William Sound Science Center	11.472	22-91-04	Unallied Science Program	_	14,307
Prince William Sound Science Center	11.472	22-91-05	Unallied Science Program	-	76,593
Prince William Sound Science Center	11.472	22-81-07	Unallied Science Program	-	82,561
Prince William Sound Science Center	11.472	22-91-03	Unallied Science Program	-	165,438
North Pacific Research Board	11.472	2201	Unallied Science Program	-	24,452
North Pacific Research Board	11.472	L37-00D	Unallied Science Program	-	185,395
North Pacific Research Board	11.472	IERP 62/F2162-02	Unallied Science Program	-	2,207
North Pacific Research Board North Pacific Research Board	11.472 11.472	F9603-01 IERP 61/F9601-00	Unallied Science Program Unallied Science Program	=	34,054 206,891
North Pacific Research Board	11.472	PROJECT 2010	Unallied Science Program Unallied Science Program	-	36,275
North Pacific Research Board	11.472	PROJECT 2010 PROJECT 2208	Unallied Science Program Unallied Science Program	-	51,995
North Pacific Research Board	11.472	2205	Unallied Science Program	_	4,661
North Pacific Research Board	11.472	2214A	Unallied Science Program	_	51,981
North Pacific Research Board	11.472	L36-00C	Unallied Science Program	-	63,924
North Pacific Research Board	11.472	2210	Unallied Science Program	-	30,332
Direct	11.472	G00015729	Unallied Science Program	-	156,346
Pacific States Marine Fisheries Commission	11.477	23-080G	Fisheries Disaster Relief	-	120,257
Pacific States Marine Fisheries Commission	11.477	23-088G	Fisheries Disaster Relief	-	75,217
University of Washington Do Not Use *See U47056*	11.478	UWSC11435 BPO# 43310	Center for Sponsored Coastal Ocean Research Coastal Ocean		15,167
University of Wyoming	11.478	1004101ΓÇôUAF	Center for Sponsored Coastal Ocean Research Coastal Ocean		1,352
Sitka Tribe of Alaska (IRA) Sitka Tribe of Alaska (IRA)	11.478 11.478		0 Center for Sponsored Coastal Ocean Research Coastal Ocean 0 Center for Sponsored Coastal Ocean Research Coastal Ocean		58,208 7,353
Direct	11.478	G00015771	Center for Sponsored Coastal Ocean Research Coastal Ocean Center for Sponsored Coastal Ocean Research Coastal Ocean		135,448
Center for Alaskan Coastal Studies	11.999	SUBAWARD #12022: UAA 2		- 65,050	69,786
Direct	11.999	G00015768	Marine Debris Program	779,949	793,699
Department of Commerce Total				1,558,001	18,984,825
D					
Department of Defense	12.000	000012162	D. T. Cl. 1 (1.11.6		001
Direct Direct	12.000 12.000	G00012163 G00012416	Resilience of boreal ecosystems assessed using high-frequence OASD(NCB/TRAC) UARC for Research and Development		981 237,304
Direct	12.000	G00012410 G00012422	POA53-CESU 18-06 Mgt. Invasive Species, Ironwood Trees		24,577
Direct	12.000	G00012422 G00012569	UARC FIXED FEE ALL	-	2,002,090
Direct	12.000	G00013072	Army Collection Curation	-	2,335
Direct	12.000	G00013459	UARC T6 HSAS	683,704	642,438
Direct	12.000	G00013490	GDNP UARC T8 Arctic GeoData	6,195,501	11,224,605
Direct	12.000	G00013544	UARC TO7 - Improving Small Event Characterization and D	89,865	167,520
Direct	12.000	G00013655	GDNP UARC Task Order #9	177,073	235,405
Direct	12.000	G00014055	Arctic and Subarctic Engineering Design Tool: Technology T		85,940
Direct	12.000	G00014265	Secure and Resilient Power Generation in Cold Regions Envi		346,889
Direct	12.000	G00014488	GDNP UARC - TO11 - Counter-Unmanned Aircraft System		1,783,875
Direct	12.000	G00014714	Arctic Security Forces Roundtable Planning and Support Serv	· -	2,645
Direct Direct	12.000 12.000	G00014804 G00014805	Army IGSA for Consultant A&E Service Contracting Army IGSA for Consultant A&E Service Contracting	-	895,600 72,897
Direct	12.000	G00014005 G00015054	UARC - TO13 - Hybrid Power Station (HPS) Upgraded and	•	225,099
Johns Hopkins University, The	12.000	174429	LRDR Space Weather Risk Reduction	-	116,706
Direct	12.000	G00015122	Alaska Preparedness and Response Contingency Planning	-	74,767
Direct	12.000	G00015615	PWS 23-02 National Environmental Policy Act (NEPA) Stud	· -	370,462
Direct	12.000	G00015655	PWS 23-01 Cultural Resources Management Study and Supp	-	250,404
Direct	12.000	G00015656	PWS 23-05 Air Quality Program Support, Fort Wainwright,	-	244,985
Direct	12.000	G00015657	PWS 23-06 Water Quality Program Support Fort Wainwright		430,425
Direct	12.000	G00015726	PWS 23-03 - Natural Resources Support Fort Wainwright, A		281,973
Direct	12.000	G00015727	PWS 23-4 Geographic Information System (GIS) Support, Fo		166,094
Direct	12.000	G00015747	Natural Resource Support Management Pollinators and West		36,631
Direct	12.000	G00015753	UARC TO16 3D Change Detection Support	3,409,088	3,884,529
Direct	12.000	G00015758	High-Resolution Permafrost Modeling in Greenland and an A UARC TO15 L-Band SAR Data Acquisition	-	26,668 1,869
Direct			OTTO TOTAL DAIN DAIN DAIN ACQUISITION	-	
Direct	12.000	G00015762 G00015773	UARC TO17 RDT&F Infrasound	26 501	187647
Direct	12.000 12.000	G00015773	UARC TO17 RDT&E Infrasound UARC TO18 KNDC DIGITIZATION EFFORTS	26,501 17,739	182,647 28,294
Direct Direct	12.000 12.000 12.000	G00015773 G00015901	UARC TO18 KNDC DIGITIZATION EFFORTS	17,739	28,294
Direct	12.000 12.000	G00015773		17,739 r	
Direct Direct University of Maine	12.000 12.000 12.000 12.000	G00015773 G00015901 USMS2224	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S	17,739 r - s 40,474	28,294 36,896
Direct Direct University of Maine Direct	12.000 12.000 12.000 12.000 12.000	G00015773 G00015901 USMS2224 G00015986	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S Advancing Research in Nuclear Explosion Monitoring:A Con	17,739 r - s 40,474 s -	28,294 36,896 166,359
Direct Direct University of Maine Direct Direct	12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.000	G00015773 G00015901 USMS2224 G00015986 G00015990	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S Advancing Research in Nuclear Explosion Monitoring:A Con Enhancing the Integrated System for Operations in Polar Seas	17,739 r - s 40,474 s -	28,294 36,896 166,359 454,819
Direct Direct University of Maine Direct Direct Direct Direct Direct Direct Direct Direct	12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.005 12.005	G00015773 G00015901 USMS2224 G00015986 G00015990 G00016058 G00014423 G00014450	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S Advancing Research in Nuclear Explosion Monitoring: A Con Enhancing the Integrated System for Operations in Polar Sea Telemetry and genetic identity of Chinook salmon in Alaska (Conservation and Rehabilitation of Natural Resources on Mil- Conservation and Rehabilitation of Natural Resources on Mil-	17,739 1 - 18 40,474 2 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	28,294 36,896 166,359 454,819 103,772 352,818 82,769
Direct Direct University of Maine Direct Direct Direct Direct Direct Direct Direct Direct Direct	12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.005 12.005 12.005	G00015773 G00015901 USMS2224 G00015986 G00015990 G00016058 G00014423 G00014450 G00014682	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S Advancing Research in Nuclear Explosion Monitoring: A Con Enhancing the Integrated System for Operations in Polar Seas Telemetry and genetic identity of Chinook salmon in Alaska (Conservation and Rehabilitation of Natural Resources on Mil Conservation and Rehabilitation of Natural Resources on Mil Conservation and Rehabilitation of Natural Resources on Mil	17,739 1	28,294 36,896 166,359 454,819 103,772 352,818 82,769 197,687
Direct Direct University of Maine Direct	12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.005 12.005 12.005 12.005	G00015773 G00015901 USMS2224 G00015986 G00015990 G00016058 G00014423 G00014450 G00014682 G00015006	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S Advancing Research in Nuclear Explosion Monitoring: A Con Enhancing the Integrated System for Operations in Polar Seas Telemetry and genetic identity of Chinook salmon in Alaska (Conservation and Rehabilitation of Natural Resources on Mil	17,739 r - s 40,474 s - ii - iii - iii -	28,294 36,896 166,359 454,819 103,772 352,818 82,769 197,687 35,001
Direct Direct University of Maine Direct	12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.005 12.005 12.005 12.005 12.005	G00015773 G00015901 USMS2224 G00015986 G00015990 G00016058 G00014423 G00014450 G00014682 G00015006 G00015014	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S Advancing Research in Nuclear Explosion Monitoring: A Con Enhancing the Integrated System for Operations in Polar Seas Telemetry and genetic identity of Chinook salmon in Alaska (Conservation and Rehabilitation of Natural Resources on Mil	17,739 r - s 40,474 s - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	28,294 36,896 166,359 454,819 103,772 352,818 82,769 197,687 35,001 31,259
Direct Direct University of Maine Direct	12.000 12.000 12.000 12.000 12.000 12.000 12.000 12.005 12.005 12.005 12.005	G00015773 G00015901 USMS2224 G00015986 G00015990 G00016058 G00014423 G00014450 G00014682 G00015006	UARC TO18 KNDC DIGITIZATION EFFORTS Quantifying Spatial and Temporal Variability of Temperate S Advancing Research in Nuclear Explosion Monitoring: A Con Enhancing the Integrated System for Operations in Polar Seas Telemetry and genetic identity of Chinook salmon in Alaska (Conservation and Rehabilitation of Natural Resources on Mil	17,739 r - 40,474 s - 40,474 r - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	28,294 36,896 166,359 454,819 103,772 352,818 82,769 197,687 35,001

Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federal Expenditures (\$)
Direct	12.005	G00015755	Conservation and Rehabilitation of Natural Resources on Mili		389,369
Direct	12.300	G00012114	Basic and Applied Scientific Research	142,936	142,936
University of Illinois at Champaign	12.300	090955-16969	Basic and Applied Scientific Research	-	13,200
Direct	12.300	G00012676	Basic and Applied Scientific Research	-	3,433,765
Direct	12.300	G00012747	Basic and Applied Scientific Research	-	64,691
Direct	12.300	G00013193	Basic and Applied Scientific Research	-	1,177,822
Direct	12.300	G00014164	Basic and Applied Scientific Research	-	210,141
Direct	12.300	G00014299	Basic and Applied Scientific Research	103,777	114,733
Direct	12.300	G00014309	Basic and Applied Scientific Research	44,202	57,534
Direct	12.300	G00014574	Basic and Applied Scientific Research	, , , , , , , , , , , , , , , , , , ,	2,584,044
Direct	12.300	G00014684	Basic and Applied Scientific Research	_	251,588
Direct	12.300	G00015263	Basic and Applied Scientific Research		1,063,071
Massachusetts Institue of Technology	12.300	S6073 PO# 976990	Basic and Applied Scientific Research		28,662
Direct	12.300		Basic and Applied Scientific Research	-	15,113
		G00015831	**	-	
Direct	12.300	G00015892	Basic and Applied Scientific Research		1,057,314
Direct	12.335	G00013328	Navy Command, Control, Communications, Computers, Inte		131,380
Direct	12.351	G00014005	Scientific Research - Combating Weapons of Mass Destruction		5,762,723
Direct	12.560	G00013649	DOD, NDEP, DOTC-STEM Education Outreach Implement		511,609
Direct	12.630	G00013892	Basic, Applied, and Advanced Research in Science and Engir	1 -	284,660
National Science Teaching Association	12.630	23-871-001	Basic, Applied, and Advanced Research in Science and Engir	1 -	5,250
Montana State University	12.800	MSU ID G244-23-W8197	Air Force Defense Research Sciences Program	-	13,555
Department of Defense Total				12,652,539	43,069,878
Department of Housing and Urban Development					
Xtreme Habitats Institute	14.506	0806PSU1	General Research and Technology Activity		14,484
Department of Housing and Urban Development Total					14,484
Department of Interior					
Direct	15.019	G00014160	Experienced Services	-	23,012
Direct	15.070	G00015623	Experienced Services Program	-	325,681
Direct	15.070	G00015830	Experienced Services Program	-	9,638
Direct	15.070	G00015981	Experienced Services Program	-	105,169
Direct	15.070	G00016022	Experienced Services Program	-	24,800
Direct	15.225	G00011811	Recreation and Visitor Services	_	2,938
Direct	15.225	G00014303	Recreation and Visitor Services	96,582	322,226
Direct	15.228	G00014305 G00013706	BLM Fuels Management and Community Fire Assistance Pro		11,027
Direct	15.228	G00015700 G00015150	BLM Fuels Management and Community Fire Assistance Pro		19,584
Direct	15.228	G00015708	BLM Fuels Management and Community Fire Assistance Pro	-	47,713
Direct	15.230	G00015686	Invasive and Noxious Plant Management	-	8,953
Direct	15.232	G00013682	Joint Fire Science Program	-	54,808
Direct	15.232	G00013684	Joint Fire Science Program	-	72,195
Direct	15.232	G00015757	Joint Fire Science Program	-	162,926
Direct	15.237	G00015153	Rangeland Resource Management	-	26,482
Direct	15.237	G00015154	Rangeland Resource Management	-	12,188
Direct	15.244	G00015011	Aquatics Resources Management	-	19,614
Direct	15.244	G00015152	Aquatics Resources Management	-	16,735
Direct	15.244	G00015370	Aquatics Resources Management	_	60,828
Direct	15.244	G00015776	Aquatics Resources Management	=	855
Direct	15.247	G00013647	Wildlife Resource Management	_	17,402
Direct	15.247	G00014401	Wildlife Resource Management		58,950
Direct	15.247	G00015160	Wildlife Resource Management	_	
			e	-	47,641
Direct	15.247	G00015735	Wildlife Resource Management	-	10,289
Direct	15.248	G00015617	National Landscape Conservation System	-	4,617
Direct	15.421	G00012804	Alaska Coastal Marine Institute	-	62,854
Direct	15.421	G00012972	Alaska Coastal Marine Institute	-	34,908
Direct	15.421	G00013015	Alaska Coastal Marine Institute	10,347	10,701
Direct	15.421	G00013532	Alaska Coastal Marine Institute	· -	5,565
Direct	15.421	G00013664	Alaska Coastal Marine Institute	_	7,329
Direct	15.421	G00013696	Alaska Coastal Marine Institute	_	5,381
Direct	15.421	G00013697	Alaska Coastal Marine Institute	2,830	4,386
Direct	15.421	G00013037 G00013720	Alaska Coastal Marine Institute Alaska Coastal Marine Institute	10,128	17,284
				10,126	
Direct	15.421	G00014282	Alaska Coastal Marine Institute	-	48,346
Direct	15.421	G00014291	Alaska Coastal Marine Institute	-	24,964
Direct	15.421	G00014327	Alaska Coastal Marine Institute	-	1,783
Direct	15.421	G00014367	Alaska Coastal Marine Institute	-	37,076
Direct	15.421	G00015211	Alaska Coastal Marine Institute	-	37,599
Direct	15.421	G00015367	Alaska Coastal Marine Institute	-	8,971
Direct	15.421	G00015882	Alaska Coastal Marine Institute	_	14,096
Direct	15.423	G00013079	Bureau of Ocean Energy Management (BOEM) Environment	-	437,970
University of Texas at Austin	15.423	UTA19-001308	Bureau of Ocean Energy Management (BOEM) Environment		31,074
ž	15.423	G00014241	Bureau of Ocean Energy Management (BOEM) Environment		544,544
Direct	15.423				
Direct		G00015185	Bureau of Ocean Energy Management (BOEM) Environment		135,354
Direct	15.600	140FNR23F0006-ACCS	National Wetlands Inventory geospatial data, metadata, and fi		80,796
Direct Alaska BioMap, Inc		1124078	Wintering ground ecology, movement, and behavior of Alaska	-	65,823
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game	15.600				42,977
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608	G00013092	Fish and Wildlife Management Assistance	-	
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608 15.608	G00013092 G00013210	Fish and Wildlife Management Assistance	-	9,359
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608	G00013092		- - -	9,359
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608 15.608	G00013092 G00013210	Fish and Wildlife Management Assistance	- - -	9,359 47,125
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct Direct Direct Direct	15.600 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789	Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance	- - - -	9,359 47,125 73,265
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct Direct Direct Direct Direct Direct	15.600 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037	Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance	- - - - -	9,359 47,125 73,265 6,250
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct Direct Direct Direct Direct Direct Direct Direct	15.600 15.608 15.608 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037 G00015089	Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance Fish and Wildlife Management Assistance	- - - - -	9,359 47,125 73,265 6,250 9,785
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608 15.608 15.608 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037 G00015089 G00015118	Fish and Wildlife Management Assistance	- - - - -	9,359 47,125 73,265 6,250 9,785 53,133
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608 15.608 15.608 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037 G00015089 G00015118 G00015448	Fish and Wildlife Management Assistance	- - - - - -	9,359 47,125 73,265 6,250 9,785 53,133 85,456
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct Direct Direct Direct Direct Direct Direct Direct Alaska Dept. of Fish and Game	15.600 15.608 15.608 15.608 15.608 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037 G00015089 G00015118 G00015448 ADN 1124116	Fish and Wildlife Management Assistance	-	9,359 47,125 73,265 6,250 9,785 53,133 85,456 27,426
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608 15.608 15.608 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037 G00015089 G00015118 G00015448	Fish and Wildlife Management Assistance	-	9,359 47,125 73,265 6,250 9,785 53,133 85,456
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct Direct Direct Direct Direct Direct Direct Direct Alaska Dept. of Fish and Game	15.600 15.608 15.608 15.608 15.608 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037 G00015089 G00015118 G00015448 ADN 1124116	Fish and Wildlife Management Assistance	-	9,359 47,125 73,265 6,250 9,785 53,133 85,456 27,426
Direct Alaska BioMap, Inc Alaska Dept. of Fish and Game Direct	15.600 15.608 15.608 15.608 15.608 15.608 15.608 15.608 15.608 15.608	G00013092 G00013210 G00013308 G00013789 G00015037 G00015089 G00015118 G00015448 ADN 1124116 G00016053	Fish and Wildlife Management Assistance	-	9,359 47,125 73,265 6,250 9,785 53,133 85,456 27,426 2,000

		Grant Number or Pass-		Amounts Passed	Total Federal
Federal Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Through Identifying Number	Program Title	through to Subrecipients (\$)	Expenditures (\$)
Alaska Dept of Fish & Game	15.634	ADN 1124105	State Wildlife Grants	-	110,254
Alaska Dept. of Fish and Game	15.634	ADN# 1124094	State Wildlife Grants	-	37,021
Direct	15.653	G00015796	National Outreach and Communication	-	22,121
Direct	15.654	G00013625	National Wildlife Refuge System Enhancements	-	41,283
Direct Direct	15.654 15.654	G00014434	National Wildlife Refuge System Enhancements	-	27,725
Direct	15.654	G00015638 G00015982	National Wildlife Refuge System Enhancements National Wildlife Refuge System Enhancements	-	65,286 43,927
Direct	15.660	G00013702	Candidate Species Conservation	-	19,358
Direct	15.660	G00013707	Candidate Species Conservation	-	1,176
Direct	15.664	G00014154	Fish and Wildlife Coordination and Assistance	-	22,779
Direct	15.664	G00015704	Fish and Wildlife Coordination and Assistance	=	40,856
Direct	15.678	G00011035	Cooperative Ecosystem Studies Units	-	53,718
Direct America View, Inc.	15.678 15.800	G00013600 AV18-AK-01	Cooperative Ecosystem Studies Units StateView Program Development and Operations for the state		1,077 5,985
Direct	15.800	G00014328	Combining local traditional knowledge and machine learning		66,838
Direct	15.800	G00014775	Barry Arm Seismic Development IPA	=	8,923
Direct	15.800	G00015066	Chaparral Quote 22015 and 22016, USGS PO 140G0322P03	-	43,050
Direct	15.800	G00015127	Community engagement in a stream-network assessment of sa		67,366
Direct	15.800	G00015128	How do snow avalanches impact landscape characteristics and		150,363
Direct	15.800	G00015250	Impacts of Cryospheric change on aquatic flows and freshwat		98,115
America View, Inc. Direct	15.800 15.805	AV23-AK-01 ***BBO/MI*** G00014344	StateView Program Development and Operations for the state Assistance to State Water Resources Research Institutes	-	23,635 129,550
Direct	15.807	G00014544 G00015579	Earthquake Hazards Program Assistance	-	78,694
Direct	15.808	G00013220	U.S. Geological Survey Research and Data Collection	=	608,616
Direct	15.808	G00014428	U.S. Geological Survey Research and Data Collection	-	33,328
Direct	15.808	G00014494	U.S. Geological Survey Research and Data Collection	-	1,150,847
Direct	15.808	G00014495	U.S. Geological Survey Research and Data Collection	-	84,072
Direct	15.808	G00014787	U.S. Geological Survey Research and Data Collection	-	50,000
Direct Direct	15.808 15.808	G00015480 G00015583	U.S. Geological Survey Research and Data Collection U.S. Geological Survey Research and Data Collection	-	225,534 8,768
Direct	15.808	G00015816	U.S. Geological Survey Research and Data Collection	-	1,427,723
Direct	15.808	G00016068	U.S. Geological Survey Research and Data Collection	_	2,804
Direct	15.808	G00016106	U.S. Geological Survey Research and Data Collection	-	5,616
Direct	15.808	G00016114	U.S. Geological Survey Research and Data Collection	-	93,934
Direct	15.810	G00015017	National Cooperative Geologic Mapping	-	11,235
Direct	15.812	G00012246	Cooperative Research Units	-	828
Direct	15.812	G00012345	Cooperative Research Units	=	67,893
Direct Direct	15.812 15.812	G00012950 G00013324	Cooperative Research Units Cooperative Research Units	-	3,132 6,320
Direct	15.812	G00013524 G00013588	Cooperative Research Units	-	5,722
Direct	15.812	G00013807	Cooperative Research Units	_	8,203
Direct	15.812	G00013808	Cooperative Research Units	-	9,385
Direct	15.812	G00013926	Cooperative Research Units	=	13,661
Direct	15.812	G00013927	Cooperative Research Units	-	23,464
Direct	15.812	G00013946	Cooperative Research Units	-	77,655
Direct	15.812	G00013992	Cooperative Research Units	=	16,767
Direct Direct	15.812 15.812	G00014067 G00014232	Cooperative Research Units Cooperative Research Units	-	27,938 6,898
Direct	15.812	G00014232 G00014234	Cooperative Research Units	-	5,860
Direct	15.812	G00014394	Cooperative Research Units	_	11,343
Direct	15.812	G00014543	Cooperative Research Units	-	20,678
Direct	15.812	G00015080	Cooperative Research Units	=	82,365
Direct	15.812	G00015445	Cooperative Research Units	-	11,224
Direct	15.812	G00015446	Cooperative Research Units	-	58,799
Direct Direct	15.812 15.812	G00015697	Cooperative Research Units Cooperative Research Units	-	2,984 16,458
Direct	15.812	G00015700 G00015714	Cooperative Research Units	-	7,795
Direct	15.818	G00013714 G00014115	Volcano Hazards Program Research and Monitoring	_	1,885,068
Direct	15.820	G00011635	National and Regional Climate Adaptation Science Centers	-	600,675
Direct	15.820	G00013942	National and Regional Climate Adaptation Science Centers	=	39,932
Direct	15.820	G00013943	National and Regional Climate Adaptation Science Centers	12,816	21,714
Direct	15.820	G00014308	National and Regional Climate Adaptation Science Centers	-	25,717
Direct	15.820 15.820	G00014330	National and Regional Climate Adaptation Science Centers	=	4,037
Direct Direct	15.820	G00014347 G00014349	National and Regional Climate Adaptation Science Centers National and Regional Climate Adaptation Science Centers	-	80,108 52,345
Direct	15.820	G00014350	National and Regional Climate Adaptation Science Centers	_	47,656
Direct	15.820	G00014393	National and Regional Climate Adaptation Science Centers	_	22,817
Direct	15.820	G00014415	National and Regional Climate Adaptation Science Centers	-	7,059
Direct	15.820	G00015293	National and Regional Climate Adaptation Science Centers	18,992	46,608
Direct	15.820	G00015343	National and Regional Climate Adaptation Science Centers	78,627	87,454
Direct	15.820	G00015412	National and Regional Climate Adaptation Science Centers	-	34,006
Direct	15.820	G00015418 G00015462	National and Regional Climate Adaptation Science Centers	-	30,192
Direct Direct	15.820 15.820	G00015462 G00015635	National and Regional Climate Adaptation Science Centers National and Regional Climate Adaptation Science Centers	-	248,108 1,150,524
Direct	15.820	G00015738	National and Regional Climate Adaptation Science Centers National and Regional Climate Adaptation Science Centers	-	24,175
Direct	15.944	G00013736 G00014333	Natural Resource Stewardship	-	138,570
Carnegie Mellon University	15.944	SUB # 1080492-486338	Natural Resource Stewardship	-	1,297
Direct	15.945	G00010892	Cooperative Research and Training Programs - Resources of	=	3,358
Direct	15.945	G00011599	Cooperative Research and Training Programs – Resources of		2,464
Direct	15.945	G00012401	Cooperative Research and Training Programs – Resources of		44,770
Western Washington University	15.945		Cooperative Research and Training Programs – Resources of		55,510
Direct Direct	15.945 15.945	G00012905 G00013002	Cooperative Research and Training Programs – Resources of Cooperative Research and Training Programs – Resources of		16,463 102,872
Direct	15.945	G00013002 G00013026	Cooperative Research and Training Programs – Resources of Cooperative Research and Training Programs – Resources of		49,721
Direct	15.945	G00013028	Cooperative Research and Training Programs – Resources of		8,413
Direct	15.945	G00013041	Cooperative Research and Training Programs – Resources of		100,856
Direct	15.945	G00013126	Cooperative Research and Training Programs - Resources of	-	90,954

rantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federa Expenditures (\$
Direct	15.945	G00013189	Cooperative Research and Training Programs – Resources of		130,785
Direct	15.945	G00013349	Cooperative Research and Training Programs – Resources of	-	10,197
Direct	15.945	G00013391	Cooperative Research and Training Programs – Resources of	-	29,894
Direct	15.945	G00013400	Cooperative Research and Training Programs – Resources of	-	101,565
Direct	15.945	G00013449	Cooperative Research and Training Programs – Resources of	-	13,912
Direct	15.945	G00013469	Cooperative Research and Training Programs – Resources of		138,205
Direct	15.945	G00013562	Cooperative Research and Training Programs – Resources of		20,162
Direct	15.945	G00013612	Cooperative Research and Training Programs – Resources of	-	45,585
Direct	15.945	G00013633	Cooperative Research and Training Programs - Resources of	-	29,913
Direct	15.945	G00013638	Cooperative Research and Training Programs – Resources of		23,979
Direct	15.945	G00014102	Cooperative Research and Training Programs - Resources of		1,640
Direct	15.945	G00014345	Cooperative Research and Training Programs - Resources of	-	9,09
Direct	15.945	G00014419	Cooperative Research and Training Programs - Resources of	-	29,12
Direct	15.945	G00014420	Cooperative Research and Training Programs - Resources of	-	53,76
Direct	15.945	G00014421	Cooperative Research and Training Programs - Resources of		23,96
Direct	15.945	G00014838	Cooperative Research and Training Programs - Resources of		5,17
Direct	15.945	G00015091	Cooperative Research and Training Programs - Resources of		14,68
Direct	15.945	G00015345	Cooperative Research and Training Programs - Resources of		18,77
Direct	15.945	G00015438	Cooperative Research and Training Programs - Resources of	9,769	61,23
Direct	15.945	G00015453	Cooperative Research and Training Programs - Resources of	-	14,64
Direct	15.945	G00015661	Cooperative Research and Training Programs - Resources of	-	10,44
Direct	15.945	G00015756	Cooperative Research and Training Programs - Resources of	-	17,36
Direct	15.945	G00015763	Cooperative Research and Training Programs - Resources of	-	27,59
Direct	15.945	G00015764	Cooperative Research and Training Programs - Resources of	-	19,18
Direct	15.945	G00015766	Cooperative Research and Training Programs – Resources of	-	759
Direct	15.945	G00015775	Cooperative Research and Training Programs – Resources of	_	1,18
Direct	15.945	G00015775	Cooperative Research and Training Programs – Resources of	_	11,77
Direct	15.946	G00015827 G00015874	Cultural Resources Management	_	28,76
Department of Interior Total	13.540	G00013874	Cultural resources ivialiagement	518,488	14,741,70
Department of Interior Total				310,400	14,/41,/0
Department of Justice					
•	16.000	ADN 2020013-4	Evaluation of Alaska Department of Corrections Statewide Re		15,22
Alaska Department of Corrections					
Direct	16.000	G00015067	Support for Research, Testing, and Evaluation of Counter-Uni		940,830
Department of Justice Total					956,057
Department of State					
Research Foundation of the City University of New York	19.019	PO IB00591665 SUB F2067-	0 International Programs to Combat Human Trafficking	-	58,420
Department of State Total				-	58,426
Department of Transportation					
Direct	20.109	G00013710	Air Transportation Centers of Excellence	-	422,408
Direct	20.109	G00013982	Air Transportation Centers of Excellence	-	831
Direct	20.109	G00013983	Air Transportation Centers of Excellence	-	906
Direct	20.109	G00013984	Air Transportation Centers of Excellence	-	70,690
AK Department of Transportation & Public Facilities	20.205	ADN 2538021	Highway Planning and Construction	-	75,20:
Direct	20.701	G00011341	University Transportation Centers Program	968,293	1,516,76
II CW I D N III *C II4705C*	20.701	UWSC10217 BPO28344	University Transportation Centers Program	-	84,134
University of Washington Do Not Use *See U47056*	20.701		ATT: S. T C D.		
University of Washington Do Not Use "See U4/036" University of Washington	20.701	UWSC15064-PO-010003727	9 University Transportation Centers Program	-	105,913
		UWSC15064-PO-010003727	9 University Transportation Centers Program	968,293	105,913 2,276,853
University of Washington Department of Transportation Total		UWSC15064-PO-010003727	9 University Transportation Centers Program	968,293	
University of Washington Department of Transportation Total National Aeronautics and Space Administration	20.701				2,276,85.
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California	20.701	SUB# 00010657/PO#BB0169	¹⁴ Time History of Events and Macroscale Interactions during Su		2,276,85 .
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct	20.701 43.000 43.000	SUB# 00010657/PO#BB0169 G00014931	Parameter History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151	· -	2,276,855 93,627 7,855
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct	20.701 43.000 43.000 43.000	SUB# 00010657/PO#BB0169 G00014931 G00014933	P4Time History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC	· -	2,276,85. 93,62' 7,85: 2,76'
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct	43.000 43.000 43.000 43.000	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009	P4Time History of Events and Macroscale Interactions during Su AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows	: - : -	2,276,85. 93,62' 7,85: 2,76' 56,84:
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center	43.000 43.000 43.000 43.000 43.000 43.000	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02	4-Time History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing		2,276,85. 93,62' 7,85: 2,76' 56,84: 14,24
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland	43.000 43.000 43.000 43.000 43.000 43.000 43.000	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03	Parametric History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac		2,276,85. 93,62' 7,85: 2,76' 56,84' 14,24' 6,26(
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23	Partime History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror		2,276,85. 93,62 7,85. 2,76 56,84. 14,24. 6,26 12,69
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860	Parame History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW	-	2,276,85. 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014931 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587	ACTIME History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Direct Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589	24 Time History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Direct Direct Direct Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012039	ACTIME History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Direct Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589	24 Time History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533	2,276,85. 93,62 7,85. 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Direct Direct Direct Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012039	Partime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charae Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science Science	23,533	2,276,85. 93,62 7,85 2,76 56,84 14,24 6,266 12,69 7,90 658,05 50,55: 84,09 69,24
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Direct Direct Direct Direct Direct Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G0001239 G00012348	24/Time History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science Science Science Science	23,533 11,239 81,483	2,276,85. 93,62 7,85. 2,76 56,84. 14,24 6,26 12,69 7,90 658,05 50,55: 84,099 69,24 503,06
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G0001587 G00011589 G00012039 G00012348 G00012383	24 Time History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science Science Science Science Science	23,533 11,239 81,483	2,276,85. 93,62' 7,85: 2,76' 56,84: 14,244 6,26(12,69) 7,90' 658,05 50,55(84,099 69,244 503,06: 252,91:
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012039 G00012348 G00012348 G00012383 G00012796	24 Time History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science Science Science Science Science Science	23,533 11,239 81,483	2,276,85. 93,62' 7,85: 2,76' 56,84: 14,24! 6,26! 12,69- 7,90' 658,05 50,55! 84,09(69,24! 503,06: 252,91: 53,12:
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012399 G00012348 G00012383 G00012796 G00012806 G00012813	A Time History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science Science Science Science Science Science Science Science Science	23,533 11,239 81,483	2,276,85: 93,62' 7,85: 2,76' 56,84' 14,24' 6,26(12,69' 7,90' 658,05 50,55! 84,09(69,24' 503,06: 252,91: 53,12: 10,24'
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012348 G00012348 G00012348 G00012383 G00012796 G00012806	ACTIME History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483	2,276,85: 93,62' 7,85: 2,76' 56,84: 14,24t 6,26t 12,69- 7,90' 658,05 50,55t 84,099 69,24t 503,06: 252,91: 53,12: 10,24 18,67t
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012039 G00012348 G00012348 G00012383 G00012796 G00012816 G00012818 G00012818	24 Time History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015	2,276,85. 93,62' 7,85: 2,76' 56,84: 14,244 6,26(12,69) 7,90' 658,05 50,55(84,09) 69,244 503,06: 252,91: 53,12: 10,24 18,67' 4,25'
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012399 G00012348 G00012383 G00012796 G00012816 G00012816 G00012818 G00012818 G00012818 G00012818 G00012852 G00012967	AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483	2,276,85. 93,62 7,85. 2,76 56,84. 14,244 6,26 12,69 7,900 658,05 50,55! 84,09 69,244 503,06 252,91 53,12 10,24 18,67 4,25!
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G0001587 G00011589 G00012039 G00012348 G00012383 G00012796 G00012816 G00012818 G00012818 G00012818 G00012819 G00012819 G00012817 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819	A Time History of Events and Macroscale Interactions during Str AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charae Resources for Exploration & Science of OUR Cosmic Environ Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015	2,276,85: 93,62 7,85, 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55: 84,09 69,24 503,06 252,91: 53,12 10,24 18,67 4,25: 109,93: 24,80
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Columbia University Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G0001587 G00011589 G00012039 G00012348 G00012383 G00012796 G00012813 G00012816 G00012816 G00012817 G00012818 G00012818 G00012856 G00012818	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015	2,276,85: 93,62 7,85: 2,76 56,84: 14,24: 6,26: 12,69: 7,90 658,05 50,55: 84,09) 69,24: 503,06 252,91: 53,12: 10,24 18,67: 4,25: 109,38: 24,80 21,56
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct University of California Los Angeles	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012039 G00012348 G00012348 G00012383 G00012796 G00012816 G00012816 G00012816 G00012817 G00012817 G00012806 G00012818 G00012967 I(GG015418) / PO#G13877/6 G00013068 2090 G XA211	24 Time History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Columbia University Direct University of California Los Angeles Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00012587 G00011589 G00012399 G00012348 G00012383 G00012796 G00012818 G00012818 G00012818 G00012818 G00012819	A/Time History of Events and Macroscale Interactions during St A/GN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of A/C Closing in on the Launching Sites of A/GN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the A/GN-host connection with P/AH molecules (JW Science S	23,533 11,239 81,483 12,000 183,015	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 6,1,59
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Columbia University Direct University of California Los Angeles Direct University of California Los Angeles Direct University of Memphis	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00012587 G00011589 G0001239 G00012348 G00012383 G00012796 G00012816 G00012816 G00012817 G00012818 G00012852 G00012852 G00012852 G00012867 I(GG015418) / PO#G13877/6 G00013068 2090 G XA211 G00013122 A20-0099-S001-A03 MOD4	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct University of Maryland Direct Direct University of California Los Angeles Direct University of Memphis Direct University of Memphis	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G0001586 G0001587 G00011589 G00012039 G00012348 G00012383 G00012796 G00012813 G00012816 G00012816 G00012817 G00012818 G00012818 G00012818 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00012819 G00013068 Z000013068 Z000 G XA211 G00013122 A20-0009-S001-A03 MOD4	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012039 G00012348 G00012348 G00012383 G00012796 G00012816 G00012816 G00012816 G00012817 G0001301 G0001301 G0001301 G0001301 G0001301 G0001301 G00013122 G00013102 G00013102 G00013102 G00013301	A Time History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15 33,03
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00012389 G00012348 G00012388 G00012388 G00012386 G00012818 G00012818 G00012818 G00012819 G00012819 G00012819 G00012819 G00012814 G00013808 G0001281 G00013068 G0001281 G00013068 G0001281 G00013068 G00013068 G00013068 G00013068 G00013068 G00013068 G00013102 G00013102 G00013112 G00013112 G00013112 G00013301 G00013348	A Time History of Events and Macroscale Interactions during St AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 - 12,000 183,015 - - - 35,152	2,276,83 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15 33,03 97,32
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Columbia University Direct University of California Los Angeles Direct University of Memphis Direct University of Memphis Direct Direct Direct University of Memphis Direct Direct Direct Direct University of Memphis Direct Direct Direct Direct Direct University of Memphis Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G0001587 G00011589 G0001239 G00012348 G00012383 G00012796 G00012816 G00012816 G00012817 G00012818 G00012852 G00012967 1(GG015418) / PO#G13877/6 G00013068 2090 G XA211 G00013102 G00013102 G00013102 G00013301 G00013312 G00013312 G00013312 G00013318 G00013424	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015 - - - 35,152 - - - - - - - - - - - - - - - - - - -	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15 33,03 97,32 56,77
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct University of Maryland Los Angeles Direct University of California Los Angeles Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G0001586 G0001587 G00011589 G00012039 G00012348 G00012383 G00012796 G00012813 G00012816 G00012816 G00012817 G00012818 G00012818 G00012819 G00012819 G00012819 G00012819 G00013068 2090 G XA211 G00013102 G00013102 G00013102 G00013102 G00013310 G00013348 G00013348 G000013424 G000013515	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 - 12,000 183,015 - - - 35,152	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15 33,03 97,32 56,77 463,79
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Columbia University Direct University of California Los Angeles Direct University of Memphis Direct University of Memphis Direct Direct Direct University of Memphis Direct Direct Direct Direct University of Memphis Direct Direct Direct Direct Direct University of Memphis Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G0001587 G00011589 G0001239 G00012348 G00012383 G00012796 G00012816 G00012816 G00012817 G00012818 G00012852 G00012967 1(GG015418) / PO#G13877/6 G00013068 2090 G XA211 G00013102 G00013102 G00013102 G00013301 G00013312 G00013312 G00013312 G00013318 G00013424	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015 - - - 35,152 - - - - - - - - - - - - - - - - - - -	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15 33,03 97,32 56,77 463,79
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct University of Maryland Los Angeles Direct University of California Los Angeles Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G0001586 G0001587 G00011589 G00012039 G00012348 G00012383 G00012796 G00012813 G00012816 G00012816 G00012817 G00012818 G00012818 G00012819 G00012819 G00012819 G00012819 G00013068 2090 G XA211 G00013102 G00013102 G00013102 G00013102 G00013310 G00013348 G00013348 G000013424 G000013515	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015 - - - 35,152 - - - - - - - - - - - - - - - - - - -	2,276,85. 93,62' 7,85; 2,76' 56,84' 14,244' 6,266' 12,690' 7,900' 658,05 50,551' 84,090' 69,24' 503,06' 252,91: 53,12: 10,24 18,67'' 4,25' 109,93' 24,80' 21,56' 1,590' 94' 35,48'' 65,15: 33,03' 97,32' 56,77'' 463,79' 50,44'
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00010587 G00011589 G00012389 G00012348 G00012383 G00012796 G00012818 G00012818 G00012818 G00012818 G00012818 G00012819 G00012819 G00013852 G00012967 1(GG015418) / PO#G13877/G G00013068 2090 G XA211 G00013122 A20-0099-S001-A03 MOD4 G00013192 G00013348 G00013348 G00013424 G00013515 G00013576	A/Time History of Events and Macroscale Interactions during St A/GN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of A/C Closing in on the Launching Sites of A/GN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Chara Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the A/GN-host connection with P/AH molecules (JW Science	23,533 11,239 81,483 12,000 183,015 - - - 35,152 - - - - - - - - - - - - - - - - - - -	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15 33,03 97,32 56,77 463,79 50,44
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct University of Maryland Institute - BAER Direct University of California Los Angeles Direct University of Memphis Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014931 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G00012886 G00012389 G00012388 G00012388 G00012796 G00012818 G00012818 G00012819 G00012819 G00012819 G00012810 G00013808 G00012811 G00013808 G00012812 A20-0099-S001-A03 MOD4 1 G00013102 G00013102 G00013301 G00013301 G00013319 G00013319 G00013319 G00013319 G00013319 G00013515 G00013576 G00013576 G00013643	A Time History of Events and Macroscale Interactions during Str AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Environ Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015 - - - 35,152 - - - - - - - - - - - - - - - - - - -	2,276,85 93,62 7,85 2,76 56,84 14,24 6,26 12,69 7,90 658,05 50,55 84,09 69,24 503,06 252,91 53,12 10,24 18,67 4,25 109,93 24,80 21,56 1,59 94 35,48 65,15 33,03 97,32 56,77 463,79 50,44 160,76 34,91
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct University of Maryland Los Angeles Direct University of California Los Angeles Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014933 G00014933 G00015009 WOODWELL-TG0701-02 NASA0104-03 BAER 6/16/23 G00015860 G0001587 G00012039 G00012348 G00012348 G00012383 G00012796 G00012813 G00012816 G00012816 G00012817 G00012818 G00012818 G00012819 G00012819 G00013068 2090 G XA211 G00013068 2090 G XA211 G00013122 G00013122 G00013301 G00013312 G00013318 G0001348 G00013424 G00013576 G00013576 G00013643 G00013576 G00013643 G00013851 G00013881	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015 - - - 35,152 - - - - - - - - - - - - - - - - - - -	2,276,85. 93,62 7,85. 2,76 56,84. 14,24 6,26 12,699 7,900 658,05 50,55: 84,099 69,24 503,06 252,91: 53,12: 10,24 18,67: 4,25: 109,93: 24,80 21,56 1,59 94 35,48: 65,15: 33,03: 97,32: 56,77 463,79 50,44 160,76 34,91 36,02
University of Washington Department of Transportation Total National Aeronautics and Space Administration University of California Direct Direct Direct Woodwell Climate Research Center University of Maryland Bay Area Environmental Research Institute - BAER Direct Direct Direct Direct Direct Direct Direct Direct Direct Columbia University Direct University of California Los Angeles Direct University of Memphis Direct Direct Direct University of Memphis Direct Direct Direct Direct Direct Direct University of Memphis Direct	43.000 43.000 43.000 43.000 43.000 43.000 43.000 43.001	SUB# 00010657/PO#BB0169 G00014931 G00014931 G00014933 G00014933 BAER 6/16/23 BAER 6/16/23 G00015860 G0001587 G00011589 G00012348 G0001239 G0001239 G00012813 G00012816 G00012816 G00012817 G00012818 G00012818 G00012819 G00012819 G00012819 G0001390 G0001390 G0001391 G00013018 G00013018 G00013018 G00013018 G00013018 G00013018 G00013018 G00013018 G00013192 G00013301 G00013318 G00013576 G00013576 G00013576 G00013576 G00013576 G00013643 G00013851	ACTime History of Events and Macroscale Interactions during St. AGN Feeding and Feedback in NGC 4151 Dust in the Wind: testing a new paradigm for the nature of AC Closing in on the Launching Sites of AGN outflows Contributions of tundra and boreal systems to radiative forcing Modular Spectrometer for Atmosphere and Ionosphere Charac Resources for Exploration & Science of OUR Cosmic Enviror Unveiling the AGN-host connection with PAH molecules (JW Science	23,533 11,239 81,483 12,000 183,015 - - - 35,152 - - - - - - - - - - - - - - - - - - -	

		Grant Number or Pass-		Amounts Passed	
		Through Identifying		through to	Total Federal
Federal Grantor/Cluster Title/Direct Award or Pass Through Entity Carnegie Mellon University	43.001	Number SUB# 1110245-439456	Program Title Science	Subrecipients (\$)	Expenditures (\$) 40,396
Arizona State University	43.001	ASUB00000752	Science	-	32,280
Direct	43.001	G00014056	Science	59,559	215,551
Direct	43.001	G00014057	Science	-	93,990
Direct	43.001	G00014085	Science	-	54,166
Direct	43.001	G00014140	Science	-	81,513
Direct	43.001	G00014141	Science	=	7,471
Direct	43.001	G00014142	Science	-	243,433
Direct	43.001	G00014223	Science	-	80,275
JPL	43.001	1666752	Science	-	33,151
Direct	43.001	G00014278	Science	=	288,403
Direct	43.001	G00014334	Science	-	38,442
Direct Direct	43.001 43.001	G00014337 G00014460	Science Science	-	29,868 40,965
Direct	43.001	G00014467	Science	65,648	131,898
Direct	43.001	G00014497	Science	-	19,124
JPL	43.001	1670285	Science	_	12,290
University of California Berkeley	43.001	00010895 PO#BB01534160	Science	-	71,822
Embry-Riddle Aeronautical University	43.001	61684-03	Science	-	81,922
Direct	43.001	G00014606	Science	-	21,707
Direct	43.001	G00014608	Science	=	13,131
Clemson University	43.001	2378-204-2015147	Science	=	18,373
Embry-Riddle Aeronautical University	43.001	61704-01 / PO#272608	Science	-	16,274
Direct	43.001	G00014696	Science	-	1,961
Direct	43.001	G00014725	Science	242,839	367,150
Direct	43.001	G00014726	Science	22,994	206,528
Space Science Institute	43.001	SUBAWD NO. 01090	Science	-	36,921
Direct	43.001	G00014836	Science	-	82,348
Direct Direct	43.001 43.001	G00014871	Science Science	=	27,729 29,922
Direct	43.001	G00014916 G00014951	Science	-	26,890
Direct	43.001	G00014951 G00014954	Science	-	72,377
University of Washington Do Not Use *See U47056*	43.001	UWSC13748 BPO66535	Science	_	1,683
Clemson University	43.001	2425-204-2015473	Science	_	48,586
Cornell University	43.001	SUBAWARD # 142076-2201		-	39,830
University of New Hampshire	43.001	PZL0255	Science	-	42,344
Direct	43.001	G00015161	Science	63,128	117,192
University of Maryland	43.001	NASA0092-02	Science	-	42,361
Direct	43.001	G00015166	Science	-	167,083
Direct	43.001	G00015181	Science	-	48,913
Purdue University	43.001	12000447-022	Science	-	130,988
Direct	43.001	G00015194	Science	-	30,564
Direct	43.001	G00015197	Science	-	36,591
Direct	43.001	G00015264	Science	-	12,003
Direct Direct	43.001 43.001	G00015298	Science Science	-	51,114 114,984
Direct	43.001	G00015300 G00015308	Science	-	
Direct	43.001	G00015308 G00015373	Science	-	88,340 74,963
Direct	43.001	G00015373 G00015398	Science	72,276	112,833
Montana State University	43.001	NEBP-131	Science	72,270	26,087
Direct	43.001	G00015482	Science	_	50,795
Direct	43.001	G00015556	Science	24,000	12,937,925
Direct	43.001	G00015597	Science	· ·	140,788
Direct	43.001	G00015612	Science	9,670	103,122
Direct	43.001	G00015658	Science	=	65,978
Direct	43.001	G00015734	Science	-	200,814
Woodwell Climate Research Center	43.001	BGX411-01	Science	=	5,730
University of Colorado, Boulder	43.001	SUB# 1564031/PO#: 1001876		-	12,382
Direct	43.001	G00015865	Science	-	19,089
University of New Hampshire	43.001	SUB # PZL0352	Science	-	7,623
Direct	43.001 43.001	G00015939 SUB# 1564756/PO# 1001925	Science 7 Science	-	6,119 3,049
University of Colorado Dartmouth College	43.001	R1812	Science	-	3,049 596
Stanford University	43.001	SUBAWARD #63330994-266		- -	14,264
Direct	43.001	G00016005	Science	-	7,417
Direct	43.001	G00016040	Science	_	797
Direct	43.008	G00012874	Office of Stem Engagement (OSTEM)	-	16
Direct	43.008	G00013295	Office of Stem Engagement (OSTEM)	74,496	990,002
Direct	43.008	G00013598	Office of Stem Engagement (OSTEM)	403,763	421,346
Direct	43.008	G00013613	Office of Stem Engagement (OSTEM)	=	161,970
Direct	43.008	G00014395	Office of Stem Engagement (OSTEM)	-	109,110
Direct	43.008	G00014556	Office of Stem Engagement (OSTEM)	-	160,930
Direct	43.008	G00014629	Office of Stem Engagement (OSTEM)	=	201,363
Direct	43.008	G00014972	Office of Stem Engagement (OSTEM)	=	360,735
Direct	43.008	G00015040	Office of Stem Engagement (OSTEM)	-	24,963
Direct	43.008	G00015616	Office of Stem Engagement (OSTEM)	-	84,330
Direct			Office of Stem Engagement (OSTEM)	-	57,849
Direct	43.008	G00015685			52 551
Direct	43.008 43.008	G00015961	Office of Stem Engagement (OSTEM)	=	53,556 35,699
Direct Direct	43.008 43.008 43.008	G00015961 G00016000	Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM)	- -	35,699
Direct Direct Universities Space Research Association	43.008 43.008	G00015961	Office of Stem Engagement (OSTEM)	1.803.609	35,699 407
Direct Direct	43.008 43.008 43.008	G00015961 G00016000	Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM)	1,803,609	35,699
Direct Direct Universities Space Research Association	43.008 43.008 43.008	G00015961 G00016000	Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM)	1,803,609	35,699 407
Direct Direct Universities Space Research Association National Aeronautics and Space Administration Total	43.008 43.008 43.008	G00015961 G00016000 SUBK-23-0038/P23-0287	Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM)	1,803,609	35,699 407
Direct Direct Universities Space Research Association National Aeronautics and Space Administration Total National Science Foundation	43.008 43.008 43.008 43.008	G00015961 G00016000 SUBK-23-0038/P23-0287 SUB# 35444 (AGS-1840962)	Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM)	-	35,699 407 23,256,939
Direct Direct Universities Space Research Association National Aeronautics and Space Administration Total National Science Foundation SRI International	43.008 43.008 43.008 43.008 47.000	G00015961 G00016000 SUBK-23-0038/P23-0287 SUB# 35444 (AGS-1840962)	Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM) Office of Stem Engagement (OSTEM) PFISR OPERATIONS AND MAINTENANCE SUPPORT	- - -	35,699 407 23,256,939 461,271

Description Propriet Propri			Grant Number or Pass-		Amounts Passed	Total Fadaval	
Pose	Federal Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Through Identifying	Program Title	through to Subrecipients (\$)	Total Federal	
Description						3,986	
Dence				**	i -	7,814	
Decid			G00015717	Conference: Workshop to Grow Aspiring PIs in the Computer	-	2,151	
Deach					-	32,374	
Denet				6 6	-		
Dent					-	85,546	
Direct					_	4,698	
Direct	Direct	47.041	G00014774		-	123,373	
Direct					-	54,917	
Derect					-	73,352	
Direct					=	2,071	
Direct					-		
Devet				*	_	8,375	
Drace				-	-	89,529	
Direct			G00014792	Mathematical and Physical Sciences	-	3,256	
Internating of Polissume					-	113,267	
Direct					-	65,232	
Direct	•				-	93	
Direct				-	-	5,723	
Direct					44,469	49,751	
Direct			G00010551		-	125	
Direct	Direct	47.050	G00011033	Geosciences	=	4,884	
University of Teans at Asalin					-	139,161	
Direct					-	65,701	
Direct	•				-	43,046	
Direct					-		
Direct					48 982	91,149	
Direct						745,676	
Massochusterth intertier of Technology					-	45,898	
Direct	Direct	47.050	G00011862	Geosciences	-	55,215	
Pennsylvania State University, The	Massachusetts Institue of Technology			Geosciences	-	76,855	
Direct					=	27,822	
Direct					-	17,388	
Direct 47,080 G0001218 Consciences 1,248,77 Direct 47,080 G00012161 Genesiances 4,24,44 Direct 47,080 G00012261 Genesiances 4,44,54 Direct 47,080 G00012291 Genesiances 7,000 60,8 Direct 47,080 G00012183 Genesiances 123,415 20,83 Direct 47,080 G00012183 Genesiances 123,415 20,83 Direct 47,080 G00012365 Genesiances 34,804 440,00 Direct 47,080 G00012365 Genesiances 2,121,20 Direct 47,080 G00012609 Genesiances 2,212,12 Direct 47,080 G0001271 Genesiances 2,212,12 Direct 47,080 G00012721 Genesiances 2,212,12 Direct 47,080 G00012721 Genesiances 2,212,12 Direct 47,080 G00012721 Genesiances 3,20,2 Direc					-		
Direct					-		
Direct					_	32,577	
Direct					=	44,424	
Direct 47,050 G00012318 Genocimenes 12,3415 20,381 Direct 47,050 G00012360 Genocimenes - 10,10 Direct 47,050 G00012360 Geoscimenes - 18,88 Direct 47,050 G00012366 Geoscimenes - 121,22 Direct 47,050 G00012760 Geoscimenes - 421,0 Direct 47,050 G0001271 Geoscimenes - 120,2 Direct 47,050 G0001271 Geoscimenes - 120,2 Direct 47,050 G0001271 Geoscimenes - 120,2 Direct 47,050 G0001276 Geoscimenes - 150,3 Direct 47,050 G0001276 Geoscimenes - 150,3 Direct 47,050 G0001277 Geoscimenes - 140,9 Direct 47,050 G0001279 Geoscimenes - 150,9 Direct 47,050	Direct	47.050	G00012291	Geosciences	-	43,586	
Direct						60,848	
Direct 47,050 G00012366 Geosciences 34,804 440,00 Direct 47,050 G00012366 Geosciences - 121,22 Direct 47,050 G00012366 Geosciences - 212,12 Direct 47,050 G00012740 Geosciences - 212,25 Direct 47,050 G00012740 Geosciences - 34,0 Direct 47,050 G00012740 Geosciences - 34,0 Direct 47,050 G00012771 Geosciences - 69,9 Direct 47,050 G00012772 Geosciences - 14,87 Direct 47,050 G00012793 Geosciences - 14,87 Direct 47,050 G00012875 Geosciences - 19,38 Direct 47,050 G00012895 Geosciences - 119,58 30,17 Direct 47,050 G00012895 Geosciences - 19,02 Direct					123,415	203,884	
Direct					-	10,160	
Direct					34,804		
Direct					-		
Direct 47,050 G00012721 Goosciences - 12,55.5 Oregon State University 47,050 SUBAWARD # 2089C-B Goosciences - 34,0 Direct 47,050 G0001276 Goosciences - 34,0 Direct 47,050 G00012771 Geosciences - 69,9 Direct 47,050 G00012771 Geosciences - 69,9 Direct 47,050 G00012779 Geosciences - 7,04 Direct 47,050 G00012759 Geosciences 19,31 Direct 47,050 G00012851 Geosciences 19,918 Direct 47,050 G00012851 Geosciences 19,918 Direct 47,050 G00012851 Geosciences 19,918 Direct 47,050 G00012935 Geosciences 19,181 Direct 47,050 G00012935 Geosciences 19,281 Direct 47,050 G00012935 Geosciences 2,230 Direct 47,050 G00001290 Geoscience					_	421,015	
Oregon State University 47,050 SUBAWARD # \$2089C-B Geosciences - 15,03 Direct 47,050 G00012771 Geosciences - 6,04 Direct 47,050 G00012772 Geosciences - 14,48,7 Direct 47,050 G00012873 Geosciences - 593,3 Direct 47,050 G00012875 Geosciences 119,518 301,7 Direct 47,050 G00012875 Geosciences 119,518 301,7 Direct 47,050 G00012895 Geosciences 19,518 301,7 Direct 47,050 G00012895 Geosciences 19,518 301,7 Direct 47,050 G00012939 Geosciences 1,76,60 114,66 Direct 47,050 G00012939 Geosciences 2,2,0 145,66 Direct 47,050 G00012996 Geosciences 2,2,2 140,60 Direct 47,050 G00012999 Geosciences 2,2,2 140,60					=	100,285	
Direct	Direct	47.050	G00012740	Geosciences	-	125,554	
Direct 47.050 G00012771 Goosciences - 60.9 Direct 47.050 G00012772 Goosciences - 148.7 Direct 47.050 G00012875 Geosciences - 70.93 Direct 47.050 G00012875 Geosciences - 61.5 Direct 47.050 G00012891 Goosciences - 61.5 Direct 47.050 G00012895 Goosciences - 67.0 Direct 47.050 G00012895 Goosciences - 75.0 Direct 47.050 G00012939 Goosciences - 17.6 Direct 47.050 G00012939 Goosciences - 23.0 Direct 47.050 G00012989 Goosciences - 24.42 Direct 47.050 G00012990 Goosciences - 40.65 Direct 47.050 G00013003 Goosciences - 41.65 Direct 47.050 G0	Oregon State University		SUBAWARD # S2089C-B	Geosciences	-	34,011	
Direct 47.050 G00012772 Geosciences - \$39,3,3 Direct 47.050 G00012893 Geosciences - 70,9 Direct 47.050 G00012875 Geosciences 1 19,518 301,7 Direct 47.050 G00012891 Geosciences - 6,55 61,55 Direct 47.050 G00012895 Geosciences - 7,00 17,66 Direct 47.050 G00012939 Geosciences - 7,00 176,66 Direct 47.050 G00012939 Geosciences - 23,00 185,56 Direct 47.050 G00012976 Geosciences - 23,00 185,56 Direct 47.050 G00012993 Geosciences - 23,00 180,42 Direct 47.050 G00012994 Geosciences - 24,24 180,42 Direct 47.050 G00013003 Geosciences - 142,44 19,60 191,11 191,11 191,11 191,11 191,11 191,11 191,11 191,11 191,11 <td></td> <td></td> <td></td> <td></td> <td>=</td> <td>150,324</td>					=	150,324	
Direct 47.050 G00012799 Geosciences - 799,9 Direct 47.050 G00012853 Geosciences 119,518 301,7 Direct 47.050 G00012891 Geosciences 119,518 301,7 Direct 47.050 G00012895 Geosciences - 57,00 Direct 47.050 G00012935 Geosciences - 147,66 Direct 47.050 G00012936 Geosciences - 147,66 Direct 47.050 G00012976 Geosciences - 23,07 Direct 47.050 G00012996 Geosciences - 80,4,4 Direct 47.050 G00012991 Geosciences - 410,6 Direct 47.050 G00013003 Geosciences - 410,6 Direct 47.050 G00013004 Geosciences - 410,6 Direct 47.050 G00013016 Geosciences - 180,2 Pennsylvania State Universit					-	60,910	
Direct 47,050 G00012875 Geosciences 19,518 301,77 Direct 47,050 G00012891 Geosciences 19,518 301,77 Direct 47,050 G00012895 Geosciences 1-6,55 Direct 47,050 G00012935 Geosciences - 77,00 Direct 47,050 G00012939 Geosciences - 148,56 Direct 47,050 G00012976 Geosciences - 2,32,00 Direct 47,050 G00012976 Geosciences - 2,80,4 Direct 47,050 G00012999 Geosciences - 2,74,2 Direct 47,050 G00012991 Geosciences - 40,6 Direct 47,050 G00013003 Geosciences - 142,4 Direct 47,050 G00013016 Geosciences - 149,6 Direct 47,050 G00013016 Geosciences - 183,0 Direct 47,050 <				Geoseienees	-		
Direct 47,050 G00012875 Geosciences 119,518 301,75 Direct 47,050 G00012891 Geosciences - 61,55 Direct 47,050 G00012895 Geosciences - 7,70 Direct 47,050 G00012939 Geosciences - 148,54 Direct 47,050 G00012976 Geosciences - 23,07 Direct 47,050 G00012998 Geosciences - 24,04 Direct 47,050 G00012990 Geosciences - 24,02 Direct 47,050 G00012991 Geosciences - 41,06 Direct 47,050 G00013004 Geosciences - 142,4 Direct 47,050 G00013016 Geosciences - 142,4 Direct 47,050 G00013016 Geosciences - 149,8 Direct 47,050 G00013016 Geosciences - 196,2 Pennsylvania State University					-		
Direct 47,050 G00012891 Geosciences - 61,55 Direct 47,050 G00012895 Geosciences - 57,00 Direct 47,050 G00012935 Geosciences - 17,66 Direct 47,050 G00012976 Geosciences - 23,07 Direct 47,050 G00012989 Geosciences - 274,22 Direct 47,050 G00012990 Geosciences - 274,22 Direct 47,050 G00012991 Geosciences - 274,22 Direct 47,050 G00013003 Geosciences - 410,66 Direct 47,050 G00013004 Geosciences - 410,66 Direct 47,050 G00013016 Geosciences - 180,22 Direct 47,050 G00013016 Geosciences 2,577 180,2 Pennsylvania State University 47,050 G00013159 Geosciences 2,577 180,2 Pinect					119,518	301,727	
Direct 47,050 G00012895 Geosciences - 57,00 Direct 47,050 G00012939 Geosciences - 17,66 Direct 47,050 G00012976 Geosciences - 23,00 Direct 47,050 G00012989 Geosciences - 23,00 Direct 47,050 G00012990 Geosciences - 274,22 Direct 47,050 G00012991 Geosciences - 470,62 Direct 47,050 G00013003 Geosciences - 142,43 Direct 47,050 G00013004 Geosciences - 149,83 Direct 47,050 G00013012 Geosciences - 149,83 Direct 47,050 G00013016 Geosciences - 149,83 Direct 47,050 G0001315 Geosciences - 149,24 Direct 47,050 G0001359 Geosciences - 150,24 Direct 47,050					=	61,545	
Direct 47,050 G00012939 Geosciences - 18,55,55 Direct 47,050 G00012976 Geosciences - 23,00 Direct 47,050 G00012990 Geosciences - 274,22 Direct 47,050 G00012991 Geosciences - 410,66 Direct 47,050 G00013003 Geosciences - 142,44 Direct 47,050 G000130102 Geosciences - 142,44 Direct 47,050 G00013012 Geosciences - 149,88 Direct 47,050 G00013016 Geosciences - 162,22 Pennsylvania State University 47,050 G000131159 Geosciences 2,577 180,2 Pennsylvania State University, The 47,050 G00013252 Geosciences 2,577 180,2 Direct 47,050 G00013378 Geosciences - 37,2 Direct 47,050 G00013378 Geosciences - 197,1 <		47.050	G00012895		=	57,085	
Direct 47.050 G00012976 Geosciences - 23.0° Direct 47.050 G00012990 Geosciences - 80.4° Direct 47.050 G00012991 Geosciences - 274,2° Direct 47.050 G00013003 Geosciences - 410.6° Direct 47.050 G00013004 Geosciences - 149.8° Direct 47.050 G00013012 Geosciences - 149.8° Direct 47.050 G00013016 Geosciences - 160.20 Direct 47.050 G00013016 Geosciences - 106.20 Pennsylvania State University 47.050 S000079-NSF Geosciences 2,577 180.2 Pennsylvania State University, The 47.050 S000076-NSF MOD4 ALF-NG Geosciences 2,577 180.2 Direct 47.050 G00013252 Geosciences - 38.3 Direct 47.050 G00013282 Geosciences - 2 2 </td <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>17,693</td>					-	17,693	
Direct 47.050 G00012989 Geosciences - 80.45 Direct 47.050 G00012990 Geosciences - 274,25 Direct 47.050 G00012991 Geosciences - 410,65 Direct 47.050 G00013003 Geosciences - 142,44 Direct 47.050 G00013012 Geosciences - 149,85 Direct 47.050 G00013012 Geosciences - 140,82 Direct 47.050 G00013016 Geosciences - 106,24 Pennsylvania State University 47.050 G00013159 Geosciences - 109,18 Direct 47.050 G00013159 Geosciences - 109,18 Direct 47.050 G00013252 Geosciences - 37,22 Direct 47.050 G00013252 Geosciences - 6,67 Direct 47.050 G00013252 Geosciences - 6,67 Direct					=	148,563	
Direct 47.050 G00012990 Geosciences - 274,22 Direct 47.050 G00012991 Geosciences - 410,6 Direct 47.050 G00013003 Geosciences - 142,4 Direct 47.050 G00013004 Geosciences - 149,8 Direct 47.050 G00013012 Geosciences - 106,2 Direct 47.050 G00013016 Geosciences - 106,2 Pennsylvania State University 47.050 S000079-NSF Geosciences 2,577 180,2 Pennsylvania State University, The 47.050 G00013159 Geosciences 2,577 180,2 Pennsylvania State University, The 47.050 G00013252 Geosciences - 38,3 Direct 47.050 G00013282 Geosciences - 37,2 University of Georgia 47.050 SUB00002210 Geosciences - 46,67 Direct 47.050 G00013378 Geosciences <td< td=""><td></td><td></td><td></td><td></td><td>-</td><td>23,075</td></td<>					-	23,075	
Direct 47.050 G00012991 Geosciences - 410.60 Direct 47.050 G00013003 Geosciences - 142.48 Direct 47.050 G00013012 Geosciences - 183.00 Direct 47.050 G00013016 Geosciences - 106.22 Pennsylvania State University 47.050 S000079-NSF Geosciences - 109.13 Direct 47.050 S000079-NSF Geosciences - 109.13 Direct 47.050 S000076-NSF MOD4 ALF-NC Geosciences 2,577 180,2 Pennsylvania State University, The 47.050 S000076-NSF MOD4 ALF-NC Geosciences - 38.34 Direct 47.050 G00013282 Geosciences - 38.24 Direct 47.050 G00013282 Geosciences - 66.7 University of Georgia 47.050 SUB0002210 Geosciences - 9.2 Direct 47.050 G00013316 Geosciences - 9.2					-		
Direct 47.050 G00013003 Geosciences - 142,44 Direct 47.050 G00013004 Geosciences - 149,8 Direct 47.050 G00013012 Geosciences - 180,8 Direct 47.050 G00013016 Geosciences - 106,2 Pennsylvania State University 47.050 G00013159 Geosciences 2,577 180,2 Pennsylvania State University, The 47.050 G000013252 Geosciences 2,577 180,2 Pennsylvania State University, The 47.050 G00013252 Geosciences 2 37,2 Direct 47.050 G00013282 Geosciences - 66,7 University of Georgia 47.050 G00013378 Geosciences - 67,6 Direct 47.050 G00013416 Geosciences - 96,6 Direct 47.050 G00013510 Geosciences - 197,1 Georgetown University 47.050 G00013510 Geosciences					-	410,633	
Direct 47.050 G00013004 Geosciences - 149.85 Direct 47.050 G00013012 Geosciences - 83.05 Direct 47.050 G00013016 Geosciences - 106.24 Pennsylvania State University 47.050 S000079-NSF Geosciences - 109.18 Direct 47.050 G00013159 Geosciences 2,577 180.22 Pennsylvania State University, The 47.050 S000076-NSF MOD4 ALF-NG Geosciences - 38.20 Direct 47.050 G00013252 Geosciences - 37.21 Direct 47.050 G00013282 Geosciences - 66.71 University of Georgia 47.050 SUB00002210 Geosciences - 96.66 Direct 47.050 G00013378 Geosciences - 96.67 Direct 47.050 G00013378 Geosciences - 197.11 Georgetown University 47.050 G00013510 Geosciences -						142,480	
Direct 47.050 G00013012 Geosciences - 83.00 Direct 47.050 G00013016 Geosciences - 106,20 Pennsylvania State University 47.050 S000079-NSF Geosciences - 109,18 Direct 47.050 G00013159 Geosciences 2,577 180,22 Pennsylvania State University, The 47.050 G00013252 Geosciences - 37,24 Direct 47.050 G00013282 Geosciences - 37,24 University of Georgia 47.050 SUB00002210 Geosciences - 66,71 Direct 47.050 G00013378 Geosciences - 96,66 Direct 47.050 G00013416 Geosciences - 197,11 Georgetown University 47.050 G00013510 Geosciences - 197,12 Direct 47.050 G00013510 Geosciences - 56,468 622,33 Direct 47.050 G00013559 Geosciences <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>149,824</td>					-	149,824	
Pennsylvania State University 47.050 S000079-NSF Geosciences - 109.15 Direct 47.050 G00013159 Geosciences 2,577 180,22 Pennsylvania State University, The 47.050 S000076-NSF MOD4 ALF-NC Geosciences - 38,36 Direct 47.050 G00013252 Geosciences - 66,7 Direct 47.050 G00013282 Geosciences - 2 University of Georgia 47.050 G00013378 Geosciences - 96,6 Direct 47.050 G00013416 Geosciences - 197,11 Georgetown University 47.050 SUB AWD7774077-GR2062 Geosciences - 197,12 Direct 47.050 G00013510 Geosciences 56,468 622,30 Direct 47.050 G00013535 Geosciences 56,468 622,30 Direct 47.050 G00013537 Geosciences - 3,4' Direct 47.050 G00013579 Geosciences - <					-	83,038	
Direct 47.050 G00013159 Geosciences 2,577 180,2 Pennsylvania State University, The 47.050 S000076-NSF MOD4 ALF-NC Geosciences - 38,3 Direct 47.050 G00013252 Geosciences - 37,20 Direct 47.050 G00013282 Geosciences - 66,7 University of Georgia 47.050 SUB00002210 Geosciences - 96,60 Direct 47.050 G00013378 Geosciences - 96,60 Direct 47.050 G00013416 Geosciences - 197,11 Georgetown University 47.050 G00013510 Geosciences - 197,11 Direct 47.050 G00013510 Geosciences - 36,33 Direct 47.050 G00013555 Geosciences - 3,44 Direct 47.050 G00013577 Geosciences - 129,95 Direct 47.050 G00013579 Geosciences - 3,47					-	106,269	
Pennsylvania State University, The 47.050 S000076-NSF MOD4 ALF-NC Geosciences - 38.36 Direct 47.050 G00013252 Geosciences - 37.20 Direct 47.050 G00013282 Geosciences - 66.71 University of Georgia 47.050 SUB00002210 Geosciences - 96.66 Direct 47.050 G00013378 Geosciences - 197.11 Georgetown University 47.050 G00013416 Geosciences - 197.11 Direct 47.050 G00013510 Geosciences - 36.33 Direct 47.050 G00013510 Geosciences 56,468 622.33 Direct 47.050 G00013555 Geosciences 56,468 622.33 Direct 47.050 G00013559 Geosciences - 129.93 Direct 47.050 G00013577 Geosciences - 129.93 Direct 47.050 G00013595 Geosciences - 29.43	· · · · · · · · · · · · · · · · · · ·				-	109,184	
Direct 47.050 G00013252 Geosciences - 37,20 Direct 47.050 G00013282 Geosciences - 66,7 University of Georgia 47.050 SUB00002210 Geosciences - 2 Direct 47.050 G00013378 Geosciences - 96,6 Direct 47.050 G00013416 Geosciences - 197,1 Georgetown University 47.050 SUB AWD7774077-GR20622 Geosciences - 36,3 Direct 47.050 G00013510 Geosciences - 36,3 Direct 47.050 G0001355 Geosciences - 3,4 Direct 47.050 G0001355 Geosciences - 129,9 Direct 47.050 G00013577 Geosciences - 29,4 Direct 47.050 G00013595 Geosciences - 29,4 Direct 47.050 G00013595 Geosciences - 29,4 Direct 47.050					2,577	180,212	
Direct 47.050 G00013282 Geosciences - 66,77 University of Georgia 47.050 SUB00002210 Geosciences - 2 Direct 47.050 G00013378 Geosciences - 96,6 Direct 47.050 G00013416 Geosciences - 197,1 Georgetown University 47.050 SUB AWD7774077-GR20662 Goosciences - 36,3 Direct 47.050 G00013510 Geosciences 56,468 622,3 Direct 47.050 G00013535 Geosciences - 3,4' Direct 47.050 G00013577 Geosciences - 129,9' Direct 47.050 G00013577 Geosciences - 29,4' Direct 47.050 G00013595 Geosciences - 37,5' Direct 47.050 G00013595 Geosciences - 37,5' Direct 47.050 G00013595 Geosciences - 37,5' Direct	· · · · · · · · · · · · · · · · · · ·				-	38,368 37,204	
University of Georgia 47.050 SUB00002210 Geosciences - 2 Direct 47.050 G00013378 Geosciences - 96,6° Direct 47.050 G00013416 Geosciences - 197,1' Georgetown University 47.050 SUB AWD7774077-GR20662 Geosciences - 36,3' Direct 47.050 G00013510 Geosciences 56,468 622,3' Direct 47.050 G00013535 Geosciences - 3,4' Direct 47.050 G00013579 Geosciences - 129,9' Direct 47.050 G00013577 Geosciences - 29,4' Direct 47.050 G00013595 Geosciences - 37,5' Direct					-	66,715	
Direct 47.050 G00013378 Geosciences - 96.67 Direct 47.050 G00013416 Geosciences - 197,11 Georgetown University 47.050 SUB AWD7774077-GR20662 Geosciences - 36.35 Direct 47.050 G00013510 Geosciences 56,468 622,3 Direct 47.050 G00013555 Geosciences - 129,95 Direct 47.050 G00013577 Geosciences - 129,95 Direct 47.050 G00013595 Geosciences - 29,45 Direct 47.050 G00013595 Geosciences - 37,55 Direct 47.050 G00013595 Geosciences - 37,55 Direct 47.050 G00013595 Geosciences - 37,50 Direct 47.050 G00013595 Geosciences - 37,50 Direct 47.050 G00013595 Geosciences - 37,50 Direct					-	219	
Direct 47.050 G00013416 Geosciences - 197,11 Georgetown University 47.050 SUB AWD7774077-GR2062 Geosciences - 36,31 Direct 47.050 G00013510 Geosciences 56,468 622,36 Direct 47.050 G00013535 Geosciences - 3,4 Direct 47.050 G00013579 Geosciences - 129,92 Direct 47.050 G00013595 Geosciences - 29,43 Direct 47.050 G00013595 Geosciences - 37,55 Direct 47.050 G00013595 Geosciences - - 7,00					-	96,676	
Georgetown University 47.050 SUB AWD7774077-GR20662 Geosciences - 36,33 Direct 47.050 G00013510 Geosciences 56,468 622,36 Direct 47.050 G00013535 Geosciences - 3,4* Direct 47.050 G00013559 Geosciences - 129,95 Direct 47.050 G00013577 Geosciences - 29,45 Direct 47.050 G00013595 Geosciences - 37,55 Direct 47.050 G00013605 Geosciences - 37,55 Direct 47.050 G00013605 Geosciences - 37,55					-	197,114	
Direct 47.050 G00013535 Geosciences - 3,4° Direct 47.050 G00013559 Geosciences - 129,9° Direct 47.050 G00013577 Geosciences - 29,4° Direct 47.050 G00013595 Goosciences - 37,5° Direct 47.050 G00013605 Geosciences - 7,00°	Georgetown University	47.050			=	36,336	
Direct 47.050 G00013559 Geosciences - 129,93 Direct 47.050 G00013577 Geosciences - 29,43 Direct 47.050 G00013595 Geosciences - 37,52 Direct 47.050 G00013605 Geosciences - 7,00					56,468	622,360	
Direct 47.050 G00013577 Geosciences - 29,43 Direct 47.050 G00013595 Geosciences - 37,53 Direct 47.050 G00013605 Geosciences - 7,00					=	3,477	
Direct 47.050 G00013595 Geosciences - 37,57 Direct 47.050 G00013605 Geosciences - 7,00					-	129,959	
Direct 47.050 G00013605 Geosciences - 7,00					-	29,439	
					-	37,522 7,003	
Δ10CU 47.000 U00013011 Geosciences - 176.20	Direct	47.050	G00013611	Geosciences	-	176,460	

		Grant Number or Pass- Through Identifying		Amounts Passed through to	Total Federal
Federal Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number		Program Title	Subrecipients (\$)	Expenditures (\$)
Direct	47.050	G00013628	Geosciences	-	164,402
Direct	47.050	G00013657	Geosciences	-	46,604
Direct	47.050	G00013669	Geosciences	-	19,105
Direct Woodwell Climate Research Center	47.050 47.050	G00013681 WOODWELL-BGX403-02	Geosciences Geosciences	-	166,935
Direct	47.050	G00013700	Geosciences	-	34,056 58,912
Direct	47.050	G00013700 G00013717	Geosciences	-	73,033
Direct	47.050	G00013796	Geosciences	-	154,138
Direct	47.050	G00013815	Geosciences	-	30,362
Direct	47.050	G00013947	Geosciences	=	17,017
University of Colorado	47.050	1560318/ PO 1001469934	Geosciences	-	49,668
Direct Direct	47.050 47.050	G00014012 G00014051	Geosciences Geosciences	-	232,557 1,656,566
Direct	47.050	G00014031 G00014110	Geosciences	_	51,314
Direct	47.050	G00014168	Geosciences	-	2,855
Direct	47.050	G00014192	Geosciences	-	24,569
Direct	47.050	G00014195	Geosciences	-	108,684
Direct	47.050	G00014298	Geosciences	-	29,765
Direct Direct	47.050 47.050	G00014304 G00014321	Geosciences Geosciences	-	354,226 28,414
Direct	47.050	G00014321 G00014323	Geosciences	-	35,459
Direct	47.050	G00014378	Geosciences	_	206,426
Columbia University	47.050	1(GG013282-01)/PO SAPO G		-	81,409
Direct	47.050	G00014433	Geosciences	-	65,125
Direct	47.050	G00014447	Geosciences	-	67,660
Direct	47.050	G00014493	Geosciences	-	466,093
Direct	47.050	G00014553	Geosciences	-	92,958
Direct Direct	47.050 47.050	G00014586 G00014595	Geosciences Geosciences	-	85,165 91,216
University of Georgia	47.050	AWD-002863-G11	Geosciences	-	28,007
Direct	47.050	G00014736	Geosciences	_	55,946
Direct	47.050	G00014935	Geosciences	-	83,714
Direct	47.050	G00014946	Geosciences	-	19,337
Direct	47.050	G00015001	Geosciences	-	76,310
Direct	47.050	G00015033	Geosciences	-	155,708
Direct Direct	47.050 47.050	G00015048	Geosciences	-	89,252 485,174
Direct	47.050	G00015070 G00015084	Geosciences Geosciences	-	49,242
Direct	47.050	G00015004 G00015115	Geosciences	_	33,686
Cornell University	47.050	SA:140804-21466-MOD2	Geosciences	-	43,102
Princeton University	47.050	SUB0000611	Geosciences	-	4,374
Direct	47.050	G00015149	Geosciences	-	134,238
Columbia University	47.050	43D(GG009393-04)/SAPO G		-	62,316
Direct	47.050	G00015261	Geosciences	-	1,378,205
Direct Direct	47.050 47.050	G00015266 G00015267	Geosciences Geosciences	-	12,272 182,385
Direct	47.050	G00015207 G00015330	Geosciences		74,150
Direct	47.050	G00015391	Geosciences	_	122,865
Direct	47.050	G00015401	Geosciences	-	51,792
Direct	47.050	G00015452	Geosciences	-	45,029
Columbia University	47.050	43E(GG009393-04)/SAPO G1		=	76,361
University of California, San Diego	47.050	2023545 - 706026	Geosciences	-	56,302
University Of Hawaii Direct	47.050 47.050	OCE-1736906 - MA1892 G00015643	Geosciences Geosciences	-	42,862 54,379
Direct	47.050	G00015675	Geosciences	-	90,110
Direct	47.050	G00015677	Geosciences	-	30,253
Direct	47.050	G00015696	Geosciences	117,080	425,007
Direct	47.050	G00015716	Geosciences	-	1,275
Direct	47.050	G00015720	Geosciences	=	26,096
Direct	47.050	G00015802	Geosciences	56,774	697,867
Direct Direct	47.050 47.050	G00015862 G00015933	Geosciences Geosciences	-	34,595 33,485
Direct	47.050	G00015935 G00015945	Geosciences	- -	74,189
Direct	47.050	G00015945 G00015964	Geosciences	-	40,200
North Carolina State University	47.050	PAM-P23-001127-SA01	Geosciences	-	6,890
Direct	47.070	G00012388	Computer and Information Science and Engineering	-	45,057
Direct	47.070	G00014316	Computer and Information Science and Engineering	-	46,432
University of Maryland	47.070		Computer and Information Science and Engineering	-	221,915
Direct Direct	47.070 47.070	G00015103 G00015668	Computer and Information Science and Engineering Computer and Information Science and Engineering	-	19,431 157,701
Direct	47.070	G00015008 G00015875	Computer and Information Science and Engineering Computer and Information Science and Engineering	-	626,475
Direct	47.074	G00011285	Biological Sciences	42,000	1,037,974
Direct	47.074	G00011205 G00012225	Biological Sciences		3,195
Direct	47.074	G00012317	Biological Sciences	-	38,355
Direct	47.074	G00012978	Biological Sciences	-	3,044
Direct	47.074	G00012982	Biological Sciences	103,159	165,730
Direct	47.074	G00013534	Biological Sciences	-	26,746
Direct Direct	47.074 47.074	G00013847 G00013913	Biological Sciences Biological Sciences	-	22,280 22,473
Arizona State University	47.074	ASUB00000699	Biological Sciences	- -	2,994
Field Museum of Natural History	47.074	50131-1-FDP	Biological Sciences	=	10,696
University of Colorado, Boulder	47.074	1560969 / PO# 1001535133	Biological Sciences	-	31,723
Direct	47.074	G00014464	Biological Sciences	-	61,373
Direct	47.074	G00014644	Biological Sciences	-	143,364
Direct	47.074	G00015024	Biological Sciences	2 202	16,871
Direct University of Idaho	47.074 47.074	G00015032 AW5809-826665	Biological Sciences Biological Sciences	3,303	75,574 356
Oliversity of Idalio	77.077	1111 3007-020003	Stone Boroneco	-	330

		Grant Number or Pass- Through Identifying		Amounts Passed through to	Total Federal
Federal Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number		Program Title	Subrecipients (\$)	Expenditures (\$)
Direct	47.074	G00015539	Biological Sciences	114,200	864,878
Direct	47.074	G00015576	Biological Sciences	-	24,564
Direct Direct	47.074 47.075	G00015940	Biological Sciences	-	6,229
Direct	47.075	G00012773 G00013630	Social, Behavioral, and Economic Sciences Social, Behavioral, and Economic Sciences	-	24,485 32,095
Direct	47.075	G00013030 G00014180	Social, Behavioral, and Economic Sciences	-	124,835
George Mason University	47.075	E2055651	Social, Behavioral, and Economic Sciences	-	17,939
Direct	47.075	G00014426	Social, Behavioral, and Economic Sciences	-	13,044
Direct	47.076	G00011478	STEM Education (formerly Education and Human Resources		2,129
Direct	47.076	G00011558	STEM Education (formerly Education and Human Resources		12
Direct Direct	47.076 47.076	G00011679 G00012364	STEM Education (formerly Education and Human Resources STEM Education (formerly Education and Human Resources		321,542 251,142
Direct	47.076	G00012304 G00012407	STEM Education (formerly Education and Human Resources		19,409
Direct	47.076	G00012791	STEM Education (formerly Education and Human Resources	,	346,998
Direct	47.076	G00013114	STEM Education (formerly Education and Human Resources	-	27,441
Direct	47.076	G00013136	STEM Education (formerly Education and Human Resources	s) -	34,951
Direct	47.076	G00013683	STEM Education (formerly Education and Human Resources		900,889
Direct Direct	47.076 47.076	G00013902 G00013924	STEM Education (formerly Education and Human Resources STEM Education (formerly Education and Human Resources		25,572
Direct	47.076	G00013924 G00014112	STEM Education (formerly Education and Human Resources STEM Education (formerly Education and Human Resources		157,418 46,867
Direct	47.076	G00014112 G00014170	STEM Education (formerly Education and Human Resources		183,049
Direct	47.076	G00014194	STEM Education (formerly Education and Human Resources		49,573
Direct	47.076	G00014200	STEM Education (formerly Education and Human Resources	-	23,563
Direct	47.076	G00014204	STEM Education (formerly Education and Human Resources	,	26,971
Washington State University	47.076	140262-SPC003497	STEM Education (formerly Education and Human Resources		13,467
Auburn University	47.076	21-COSAM-200840-UAK- G00014989	ANSTEM Education (formerly Education and Human Resources		1 026 402
Direct Direct	47.076 47.076	G00014989 G00014990	STEM Education (formerly Education and Human Resources STEM Education (formerly Education and Human Resources		1,026,402 358,230
South Dakota State University	47.076	3TB188	STEM Education (formerly Education and Human Resources STEM Education (formerly Education and Human Resources	,	78,716
University of New Hampshire	47.076	P0082372	STEM Education (formerly Education and Human Resources	,	28,677
Direct	47.076	G00015690	STEM Education (formerly Education and Human Resources		342,639
Direct	47.078	G00010915	Polar Programs	-	10,686
Direct	47.078	G00011245	Polar Programs	23,141	35,854
Direct	47.078	G00012671	Polar Programs	-	977,427
Direct Direct	47.078 47.078	G00012896 G00013300	Polar Programs	-	167,845 50,124
Direct	47.078	G00013300 G00013302	Polar Programs Polar Programs	-	160,334
Direct	47.078	G00013302 G00013303	Polar Programs	_	57,772
Direct	47.078	G00013314	Polar Programs	4,264	616,346
Direct	47.078	G00013394	Polar Programs	59	641,575
Direct	47.078	G00013412	Polar Programs	-	7,655
Direct	47.078	G00013488	Polar Programs	-	550,349
Direct	47.078	G00013497	Polar Programs	-	282
Direct Direct	47.078 47.078	G00013555 G00013557	Polar Programs Polar Programs	-	316,487 152,489
Direct	47.078	G00013537 G00013579	Polar Programs	-	1,767,478
Direct	47.078	G00013579	Polar Programs	_	63,555
Direct	47.078	G00013603	Polar Programs	-	6,285
Direct	47.078	G00013629	Polar Programs	-	65,416
Direct	47.078	G00013981	Polar Programs	-	84,667
Direct	47.078	G00014076	Polar Programs	16.626	265,686
Direct Direct	47.078	G00014203	Polar Programs Polar Programs	16,636	169,262
Direct	47.078 47.078	G00014205 G00014207	Polar Programs Polar Programs	-	36,042 81,699
Direct	47.078	G00014244	Polar Programs	-	167,894
Direct	47.078	G00014296	Polar Programs	-	577,145
Direct	47.078	G00014302	Polar Programs	173,383	902,780
Direct	47.078	G00014312	Polar Programs	-	184,158
Direct	47.078	G00014348	Polar Programs	-	124,751
Direct	47.078	G00014425	Polar Programs	-	549,115
Direct Northern Arizona University	47.078 47.078	G00014427 1004919-01	Polar Programs Polar Programs	-	19,615 12,467
Alaska Native Tribal Health Consortium	47.078	22-U-378253 AMEND 1	Polar Programs	-	14,520
Direct	47.078	G00014601	Polar Programs	-	137,600
Direct	47.078	G00014656	Polar Programs	-	200,825
Direct	47.078	G00014679	Polar Programs	-	28,128
Direct	47.078	G00014689	Polar Programs	-	45,147
Direct	47.078	G00014762	Polar Programs	-	34,635
Direct	47.078	G00014794	Polar Programs	-	232,216
Direct Direct	47.078 47.078	G00014803 G00014806	Polar Programs Polar Programs	-	11,044 9,435
Direct	47.078	G00014876	Polar Programs	-	5,541
Direct	47.078	G00014878	Polar Programs	=	3,642,015
Direct	47.078	G00014898	Polar Programs	-	12,866
Direct	47.078	G00014938	Polar Programs	17,754	27,479
Direct	47.078	G00014980	Polar Programs	=	126,353
Direct	47.078	G00015010	Polar Programs	-	52,137
Direct Direct	47.078 47.078	G00015196 G00015205	Polar Programs	-	94,927
Direct	47.078 47.078	G00015205 G00015223	Polar Programs Polar Programs	-	26,134 18,185
Pennsylvania State University, The	47.078	S003461-NSF	Polar Programs	-	249
Direct	47.078	G00015322	Polar Programs	=	2,025
Direct	47.078	G00015409	Polar Programs	-	66,061
Direct	47.078	G00015421	Polar Programs	-	23,973
Direct	47.078	G00015472	Polar Programs	-	154,392
Pennsylvania State University	47.078	S003911-NSF	Polar Programs	-	1,054
Direct	47.078	G00015496	Polar Programs		7,933

		Grant Number or Pass-		Amounts Passed	Total Federal
vantay/Cluston Title/Direct Award on Pass Through Entity	ALN Numbe	Through Identifying	Program Title	through to Subrecipients (\$)	Expenditures (\$)
Pantor/Cluster Title/Direct Award or Pass Through Entity Direct	47.078	G00015498	Polar Programs	Subrecipients (5)	28,386
Direct	47.078	G00015498 G00015503	Polar Programs	-	19,143
Direct	47.078	G00015555	-	-	15,626
Direct	47.078	G00015587	Polar Programs Polar Programs	-	78,445
Direct	47.078	G00015599	Polar Programs	-	130,223
Direct	47.078	G00015599 G00015694	Polar Programs	-	47,054
Direct	47.078	G00015793	Polar Programs		134,586
Direct	47.078	G00015795 G00015800	Polar Programs		46,293
Direct	47.078	G00015807	Polar Programs		17,062
The University of Texas at Austin - Geol.	47.078		Polar Programs	-	4,526
University of Missouri	47.078	UTAUS-SUB00001153 C00080782-1	Polar Programs	-	7,371
•	47.078		-	-	9,707
Direct Direct	47.078	G00015903 G00013018	Polar Programs	1,163	404,815
			Office of International Science and Engineering	1,103	
Direct	47.079	G00016012	Office of International Science and Engineering	-	9,582
Direct	47.083	G00012260	Integrative Activities	222.406	2,576,388
Direct	47.083	G00012925	Integrative Activities	322,496	857,579
Direct	47.083	G00013156	Integrative Activities	-	8,104
Direct	47.083	G00013160	Integrative Activities	-	69,157
South Dakota School of Mines & Technology	47.083	SDSMT-UAA 21-07-AMD2 A	•	-	59,088
Boise State University	47.083	8220-PO139246	Integrative Activities	-	132,409
Direct	47.083	G00014591	Integrative Activities	-	607
Direct	47.083	G00014651	Integrative Activities	-	24,983
University of Montana	47.083	2119689-PG22-66463-02 YR	e	-	102,875
Direct	47.083	G00015269	Integrative Activities	±	86,542
Direct	47.083	G00015297	Integrative Activities	±	91,891
Direct	47.083	G00015323	Integrative Activities	-	46,959
University of Arizona	47.083	732019	Integrative Activities	-	41,880
Direct	47.083	G00015826	Integrative Activities	-	46,101
Direct	47.083	G00015854	Integrative Activities	-	91,560
Direct	47.083	G00015859	Integrative Activities	-	34,917
Direct	47.083	G00016084	Integrative Activities	-	22,785
Direct	47.084	G00015801	NSF Technology, Innovation, and Partnerships	-	2,051
National Science Foundation Total			337	1,762,557	58,558,655
Environmental Protection Agency					
University of Minnesota	66.000	A010348202	Innovations in sampling, (bio)analytical chemistry, and analytical	i -	15,879
Direct	66.202	G00015072	Congressionally Mandated Projects		986,944
Direct	66.461	G00013072 G00013248	Regional Wetland Program Development Grants		31,017
	66.461			-	31,017
Chugach Regional Resources Commission			A Regional Wetland Program Development Grants	-	26,721
Chugach Regional Resources Commission	66.461	SUBAWARD 396	Regional Wetland Program Development Grants	(2.172	
Direct	66.509	G00014991	Science To Achieve Results (STAR) Research Program	62,172	263,694
AK Dept. of Environmental Conservation	66.605	18240024	Performance Partnership Grants	-	71,427
Direct	66.608	G00013104	Environmental Information Exchange Network Grant Program		20,694
Environmental Protection Agency Total				62,172	1,416,692
Nuclear Regulatory Commission					
Lawrence Livermore Nat'l Laboratory	77.000	B662099	Real-Time Earthquake Monitoring and Reporting Supporting		36,857
Nuclear Regulatory Commission Total	77.000	B002077	Real-Time Earthquake Wontoring and Reporting Supporting		36,857
Thereto regiminary commission rotal					30,037
Department of Energy					
Idaho National Laboratory	81.000	197572	UAF participation in: "Resilient Alaskan Distribution system	r	11,559
Los Alamos National Laboratory	81.000		7 Interdisciplinary Research for Arctic Coastal Environments (I		295,189
•				-	
Idaho National Laboratory	81.000	CONTRACT NO. 226920 MC		-	9,192
Lawrence Berkeley National Lab	81.000	7552897 MOD 4	The importance of power: valuation of electricity	-	2,619
Argonne National Laboratory	81.000	NO. 0F-60237	DOE-ARM Lead Mentor Arctic Precipitation	-	98,701
Argonne National Laboratory	81.000	1F-60249	ARM Lead Mentor 2020	-	74,232
State University of New York	81.000	2-89114	Classification of Cloud Particle Imagery and Thermodynamic		29,334
Municipality of Anchorage	81.000	DE-EE0009219/PO# 2021001	(Pilot Heavy-Duty Electric Vehicle (EV) Demonstration for M		2,408
Los Alamos National Laboratory	81.000		6 Implement, Run, and Evaluate a Marine Biogeochemistry cap		102,523
Yale University	81.000	CON-80003265 (GR114320)	UAF participation in "Patterns and Value of Co-Adoption of S	- ·	11,558
	81.000	NO. B655882	Real-Time Earthquake Monitoring and Reporting Supporting	! -	51,301
Lawrence Livermore Nat'l Laboratory				-	136
	81.000	CONTRACT #281367	INL-NRIC Community Siting Tool		130
Lawrence Livermore Nat'l Laboratory		CONTRACT #281367 283143	INL-NRIC Community Siting Tool Marine Energy Net Zero Microgrid: Data Collection, Toolkit	I -	57,040
Lawrence Livermore Nat'l Laboratory Battelle	81.000	283143		I - -	
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory	81.000 81.000	283143	Marine Energy Net Zero Microgrid: Data Collection, Toolkit	I - - -	57,040
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory	81.000 81.000 81.000 81.000	283143 NO. 3F-60226 / OPDGI 21-02	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2: DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020	I - - -	57,040 125,398 147,429
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory	81.000 81.000 81.000 81.000 81.000	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2: DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support	- - -	57,040 125,398 147,429 1,500,000
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University	81.000 81.000 81.000 81.000 81.000 81.000	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING*	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys	- - -	57,040 125,398 147,429 1,500,000 69,139
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory	81.000 81.000 81.000 81.000 81.000 81.000 81.000	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 /	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I	- - -	57,040 125,398 147,429 1,500,000 69,139 265,686
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2: DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program	- - - 1 - r -	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2:DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I. Office of Science Financial Assistance Program Office of Science Financial Assistance Program	- - - - - - 9,988	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program Office of Science Financial Assistance Program Office of Science Financial Assistance Program	- - - - - - - 9,988 136,529	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program Office of Science Financial Assistance Program Office of Science Financial Assistance Program	- - - - - - 9,988	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G0001276 G00012276 G00012986 G00013317	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program	- - - - - - - 9,988 136,529	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Pacific Northwest National Laboratory PNNL	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I: Office of Science Financial Assistance Program	- - - - - - - 9,988 136,529	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Pacific Northwest National Laboratory PNNL University of Illinois at Champaign	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program	- - - - - - - 9,988 136,529	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Direct University of Illinois at Champaign Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012276 G00013317 CONTRACT NO: 522253 101305-18115 G00014311	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program	- - - - - - - 9,988 136,529	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Pacific Northwest National Laboratory PNNL University of Illinois at Champaign	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program	- - - - - - - 9,988 136,529	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Direct University of Illinois at Champaign Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012276 G00013317 CONTRACT NO: 522253 101305-18115 G00014311	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program	- - - - - - - 9,988 136,529	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Northwest National Laboratory PNNL University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056*	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I: Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development	9,988 136,529 623,039	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Pacific Northwest National Laboratory PNNL University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc.	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3/	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (It Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development	9,988 136,529 623,039	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 123,097 244,174 43,850
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Direct University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc. Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3 / G00015637	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development Renewable Energy Research and Development	9,988 136,529 623,039	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 123,097 244,174 43,850 235,548
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Pacific Northwest National Laboratory PNNL University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc. Direct University of North Dakota	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G0001276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3/ G00015637 G-050-96 / FY20-XCL-226	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (It Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development Renewable Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development	9,988 136,529 623,039 - - - 151,287 - 5,214	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 244,174 43,850 255,548 375,493
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Pacific Northwest National Laboratory PNNL University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc. Direct University of North Dakota Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.087 81.087 81.087	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3/ G00015637 G-050-96 / FY20-XCL-226 G00014414	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (It Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development Renewable Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development	9,988 136,529 623,039 - - - 151,287 - 5,214 - 300,780	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 123,097 244,174 43,850 235,548 375,493 873,983
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct Direct University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc. Direct University of North Dakota Direct University of North Dakota	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.087 81.087 81.087 81.087	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / C26546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3/ G00015637 G-050-96 / FY20-XCL-226 G00014414 G00015159	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (It Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development Renewable Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Nuclear Energy Research and Development Nuclear Energy Research, Development	9,988 136,529 623,039 - - - 151,287 - 5,214 - 300,780 68,229	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 244,174 43,850 235,548 375,493 873,983 173,034
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc. Direct University of North Dakota	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.087 81.087 81.087 81.087 81.087	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3/ G00015637 G-050-96 / FY20-XCL-226 G00014414 G00015159 G00012044	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development Renewable Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Nuclear Energy Research and Development	9,988 136,529 623,039 - - - 151,287 - 5,214 - 300,780	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 224,174 43,850 235,548 375,493 873,983 173,034 308,173
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct Direct University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc. Direct University of North Dakota Direct	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.087 81.087 81.087 81.087 81.087 81.087	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G0001276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3/ G00015637 G-050-96 / FY20-XCL-226 G00014414 G00015159 G00012044 G00013873	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (It Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development I Renewable Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Renewable Renewable Energy Research and Development Renewable Renewable Renewable Renewable Energy Research and Development Renewable Rene	9,988 136,529 623,039 - - - 151,287 - 5,214 - 300,780 68,229 156,955	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 244,174 43,850 235,548 375,493 873,983 173,034 308,173 14,391
Lawrence Livermore Nat'l Laboratory Battelle Idaho National Laboratory Argonne National Laboratory Argonne National Laboratory Battelle Oak Ridge National Laboratory Stanford University Los Alamos National Laboratory Battelle Oak Ridge National Laboratory Battelle Oak Ridge National Laboratory Direct Direct Direct Direct University of Illinois at Champaign Direct University of Washington Do Not Use *See U47056* Direct Kawerak Inc. Direct University of North Dakota	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.087 81.087 81.087 81.087 81.087	283143 NO. 3F-60226 / OPDGI 21-02 3F-60225 ORDER NO. 4000216819 TBD*PENDING* C3952 / 626546 / 4000116073 / PO4000194276 G00011748 G00012276 G00012986 G00013317 CONTRACT NO: 522253 101305-18115 G00014311 UWSC11792 / BPO # 47431 G00014407 KAWERAK CSA DATED 3/ G00015637 G-050-96 / FY20-XCL-226 G00014414 G00015159 G00012044	Marine Energy Net Zero Microgrid: Data Collection, Toolkit 2.DOE-ARM Lead Mentor Arctic Precipitation ARM Lead Mentor 2020 ASF Change Detection Support An Equitable, Affordable & Resilient Nationwide Energy Sys Interdisciplinary Research for Arctic Coastal Environments (I Office of Science Financial Assistance Program Renewable Energy Research and Development Renewable Energy Research and Development Renewable Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Fossil Energy Research and Development Nuclear Energy Research and Development	9,988 136,529 623,039 - - - 151,287 - 5,214 - 300,780 68,229	57,040 125,398 147,429 1,500,000 69,139 265,686 381,533 167,807 253,595 924,091 16,373 19,261 101,232 37,397 244,174 43,850 235,548 375,493 873,983 173,034 308,173

al Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federal Expenditures (\$)
Direct Department of Energy Total	81.135	G00015886	Advanced Research Projects Agency - Energy	75,882 1,887,886	105,186 8,511,267
Department of Education					0,011,101
Direct	84.411	G00013882	Education Innovation and Research (formerly Investing in Inno		2,689,478
Direct	84.411	G00015899	Education Innovation and Research (formerly Investing in Inno		484,012
Department of Education Total				-	3,173,490
Department of Health and Human Services					
University of Michigan Mount Sinai School of Medicine	93.000 93.000	SUBK00011394 MOD5 0258-C504-4609 AT F-VR4-C	Assessing the Role of Culture in Reducing Recidivism among CEIRR Data Management and Study Integration (DMSI)	-	2,209 24,650
Ketchikan Gateway Borough School Districtr	93.000	AWD DTD 05/30/23	Ketchikan Gateway Borough School District AWARE	-	31,492
Direct	93.000	G00015553	Vitamin D and Healthy Aging: Establishing the Sled Dog Sen	1 -	60,980
University of Virginia	93.000	GR102059.SUB00000768	Targeted Sphingolipid Metabolism for Treatment of AML	-	45,000
University of North Texas	93.000		(AI-based Investigation of Climate Change's Impact on Rural I	-	47,068
Westat, Inc	93.000	6922-07-AIAN-NHPI-S002	Alaska Community Engagement Alliance (AK CEAL)	-	119,355
University of Washington Division of Behavioral Health	93.000 93.000	ADN 1640598	5 Climate Change Impacts on Healthy Aging FY24 CMHI Evaluation (NOMS Data)	-	211 10,383
Direct	93.048	G00013558	Special Programs for the Aging, Title IV, and Title II, Discret	i -	118,622
Alaska Community Action on Toxics	93.113	2R01-09-UAF	Environmental Health	-	24,428
University of California	93.113	15202SC	Environmental Health	-	9,416
University of Washington Do Not Use *See U47056*	93.121	UWSC11173 / BPO 40314	Oral Diseases and Disorders Research	-	92,325
Southcentral Foundation	93.136	2023-278	Injury Prevention and Control Research and State and Commu	-	46,777
University of Oklahoma Alaska Native Tribal Health Consortium	93.172 93.226	2022-44 AMND 2 19-U-303196 AMD 5	Human Genome Research Research on Healthcare Costs, Quality and Outcomes	-	4,105 44,470
Direct	93.242	G00011624	Mental Health Research Grants	343,980	778,395
University of Michigan	93.242		Mental Health Research Grants	-	52,071
Direct	93.242	G00015881	Mental Health Research Grants	-	6,217
Direct	93.273	G00010333	Alcohol Research Programs	-	251,095
Montana State University	93.279	G222-22-W9024 AMD5	Drug Abuse and Addiction Research Programs	-	67,271
Mayo Clinic	93.279		Drug Abuse and Addiction Research Programs	=	17,665
University of California Los Angeles	93.307		/ Minority Health and Health Disparities Research	-	80,278
Oregon Health & Science University Direct	93.307 93.307	1017395_UAF G00014648	Minority Health and Health Disparities Research	-	31,556 79,948
Direct	93.310	G00014648 G00012782	Minority Health and Health Disparities Research Trans-NIH Research Support	120,846	246,902
Direct	93.310	G00012782 G00012783	Trans-NIH Research Support	120,040	434,656
Direct	93.310	G00012784	Trans-NIH Research Support	-	797,161
Portland State University (PSU)	93.310		V Trans-NIH Research Support	=	23,429
University of Kentucky	93.310		Trans-NIH Research Support	-	34,329
University of Washington	93.350	UWSC15238-PO-0100058465	5 National Center for Advancing Translational Sciences	-	4,209
Southcentral Foundation	93.361	2023-276	Nursing Research	-	74,630
Arizona State University	93.393	ASUB00001195	Cancer Cause and Prevention Research	-	141,799
Fred Hutchinson Cancer Research Center	93.393	1155985	Cancer Cause and Prevention Research	-	134,788
Direct Direct	93.395 93.493	G00014772 G00015208	Cancer Treatment Research Congressional Directives	-	61,285 468,957
Direct	93.493	G00015208 G00015380	Congressional Directives	-	200,444
Direct	93.632	G00012308	University Centers for Excellence in Developmental Disabiliti	-	1,298
Direct	93.632	G00012500 G00014632	University Centers for Excellence in Developmental Disabiliti		146,349
Direct	93.632	G00014778	University Centers for Excellence in Developmental Disabiliti		46,943
Direct	93.632	G00015578	University Centers for Excellence in Developmental Disabiliti	-	501,366
National Jewish Health	93.837	20112502 MOD 7	Cardiovascular Diseases Research	-	31,467
Direct	93.847	G00014961	Diabetes, Digestive, and Kidney Diseases Extramural Research		84,543
University of Kentucky	93.847	MOD3-PO7800006767	Diabetes, Digestive, and Kidney Diseases Extramural Research		197
Direct Direct	93.853 93.855	G00015155 G00010652	Extramural Research Programs in the Neurosciences and Neu Allergy and Infectious Diseases Research	-	93,482 475
Southcentral Foundation	93.855		Allergy and Infectious Diseases Research	-	34,021
Northwest Indian College	93.859	NWIC-SA24226-UAF	Biomedical Research and Research Training	-	56,124
University of Washington Do Not Use *See U47056*	93.859	UWSC10374 / BPO30153	Biomedical Research and Research Training	=	6,686
Direct	93.859	G00012744	Biomedical Research and Research Training	-	1,884,068
Direct	93.859	G00012834	Biomedical Research and Research Training	162,397	5,387,412
University of Nevada, Las Vegas	93.859	GR11262	Biomedical Research and Research Training	=	165
Montana State University	93.859	G261-21-W8660	Biomedical Research and Research Training	-	52,515
University of Nevada, Las Vegas Direct	93.859 93.859	SA#GR16013-MOD 1-ALF-N G00014921	N Biomedical Research and Research Training Biomedical Research and Research Training	-	2,660 307,128
Alaska Native Tribal Health Consortium	93.859		L Biomedical Research and Research Training	-	7,693
University of Wisconsin Oshkosh	93.859	SUBAWARD FSA.23.003	Biomedical Research and Research Training	-	11,290
Northwest Indian College	93.859	NWIC-24230SA-UAF	Biomedical Research and Research Training	-	33,861
Direct	93.859	G00015381	Biomedical Research and Research Training	50,692	339,825
Direct	93.859	G00015413	Biomedical Research and Research Training	=	140,709
Direct	93.859	G00015701	Biomedical Research and Research Training	2,382	114,680
University of Nevada, Las Vegas	93.859		B Biomedical Research and Research Training	-	111,932
Southcentral Foundation	93.859	2023-447	Biomedical Research and Research Training	-	3,646
University of Nevada, Las Vegas	93.859	GR18324	Biomedical Research and Research Training	=	55,513
Merrimack College Direct	93.865 93.866	2211102 AMD3-YR3 G00014647	Child Health and Human Development Extramural Research Aging Research	-	57,166 130,266
Department of Health and Human Services Total	22.000			680,297	14,312,056
Department of Homeland Security					
Direct	97.000	G00015813	USCG Sector Anchorage Unmanned Aircraft Systems and Sp	-	37,493
Direct Department of Homeland Security Total	97.061	G00015918	Centers for Homeland Security	-	438,129 475,622
					7/3,022
U.S. Agency for International Development	08 000	E0004969402100	Food the Future Innovation Lab for Food Cofete		111 000
Purdue University U.S. Agency for International Development Total	98.000	F0004868402100	Feed the Future Innovation Lab for Food Safety		111,098 111,098
c.s. Agency for International Development Total				<u>-</u>	111,090
esearch and Development Cluster				22,012,119	196,928,141

Economic D	ntor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federa Expenditures (\$
	evelopment Cluster				-	
	Description of Community					
	Department of Commerce Direct	11.307	G00012832	Economic Adjustment Assistance	_	5
	Direct	11.307	G00012832 G00014899	Economic Adjustment Assistance Economic Adjustment Assistance	-	405,131
	Southeast Conference	11.307	07-70-07900	Economic Adjustment Assistance	-	251,671
	Southeast Conference	11.307	07-70-07900	Economic Adjustment Assistance	-	384,443
	Southeast Conference	11.307	07-70-07900	Economic Adjustment Assistance		260,034
	Department of Commerce Total					1,301,284
otal Econor	mic Development Cluster				-	1,301,284
ish and Wil	ldlife Cluster					
	Department of Interior					24.0
	Alaska Dept. of Fish and Game	15.611 15.611	1123112 ADN# 1122002	Wildlife Restoration and Basic Hunter Education and Safety	-	919
	Alaska Dept. of Fish and Game Alaska Department of Fish and Game	15.611	ADN# 1123093 1124109	Wildlife Restoration and Basic Hunter Education and Safety Wildlife Restoration and Basic Hunter Education and Safety		3,075 61,627
	Alaska Department of Fish and Game Wildlife Conservation	15.611	ADN 1124115	Wildlife Restoration and Basic Hunter Education and Safety	-	80,000
	Alaska Department of Fish and Game	15.611	ADN# 1124091	Wildlife Restoration and Basic Hunter Education and Safety	_	37,671
	Alaska Dept. of Fish and Game	15.611	1124074	Wildlife Restoration and Basic Hunter Education and Safety	-	23,254
	Alaska Department of Fish and Game	15.611	ADN# 1124076 & 1124190	Wildlife Restoration and Basic Hunter Education and Safety	-	24,514
	Alaska Dept. of Fish and Game	15.611	ADN# 1124077	Wildlife Restoration and Basic Hunter Education and Safety	-	70,906
	Alaska Department of Fish and Game	15.611	1124113	Wildlife Restoration and Basic Hunter Education and Safety	-	28,737
	Alaska Department of Fish & Game	15.611	1124106	Wildlife Restoration and Basic Hunter Education and Safety	-	70,761
	Alaska Dept of Fish and Game Wildlife Conservation	15.611	ADN 1124114	Wildlife Restoration and Basic Hunter Education and Safety	-	9,481
	Alaska Department of Fish and Game	15.611	1124107	Wildlife Restoration and Basic Hunter Education and Safety	-	45,844
	Alaska Dept. of Fish and Game	15.611	1124133	Wildlife Restoration and Basic Hunter Education and Safety	-	20,869
	Alaska Dept of Fish & Game	15.611	ADN 1124134-1	Wildlife Restoration and Basic Hunter Education and Safety	-	8,000
	Department of Interior Total					485,658
otal Fish aı	nd Wildlife Cluster					485,658
ecial Educ	cation Cluster					
	Department of Education					
	AK Dept Education & Early Development	84.027	ADN 0524RSA348	Special Education Grants to States	_	104,234
	Department of Education Total	04.027	11511 03241631340	Special Education Grants to States		104,234
	Department of Luncumon Total					104,234
tal Special	Education Cluster					104,234
ipplement:	al Nutrition Assistance Program Cluster					
	Department of Agriculture					
	University Of Hawaii	10.561	MA1730	State Administrative Matching Grants for the Supplemental ?	- ·	11,424
	AK Dept Health & Social Services	10.561	164-271-24001	State Administrative Matching Grants for the Supplemental ?		513,877
	Department of Agriculture Total					525,301
otal Supple	emental Nutrition Assistance Program Cluster					525,301
RIO Cluste	er					
	Department of Education					
	Direct	84.042	G00013565	TRIO Student Support Services	-	275,694
	Direct	84.042	G00013627	TRIO Student Support Services	-	284,199
	Direct	84.042	G00013782	TRIO Student Support Services	-	245,474
	Direct	84.044	G00014496	TRIO Talent Search	-	268,265
	Direct	84.047	G00015008	TRIO Upward Bound	-	300,093
	Direct	84.047	G00015081	TRIO Upward Bound	-	314,192
	Direct	84.047	G00015271	TRIO Upward Bound	-	335,218
	Direct	84.047	G00015678	TRIO Upward Bound TRIO McNair Post-Baccalaureate Achievement	-	505,519
	Direct	84.217	G00015135	I RIO McNair Post-Baccalaureate Achievement		223,122
	Department of Education Total					2,751,776
	Department of Education Total					
otal TRIO					-	2,751,776
	Cluster				-	2,751,776
	Cluster	17.259	RSA 07-2024-5018	WIOA Youth Activities	-	2,751,776
	Cluster ter Department of Labor	17.259	RSA 07-2024-5018	WIOA Youth Activities	-	145,397
TOA Clust	Cluster ter Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total	17.259	RSA 07-2024-5018	WIOA Youth Activities	-	145,397 145,397
TOA Clust	Cluster ter Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total	17.259	RSA 07-2024-5018	WIOA Youth Activities	-	145,397 145,397
VIOA Clust	Cluster ter Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total Cluster Department of Agriculture				-	145,397 145,397
VIOA Clust	Cluster Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total Cluster Department of Agriculture AK Division of Agriculture	10.179	AKDIV AG VIA AM200100	D) Micro-Grants for Food Security Program	-	145,397 145,397 145,397
TOA Clust	Cluster ter Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total Cluster Department of Agriculture	10.179 10.179				145,397 145,397 145,397 3,635
TOA Clust	Cluster Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total Cluster Department of Agriculture AK Division of Agriculture AK Division of Agriculture	10.179 10.179 10.179 Total	AKDIV AG VIA AM200100 MGFS 2022-5805	D) Micro-Grants for Food Security Program Micro-Grants for Food Security Program		145,397 145,397 145,397 3,635 1,329
TOA Clust	Cluster Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total Cluster Department of Agriculture AK Division of Agriculture	10.179 10.179 10.179 Total 10.200	AKDIV AG VIA AM200100	D) Micro-Grants for Food Security Program	- - - - - - -	145,397 145,397 145,397 3,635 1,329 4,964 3,984
/IOA Clust	Cluster Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total Cluster Department of Agriculture AK Division of Agriculture AK Division of Agriculture University of Hawaii, HILO	10.179 10.179 10.179 Total 10.200 10.200 Total	AKDIV AG VIA AM200100 MGFS 2022-5805 MA1953 ***BBO***	D) Micro-Grants for Food Security Program Micro-Grants for Food Security Program Grants for Agricultural Research, Special Research Grants	-	145,397 145,397 145,397 3,635 1,329 4,964 3,984 3,984
otal TRIO VIOA Clust otal WIOA Other	Cluster Department of Labor AK Dept. of Labor and Workforce Dev. Department of Labor Total Cluster Department of Agriculture AK Division of Agriculture AK Division of Agriculture	10.179 10.179 10.179 Total 10.200	AKDIV AG VIA AM200100 MGFS 2022-5805	D) Micro-Grants for Food Security Program Micro-Grants for Food Security Program	- - - - - - - - - - - - - - - - - - -	145,397 145,397

Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federa Expenditures (\$
Direct	10.228	G00014319	Alaska Native Serving and Native Hawaiian Serving Institution		92,430
Direct	10.228	G00015312	Alaska Native Serving and Native Hawaiian Serving Institution		604,434
Direct	10.228	G00015363	Alaska Native Serving and Native Hawaiian Serving Institution		54,760
Direct	10.228 10.228 Total	G00015869	Alaska Native Serving and Native Hawaiian Serving Institution	238	229,238
Direct	10.228 Total 10.237	G00015547	From Learning to Leading: Cultivating the Next Generation of		1,276,736 1,228,803
Direct	10.237 Total	000013347	From Learning to Leading. Cultivating the Next Generation of	1,008,753	1,228,803
AFDF	10.250	IGEAM PROJECT	Agricultural and Rural Economic Research, Cooperative Agre		37,399
Southwest Alaska Vocational and Education Center	10.250		(Agricultural and Rural Economic Research, Cooperative Agre		48,693
	10.250 Total				86,092
Direct	10.329	G00014313	Crop Protection and Pest Management Competitive Grants Pr	-	212,067
	10.329 Total			-	212,067
Direct	10.443	G00015188	Outreach and Assistance for Socially Disadvantaged and Vete	107,731	252,660
	10.443 Total			107,731	252,660
Direct	10.514	G00014817	Expanded Food and Nutrition Education Program	-	236,440
Direct	10.514	G00015344	Expanded Food and Nutrition Education Program		141,225
	10.514 Total				377,665
Direct	10.515	G00013889	Renewable Resources Extension Act	-	2,781
Direct	10.515	G00014712	Renewable Resources Extension Act	-	87,732
Direct	10.515	G00015348	Renewable Resources Extension Act		32,169
D'	10.515 Total	G00012/01	N. D C. W. I. I		122,682
Direct	10.527	G00013691	New Beginning for Tribal Students		39,432
D'	10.527 Total	C00014500	P 10 3 P 1 40 4		39,432
Direct	10.771	G00014508	Rural Cooperative Development Grants	-	66
Direct Direct	10.771 10.771	G00015179 G00015803	Rural Cooperative Development Grants Rural Cooperative Development Grants	-	89,845 172,951
Direct	10.771 Total	G00013803	Rural Cooperative Development Grants		262,862
Direct	10.855	G00014015	Distance Learning and Telemedicine Loans and Grants		4,715
Direct	10.855 Total	G00014013	Distance Learning and Telemedicine Loans and Grants	<u>-</u>	4,715
Department of Agriculture Total	101000 101111			1,116,722	3,872,662
				1,110,722	3,072,002
Department of Commerce					
Center for Alaskan Coastal Studies	11.008	SUB-AWARD #1 KBNERR 2	2 NOAA Mission-Related Education Awards	_	2,973
	11.008 Total				2,973
Direct	11.303	G00014927	Economic Development Technical Assistance		135,111
	11.303 Total				135,111
Direct	11.473	G00015286	Office for Coastal Management	35,692	94,446
Direct	11.473	G00015435	Office for Coastal Management	79,636	101,652
	11.473 Total			115,328	196,098
Direct	11.611	G00012795	Manufacturing Extension Partnership	-	734,196
Direct	11.611	G00015545	Manufacturing Extension Partnership	-	150,278
Iowa State University	11.611	70NANB21H117024620L	Manufacturing Extension Partnership		244
	11.611 Total			-	884,718
Department of Commerce Total				115,328	1,218,900
Department of Defense					
Direct	12.002	G00015499	Procurement Technical Assistance For Business Firms	=	579,685
		G00016020	Procurement Technical Assistance For Business Firms		
Direct	12.002				
	12.002 Total	G00015004		-	154,276 733,961
Direct	12.002 Total 12.903	G00015096	GenCyber Grants Program	- - -	733,961 68,972
	12.002 Total 12.903 12.903	G00015096 G00015659			733,961 68,972 72,199
Direct Direct	12.002 Total 12.903		GenCyber Grants Program	- - -	733,961 68,972 72,199 141,171
Direct	12.002 Total 12.903 12.903		GenCyber Grants Program		733,961 68,972 72,199 141,171
Direct Direct Department of Defense Total	12.002 Total 12.903 12.903		GenCyber Grants Program	- - -	733,961 68,972 72,199 141,171
Direct Direct Department of Defense Total Department of Interior	12.002 Total 12.903 12.903 12.903 Total	G00015659	GenCyber Grants Program GenCyber Grants Program	- - - -	733,961 68,972 72,199 141,171 875,132
Direct Direct Department of Defense Total	12.002 Total 12.903 12.903 12.903 Total		GenCyber Grants Program	- - -	733,961 68,972 72,199 141,171 875,132
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total	G00015659 G00016043	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics	-	733,961 68,972 72,199 141,171 875,132 20,839 20,839
Direct Direct Department of Defense Total Department of Interior	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total 15.013	G00015659	GenCyber Grants Program GenCyber Grants Program	-	733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total	G00015659 G00016043	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics	-	733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,399
Direct Direct Department of Defense Total Department of Interior Direct Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total 15.013 Total	G00015659 G00016043 G00014614	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering	-	733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,399 87,479
Direct Direct Department of Defense Total Department of Interior Direct Direct	12.002 Total 12.903 12.903 Total 12.903 Total 15.000 Total 15.013 Total 15.065	G00015659 G00016043 G00014614	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering	-	733,961 68,972 72,199 141,171 875,132 20,835 20,835 39,395 39,395 87,475 87,475
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct	12.002 Total 12.903 12.903 Total 12.903 Total 15.000 Total 15.013 Total 15.015 Total 15.065 Total	G00015659 G00016043 G00014614 G00013194	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands	- - - - - - - - - -	733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,399 87,479 87,479 3,277
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct	12.002 Total 12.903 12.903 Total 12.903 Total 15.000 Total 15.013 Total 15.065 Total 15.224	G00015659 G00016043 G00014614 G00013194 G00007896	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management	- - - - - - - - - -	733,961 68,972 72,199 141,174 875,132 20,839 20,839 39,399 87,479 87,479 3,277 50,128
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.065 15.065 Total 15.224	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Cultural and Paleontological Resources Management	- - - - - - - - - -	733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,399 87,479 87,479 3,277 50,128
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.065 Total 15.224 15.224 15.224	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Cultural and Paleontological Resources Management Cultural and Paleontological Resources Management	- - - - - - - - - -	733,961 68,972 72,199 141,171 875,132 20,835 20,835 39,395 39,395 87,475 87,475 3,277 50,128 9,363 1,159,100
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 Total 15.000 Total 15.013 Total 15.065 Total 15.224 15.224 15.224 15.224	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261	GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Cultural and Paleontological Resources Management Cultural and Paleontological Resources Management	- - - - - - - - - - - - - - - - - - -	733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.065 Total 15.224 15.224 15.224 15.224 15.224	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 Total 15.000 Total 15.013 Total 15.013 Total 15.065 Total 15.224 15.224 15.224 15.224 Total 15.245 Total 15.636	G00015659 G00016043 G00014614 G00013194 G00007896 G00012332 G00014261 G00015636 G00015071 G00015012	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Alaska Subsistence Management	- - - - - - - - - - - - - - - - - - -	733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,866 69,326 69,326 103,769
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.065 Total 15.224 15.224 15.224 15.224 15.224 15.225 15.245 Total 15.636 15.636	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 69,326 103,769 7,928
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.065 15.065 Total 15.224 15.224 15.224 15.224 Total 15.245 15.245 Total 15.636 15.636 15.636 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015012 1124144	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 103,769 7,928 111,697
Direct Direct Department of Defense Total Department of Interior Direct	12.002 Total 12.903 12.903 Total 15.000 Total 15.013 Total 15.013 Total 15.065 Total 15.224 15.224 15.224 15.224 15.224 Total 15.245 Total 15.636 15.636 Total 15.636 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012332 G00014261 G00015636 G00015071 G00015012	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Alaska Subsistence Management		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 69,326 103,769 7,928 111,697 96,070
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.013 Total 15.024 15.224 15.224 15.224 15.224 15.245 Total 15.636 15.636 Total 15.636 Total 15.636 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015071 G00015072 1124144 G00011794	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Alaska Subsistence Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 103,769 7,928 111,697 96,070
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct	12.002 Total 12.903 12.903 Total 15.000 Total 15.003 Total 15.013 Total 15.065 Total 15.224 15.224 15.224 15.224 Total 15.245 Total 15.636 15.636 Total 15.657 Total 15.657 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015071 G00015072 1124144 G00011794	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 69,326 69,326 103,769 7,928 111,697 96,070 96,070
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct National Fish & Wildlife Foundation	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.065 15.065 Total 15.224 15.224 15.224 15.224 Total 15.636 15.636 15.636 Total 15.657 15.657 Total 15.663 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation - NFWF-USFWS Conservation Partnership		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 69,326 103,769 7,928 111,697 96,070 96,070
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.013 Total 15.024 15.224 15.224 15.224 15.224 15.224 15.245 Total 15.636 15.636 15.636 Total 15.657 15.657 Total 15.663 15.663 Total 15.663 15.663 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Alaska Subsistence Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 69,326 103,769 7,928 111,697 96,070 96,070 96,070 95,575 9,575
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Alaska Department of Fish & Game Direct National Fish & Wildlife Foundation Alaska SeaLife Center	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.013 Total 15.065 Total 15.224 15.224 15.224 15.224 Total 15.636 15.636 15.636 Total 15.636 15.636 Total 15.636 15.637 Total 15.663 Total 15.663 Total 15.663 Total 15.663 Total 15.663 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015071 G00015072 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation - NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 39,395 87,479 8,7479 3,277 50,128 9,363 1,159,100 1,221,866 69,326 103,769 7,928 111,697 96,070 96,070 95,575 9,575 2,006 2,006
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct National Fish & Wildlife Foundation	12.002 Total 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.065 15.065 Total 15.224 15.224 15.224 15.224 15.224 Total 15.636 15.636 Total 15.657 15.657 Total 15.663 Total 15.683 15.663 Total 15.683 15.683 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation - NFWF-USFWS Conservation Partnership		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 87,477 50,128 9,363 1,159,100 1,221,866 69,326 69,326 103,769 7,928 111,697 96,077 96,076 9,575 2,000 2,000 49,764
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Alaska Department of Fish & Game Direct National Fish & Wildlife Foundation Alaska SeaLife Center Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.013 Total 15.024 15.224 15.224 15.224 15.224 Total 15.636 15.636 15.636 Total 15.657 15.657 Total 15.683 15.683 Total 15.683 15.683 Total 15.922 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE	GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation -NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance Native American Graves Protection and Repatriation Act		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 69,326 103,769 7,928 111,697 96,070 96,670 9,575 2,006 2,006 49,764 49,764
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Alaska Department of Fish & Game Direct National Fish & Wildlife Foundation Alaska SeaLife Center	12.002 Total 12.903 12.903 12.903 Total 15.000 Total 15.013 Total 15.013 Total 15.05 Total 15.224 15.224 15.224 15.224 Total 15.636 15.636 Total 15.637 15.663 Total 15.663 15.663 Total 15.683 15.683 Total 15.683 15.683 Total 15.883 15.922 15.922 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015071 G00015072 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE	GenCyber Grants Program GenCyber Grants Program GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation - NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 1,221,868 69,326 69,326 69,326 103,769 7,928 111,697 96,070 96,070 96,070 95,575 2,006 2,006 49,764 49,764 170,302
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct National Fish & Wildlife Foundation Alaska SeaLife Center Direct Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.013 Total 15.024 15.224 15.224 15.224 15.224 Total 15.636 15.636 15.636 Total 15.657 15.657 Total 15.683 15.683 Total 15.683 15.683 Total 15.922 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE	GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation -NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance Native American Graves Protection and Repatriation Act		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 11,221,868 69,326 69,326 69,326 103,769 7,928 111,697 96,070 96,070 95,575 9,575 2,006 2,006 49,764 49,764 49,764 49,764
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Alaska Department of Fish & Game Direct National Fish & Wildlife Foundation Alaska SeaLife Center Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 Total 15.013 Total 15.013 Total 15.05 Total 15.224 15.224 15.224 15.224 Total 15.636 15.636 Total 15.637 15.663 Total 15.663 15.663 Total 15.683 15.683 Total 15.683 15.683 Total 15.883 15.922 15.922 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE	GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation -NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance Native American Graves Protection and Repatriation Act		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 11,221,868 69,326 69,326 69,326 103,769 7,928 111,697 96,070 96,070 95,575 9,575 2,006 2,006 49,764 49,764 49,764 49,764
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct National Fish & Wildlife Foundation Alaska SeaLife Center Direct Direct Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 Total 15.013 Total 15.013 Total 15.05 Total 15.224 15.224 15.224 15.224 Total 15.636 15.636 Total 15.637 15.663 Total 15.663 15.663 Total 15.683 15.683 Total 15.683 15.683 Total 15.883 15.922 15.922 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE	GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation -NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance Native American Graves Protection and Repatriation Act		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128 9,363 1,159,100 11,221,868 69,326 69,326 69,326 103,769 7,928 111,697 96,070 96,070 95,075 2,006 2,006 49,764 49,764 49,764 49,764
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Alaska Department of Fish & Game Direct National Fish & Wildlife Foundation Alaska SeaLife Center Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Department of Interior Total	12.002 Total 12.903 12.903 12.903 Total 15.000 15.000 Total 15.013 Total 15.013 Total 15.024 15.224 15.224 15.224 15.224 15.224 15.245 Total 15.636 15.636 15.636 Total 15.657 15.657 Total 15.663 15.663 Total 15.663 15.663 Total 15.683 15.683 Total 15.922 15.922 Total 15.929 15.929 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015636 G00015071 G00015072 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE G00015767 G00015146	GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation - NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance Native American Graves Protection and Repatriation Act Save America's Treasures		733,961 68,977 72,199 141,171 875,132 20,839 20,839 39,399 87,479 87,479 3,277 50,1128 9,366 1,159,100 1,221,866 69,320 69,320 103,766 7,928 111,699 96,070 96,070 97,070
Direct Direct Department of Defense Total Department of Interior Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct Direct National Fish & Wildlife Foundation Alaska SeaLife Center Direct Direct Direct	12.002 Total 12.903 12.903 12.903 Total 15.000 Total 15.013 Total 15.013 Total 15.05 Total 15.224 15.224 15.224 15.224 Total 15.636 15.636 Total 15.637 15.663 Total 15.663 15.663 Total 15.683 15.683 Total 15.683 15.683 Total 15.883 15.922 15.922 Total	G00015659 G00016043 G00014614 G00013194 G00007896 G00012232 G00014261 G00015071 G00015012 1124144 G00011794 74008-0801.22, F21AC00276 SUBAWARD R0127-01 NCE	GenCyber Grants Program Galena Alaska Microgrid Riverine Hydrokinetics Alaska Native Science and Engineering Safety of Dams on Indian Lands Cultural and Paleontological Resources Management Plant Conservation and Restoration Management Alaska Subsistence Management Alaska Subsistence Management Endangered Species Recovery Implementation -NFWF-USFWS Conservation Partnership E Prescott Marine Mammal Rescue Assistance Native American Graves Protection and Repatriation Act		733,961 68,972 72,199 141,171 875,132 20,839 20,839 39,395 87,479 87,479 3,277 50,128

Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federal Expenditures (\$)
Rural Alaska Community Action Program	16.608	CP1909	Tribal Justice Systems	-	19,493
	16.608 Total			-	19,493
Direct	16.710	G00015321	Public Safety Partnership and Community Policing Grants	-	105,426
	16.710 Total				105,426
Direct	16.753 16.753 Total	G00015515	Congressionally Recommended Awards		213,198 213,198
Department of Justice Total	10./33 10tat				376,561
					370,301
Department of Labor					
Direct	17.289	G00016038	Community Project Funding/Congressionally Directed Spend	-	2,519
	17.289 Total				2,519
Direct	17.600	G00015521	Mine Health and Safety Grants		147,319
Department of Labor Total	17.600 Total				147,319 149,838
Department of 2000 Total					147,030
Department of State					
University of Utah	19.027	SUB 10058503-01 PO U0002	8 Energy Governance and Reform Programs		73,952
	19.027 Total			-	73,952
Direct	19.900	G00013762	AEECA/ESF PD Programs	521,478	662,149
Dan autonomá of Stata Total	19.000 Total			521,478	662,149
Department of State Total				521,478	736,101
Department of Transportation					
Department of Transportation Direct	20.215	G00015257	Highway Training and Education	_	153,900
Direct	20.215 Total	G00013237	riighway rraining and Education		153,900
Department of Transportation Total				-	153,900
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Department of Treasury					
Direct	21.031	G00015841	State Small Business Credit Initiative Technical Assistance G	1 -	76,244
	21.031 Total			-	76,244
Department of Treasury Total				-	76,244
Notice I Field and Confer II and Con					
National Endowment for the Humanities	45 140	G00012712	Promotion of the Humanities Division of Preservation and Ac		27.725
Direct	45.149 45.149 Total	G00012/12	Promotion of the Humanities Division of Preservation and Ac	-	27,735 27,735
National Endowment for the Humanities Total	43.147 Total				27,735
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Small Business Administration					
Direct	59.037	G00014499	Small Business Development Centers	=	1,392
Direct	59.037	G00015233	Small Business Development Centers	-	708,342
Direct	59.037	G00015868	Small Business Development Centers		398,574
	59.037 Total				1,108,308
Direct	59.058	G00015192	Federal and State Technology Partnership Program		92,296
D'	59.58 Total	G00015502	6 : 16 :		92,296
Direct	59.059 59.059 Total	G00015593	Congressional Grants	-	602,208 602,208
Small Business Administration Total	37.037 Total				1,802,812
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Department of Energy					
Washington State University	81.117	14449 SPC006557 / WSU001	2 Energy Efficiency and Renewable Energy Information Dissen		4,503
Description of Fermi Text	81.117 Total				4,503
Department of Energy Total					4,503
Department of Education					
Sealaska Heritage Institute	84.000	540-20-2125	Language Pathways	_	31,833
Sealaska Heritage Institute	84.000	840-21-2480	Box of Treasures: Deepening the Connections	-	409,719
Sealaska Heritage Institute	84.000	S356A220062	IEA Indigenizing Education for Alaska	-	107,767
	84.000 Total			-	549,319
Alaska Department of Labor and Workforce Development	84.002	ADN 07-2023-5057 MOD 1	Adult Education - Basic Grants to States	-	292
AK Dept. of Labor and Workforce Dev.	84.002	V002A210002	Adult Education - Basic Grants to States	-	3,095
Alaska Department of Labor and Workforce Development	84.002	RSA 07-2024-05028 MOD 1	Adult Education - Basic Grants to States Adult Education - Basic Grants to States	-	292,554
Alaska Department of Labor and Workforce Development Alaska Department of Labor and Workforce Development	84.002 84.002	RSA 07-2024-5062 MOD 1 RSA 07-2024-5061 MOD 1	Adult Education - Basic Grants to States Adult Education - Basic Grants to States	-	135,903 150,493
Alaska Department of Labor and Workforce Development	84.002 Total	K5A 07-2024-3001 MOD 1	Adult Education - Basic Grants to States		582,337
Direct	84.031	G00012419	Higher Education Institutional Aid		279,716
Direct	84.031	G00013075	Higher Education Institutional Aid	-	152,889
Direct	84.031	G00013626	Higher Education Institutional Aid	-	313,736
Direct	84.031	G00013714	Higher Education Institutional Aid	=	187,943
Direct	84.031	G00013715	Higher Education Institutional Aid	-	400,850
Direct	84.031	G00014424	Higher Education Institutional Aid	-	596,139
Direct	84.031	G00014490	Higher Education Institutional Aid	=	108,139
Direct Direct	84.031 84.031	G00014530 G00015281	Higher Education Institutional Aid Higher Education Institutional Aid	-	352,136
Direct	84.031	G00015792	Higher Education Institutional Aid Higher Education Institutional Aid	-	684,363 155,512
	84.031 Total		G		3,231,423
AK Dept Education & Early Development	84.048	ADN 0524RSA152	Career and Technical Education Basic Grants to States	=	50,000
AK Dept Education & Early Development	84.048		6. Career and Technical Education Basic Grants to States	-	24,131
	84.048 Total				74,131
Direct	84.116	G00015035	Fund for the Improvement of Postsecondary Education	-	185,921
	84.116 Total			-	185,921
Direct	84.184	G00015458	School Safely National Activities		261,520
	84.184 Total			-	261,520
		G00014450	0 11E1 2 B 1E 1		
Direct	84.325	G00014458	Special Education - Personnel Development to Improve Servi		252,088
		G00014458 G00016091	Special Education - Personnel Development to Improve Servi Special Education - Personnel Development to Improve Servi		252,088 7,180 259,268

Federal Grantor/Cluster Title/Direct Award or Pass Through Entity	ALN Number	Grant Number or Pass- Through Identifying Number	Program Title	Amounts Passed through to Subrecipients (\$)	Total Federal Expenditures (\$)
	84.356 Total				16,929
Direct	84.365	G00014505	English Language Acquisition State Grants		399,792
	84.356 Total				399,792
University of Hawaii, HILO	84.415	MA1990	Indian Education National Activities (State Tribal Education		7,355
Department of Education Total	84.415 Total				7,355 5,567,995
National Archives and Records Administration					
Alaska Community Foundation	89.000	SUBAWARD ED-104674-23	Alaska Leaders Archive	-	368,579
No. 14 II. ID. 14 II. I To II.	89.000 Total				368,579
National Archives and Records Administration Total					368,579
Denali Commission					
Direct	90.100	G00014547	Denali Commission Program	-	43,839
Direct	90.100	G00015304	Denali Commission Program	-	147,369
Direct	90.100	G00015456	Denali Commission Program	-	58,523
Direct Direct	90.100 90.100	G00015491 G00015494	Denali Commission Program Denali Commission Program	-	56,318 144,033
Direct	90.100	G00015557	Denali Commission Program	_	125,007
Bleet	90.100 Total	G00013337	Denan Commission Frogram		575,089
Denali Commission Total	701100 10mi				575,089
Department of Health and Human Services					
Direct	93.011	G00015319	National Organizations for State and Local Officials	-	213,237
	93.011 Total		Ç	-	213,237
Direct	93.073	G00012411	Birth Defects and Developmental Disabilities - Prevention an	d 24,058	128,968
Direct	93.073	G00015107	Birth Defects and Developmental Disabilities - Prevention an	d 57,874	293,461
	93.073 Total			81,932	422,429
Direct	93.107	G00007653	Area Health Education Centers	496,351	779,261
	93.107 Total			496,351	779,261
Direct	93.110	G00006655	Maternal and Child Health Federal Consolidated Programs	-	531,903
	93.110 Total				531,903
Oklahoma State University	93.137	A22-0001-S003	Community Programs to Improve Minority Health Grant Pro		111,092
Oklahoma State University	93.137	A24-0017-S007	Community Programs to Improve Minority Health Grant Pro		14,486
This is	93.137 Total	000014250	To the Control of the		125,578
Direct	93.234	G00014358	Traumatic Brain Injury State Demonstration Grant Program	-	201,614
Direct	93.234	G00015158	Traumatic Brain Injury State Demonstration Grant Program		10,240 211,854
Native Village of Hooper Bay	93.234 Total 93.243	NVHPB-001 / **BBO**	Substance Abuse and Mental Health Services Projects of Reg	-	8,586
Division of Public Health	93.243	ADN 1630330	Substance Abuse and Mental Health Services Projects of Reg		264
Division of Behavioral Health	93.243	ADN 1640423	Substance Abuse and Mental Health Services Projects of Reg		25,284
	93.243 Total			·	34,134
Colorado State University	93.351	G-45797-01	Research Infrastructure Programs	-	1,571
	93.351 Total				1,571
Assoc Village Council Presidents	93.558	2021-01-TAN-02	Temporary Assistance for Needy Families	-	205,457
Assoc Village Council Presidents	93.558	SUBAWARD DTD 12/14/22	§ Temporary Assistance for Needy Families		96,121
	93.558 Total				301,578
Direct	93.732	G00014129	Mental and Behavioral Health Education and Training Grants		382,474
Direct	93.732	G00014576	Mental and Behavioral Health Education and Training Grants		433,841
Division to the telephone of telep	93.732 Total	1 Day 1 6 2 0 5 0 2	o : :tomp		816,315
Division of Behavioral Health	93.788 93.788	ADN 16-3-0582	Opioid STR	-	29,013
Division of Behavioral Health Division of Behavioral Health	93.788	ADN 1640273 ADN 1640433-1	Opioid STR Opioid STR	-	104,790 16,698
Division of Behavioral freatur	93.788 Total	ADN 1040433-1	Орюк 31К		150,501
Division of Public Health	93.870	ADN 1640427	Maternal, Infant and Early Childhood Homevisiting Grant Pro		37,250
Division of Labour Headin	93.870 Total	1101010127	mand and Early commend from visiting crain 110		37,250
University of Washington	93.879	UWSC12790-AMD3YR3-BP	(Medical Library Assistance	-	24,416
, ,	93.879 Total		•	-	24,416
Division of Behavioral Health	93.958	ADN 1640216-1	Block Grants for Community Mental Health Services		83,431
	93.958 Total				83,431
Division of Behavioral Health	93.959	ADN 16-3-0481	Block Grants for Prevention and Treatment of Substance Abu		11,665
Division of Behavioral Health	93.959	ADN 1640513	Block Grants for Prevention and Treatment of Substance Abu	1:	40,505
	93.959 Total				52,170
Division of Public Health	93.991 93.991 Total	ADN 1640347-1	Preventive Health and Health Services Block Grant	-	45,993 45,993
Department of Health and Human Services Total	75.771 Total			578,283	3,831,621
Social Security Administration					
Social Security Administration					
State of Alaska	97.000 97.000 Total	590503	FEMA for 2018 Earthquake UAF MEF Earthquake Repairs		3,027 3,027
Direct	96.008	G00014215	Social Security - Work Incentives Planning and Assistance Pr		106,534
	96.008 Total				106,534
Social Security Administration Total				-	109,561
Department of Homeland Security					
Direct	97.062	G00015625	Scientific Leadership Awards		230,619
	97.062 Total				230,619
Department of Homeland Security Total				-	230,619
otal Other				2 221 011	21 057 172
otal Other				2,331,811	21,856,173
otal Expenditures of Federal Awards				24,343,930	270,168,304

University of Alaska Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2024

(1) General

The accompanying Schedule of Expenditures of Federal Awards presents the activity of all federal financial assistance programs of the University of Alaska. The University of Alaska is a constitutionally created corporation and a component unit of the State of Alaska. Federal financial assistance received directly from federal agencies as well as federal financial assistance passed through other government agencies is included on the schedule.

(2) Basis of Accounting

The accompanying Schedule of Expenditures of Federal Awards is presented using the economic resources measurement focus and accrual basis of accounting, which is described in note 1 to the University of Alaska's financial statements.

(3) Basis of Presentation

The information in this schedule is presented in accordance with the requirements of Uniform Guidance 2 CFR 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards. The University has elected not to use the 10-percent de minimis indirect cost rate allowed under the Uniform Guidance. Therefore, amounts presented in this schedule may differ from amounts presented in, or used in the preparation of, the University financial statements. Federal program titles are reported as presented in the Assistance Listing Numbers (ALN) whenever possible. Pass-through entity identifying and grant numbers are presented where available. 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 for all awards with the exception of Assistance Listing 21.019, which follows criteria determined by the Department of Treasury for allowability of costs. Under these principles, certain types of expenditures are not allowable or are limited as to reimbursement.

(4) Federal Direct Student Loans (ALN # 84.268)

The University is responsible for the performance of certain administrative duties with respect to the Federal Direct Student Loan Program. Amounts relating to this program are not included in the University's basic financial statements. Loans distributed to students of the University under this program during the year ended June 30, 2023 are summarized as follows:

Direct Subsidized Loan	\$ 8,491,571
Direct Unsubsidized Loan	16,552,388
Direct PLUS Loan	 2,264,520
	\$ 27,308,479

Amounts Disbursed

(5) Facilities and Administrative Costs

The University recovers facilities and administrative costs associated with sponsored agreements pursuant to separate agreements negotiated with the Office of Naval Research. The negotiated rates are computed in accordance with 2 CFR 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*.

Section I – Summary of Auditors' Results Financial Statements 1. Type of auditors' report issued: Unmodified 2. Internal control over financial reporting: Material weakness(es) identified? _____ yes ____x no Significant deficiency(ies) identified? ___<u>x</u>__yes _____ none reported 3. Noncompliance material to financial statements noted? _____ yes ____ x ___ no Federal Awards 1. Internal control over major federal programs: Material weakness(es) identified? _____yes ____x no Significant deficiency(ies) identified? __<u>x__</u>_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)? <u>x</u>____ yes Identification of Major Federal Programs AL Number(s) Name of Federal Program or Cluster Various Research and Development Cluster 84.031 Higher Education Institutional Aid Dollar threshold used to distinguish between Type A and Type B programs: \$3,000,000 Auditee qualified as low-risk auditee? <u>x</u> no ____yes

Section II – Financial Statement Findings

2024 - 001

Type of Finding: Significant Deficiency in Internal Control over Financial Reporting

Condition: The University of Alaska (the University) has not complied with University policies and internal controls over procurement card transactions.

Criteria or specific requirement: The University operates a procurement card program which allows individuals throughout the University to make smaller purchases (defined as less than \$2,500 for individual transactions and a \$10,000 monthly limit or more depending on authorization) on a credit card which is directly paid by the University on a monthly basis. The University's policies require employees assigned a procurement card to complete training on policies and procedures, pass a test, and sign an agreement stipulating they will use the card in accordance with University policy. This agreement is also required to be authorized by the individual's supervisor or the department head. The University's policies require transactions incurred on the procurement card to be assigned an approving official.

Context: The University has approximately 1,141 active procurement cards, and the procurement card expenditures paid for the year ended June 30, 2024 totaled \$37,806,397. During our test work, 45 procurement card transactions totaling \$16,836.13, we noted the following:

Three (7%) transactions (totaling \$3,128.88) out of forty-five sampled where statements were not reviewed by the approving official. The procurement transaction statements were signed after the transaction was selected for testing as part of our audit.

In a separate sample, we tested the University's new process which went into effect on January 1, 2024. In this testing, we observed only one of forty-five transactions had untimely review that resulted in a test exception.

Effect: The lack of controls in place to ensure policies and procedures are followed increases the risk of misstatements, fraud, or errors occurring and not being detected and corrected.

Cause: The University does not have a process in place to ensure P-Card statements are reviewed and approved by the approving official.

Recommendation: The University policy states that the approving official must review and approve each transaction on the statement against the Log and with the original, detailed, itemized receipt within forty-five business days of month end. The University's system of internal controls should include procedures to ensure procurement card transactions are in accordance with University policies and procedures.

Views of responsible officials and planned corrective action: Management agrees with the finding and has developed a plan to correct the finding.

Section II – Financial Statement Findings (Continued)

2024 - 002

Type of Finding: Significant Deficiency in Internal Control over Financial Reporting

Condition: The University of Alaska (the University) has not complied with University policies and internal controls over blanket purchase order transactions.

Criteria or specific requirement: The University's policies require procurement officers to sign and review blanket purchase order requests for purchase orders with optional purchase amounts up to an approved threshold that are sent to the Procurement Office.

Context: During our test work, forty-five general disbursement transactions totaling \$28,688,729, we noted the following:

• One (2%) transaction (totaling \$4,850.21) out of forty sampled where the sampled blanket purchase order was not signed by the procurement officer responsible for authorization.

Effect: The lack of controls in place to ensure policies and procedures are followed increases the risk of misstatements, fraud, or errors occurring and not being detected and corrected.

Cause: The Procurement Officer responsible for signing and authorizing blanket purchase orders was unaware that they were required to sign the blanket purchase orders to document authorization.

Recommendation: The University policy states that the procurement officer must review and sign each proper blanket purchase order. The University's system of internal controls should include procedures to ensure procurement officers are aware of University policies and procedures regarding authorization of blanket purchase orders.

Views of responsible officials and planned corrective action: Management agrees with the finding and has developed a plan to correct the finding.

Section II – Financial Statement Findings (Continued)

2024 - 003

Type of Finding: Significant Deficiency in Internal Control over Financial Reporting

Condition: The University of Alaska (the University) has not complied with University policies and internal controls over scholarship awards.

Criteria or specific requirement: The University's policies require segregation of duties between employees who determine scholarship awards and employees who can make changes to students' account balances.

Context: During our test work of forty-five tuition and fee charges totaling we observed the following:

• One (2%) transaction (totaling \$2,695.00) where adequate documentation of authorization and evidence a student met criteria necessary for the scholarship award could not be provided.

Effect: Unauthorized awards may be given to students. Additionally, ineligible students may receive scholarship awards.

Cause: The scholarship only included general eligibility provisions, such as the student must be enrolled, which is why the University did not maintain records documenting review of eligibility requirements and authorization of scholarship awards. The department that was awarded the grant also had the ability to post changes to students accounts therefore scholarships were awarded at their discretion without additional review.

Recommendation: The University should follow its existing policies and procedures regarding maintaining documentation of the review of eligibility requirements and authorization of scholarship awards.

Views of responsible officials and planned corrective action: Management agrees with the finding and has developed a plan to correct the finding.

Section III – Findings and Questioned Costs – Major Federal Programs

2024 - 004

Federal Agency: U.S. Department of Health and Human Services

Federal Program Title: Research and Development Cluster

Assistance Listing Number: 93.859

Federal Award Identification Number: 5P20GM103395-23

Award Period: July 1, 2023 to June 30, 2024

Type of Finding:

Compliance, Other Matter

• Significant Deficiency in Internal Control over Compliance

Criteria or specific requirement: Per 2 CFR 200.313(d)(2), a physical inventory of the property must be taken and the results reconciled with the property records at least once every two years. Per Uniform Guidance 2 CFR 200.303, nonfederal entities receiving federal awards are required to establish and maintain internal controls designed to reasonably ensure compliance with federal laws, regulations, and program compliance requirements.

Condition: One of the forty sampled equipment had a lapse of greater than two years between physical inventories.

Context: During the testing of Equipment for Real Property Management, one item of equipment was found to have an interval between physical inventories that was greater than two years. Inventory for this equipment was taken 5/7/21, then again 6/4/24.

Questioned costs: None

Cause: University of Alaska Anchorage (UAA) had a loss of information regarding compliance requirements through employee turnover at the responsible department level.

Effect: The equipment was not inventoried within the two-year timeframe

Repeat finding: No

Recommendation: UAA should ensure proper policies and procedures are in place to monitor capital asset inventory observations.

Section III – Findings and Questioned Costs – Major Federal Programs (Continued)

2024 - 005

Federal Agency: National Science Foundation

Federal Program Title: Research and Development Cluster

Assistance Listing Number: 47.076

Federal Award Identification Number: 1839290 Award Period: July 1, 2023 to June 30, 2024

Type of Finding:

Significant Deficiency in Internal Control over Compliance

Criteria or specific requirement: Per Uniform Guidance 2 CFR 200.303, nonfederal entities receiving federal awards are required to establish and maintain internal controls designed to reasonably ensure compliance with federal laws, regulations, and program compliance requirements.

Condition: One of forty sampled transactions were coded incorrectly to the wrong grant.

Context: During testing of Period of Performance, one transactions was observed that appeared to have been liquidated beyond 120 days after the end of the period of performance. Upon further inspection, we concluded that the transaction was coded to the incorrect grant. The correct grant was still within the 120 day liquidation period after the end of the period of performance.

Questioned costs: None

Cause: University of Alaska Fairbanks did not perform timely close out procedures on the grant which resulted in incorrectly coded expenditures to go undetected.

Effect: One transaction was incorrectly coded to the wrong grant.

Repeat finding: No

Recommendation: University of Alaska Fairbanks should adhere to their existing requirements for timely grant close out procedures.

Section III – Findings and Questioned Costs – Major Federal Programs (Continued)

2024 - 006

Federal Agency: National Aeronautics and Space Administration, U.S. Department of Health and

Human Services

Federal Program Title: Research and Development Cluster

Assistance Listing Number: 43.001, 93.859

Federal Award Identification Number: 80NSSC22K0579, P20GM103395

Award Period: July 1, 2023 to June 30, 2024

Type of Finding:

• Compliance, Other Matter

• Significant Deficiency in Internal Control over Compliance

Criteria or specific requirement: Per Uniform Guidance 2 CFR 200.303, nonfederal entities receiving federal awards are required to establish and maintain internal controls designed to reasonably ensure compliance with federal laws, regulations, and program compliance requirements. Per 2 CFR 180.300 nonfederal entities entering into a covered transaction are required to verify the entity whom they intend to do business with are not excluded or disqualified.

Condition: Two of the sampled forty covered transactions did not have checks for suspension or debarment with the external parties prior to entering the contract.

Context: During the testing of Suspension and Debarment, two grants from the University of Alaska Fairbanks Campus (UAF) had covered transactions, one a subrecipient and another a procurement transaction, that did not have evidence EPLS checks performed prior to entering into the covered transaction.

Questioned costs: None

Cause: The University of Alaska Fairbanks did not perform timely review of suspension and debarment listings prior to entering into a covered transaction.

Effect: Potentially suspended or debarred vendor may have been contracted by the University for a covered transaction.

Repeat finding: No

Recommendation: UAF should perform suspension and debarment checks on all covered transactions paid with federal funds.

Section III – Findings and Questioned Costs – Major Federal Programs (Continued)

2024 - 007

Federal Agency: U.S. Department of Energy, U.S. Department of Defense, National Aeronautics and Space Administration, and Department of Commerce

Federal Program Title: Research and Development Cluster Assistance Listing Number: 81.049, 12.000, 43.001, 11.417

Federal Award Identification Number: N/A Award Period: July 1, 2023 to June 30, 2024

Type of Finding:

• Compliance, Other Matter

• Significant Deficiency in Internal Control over Compliance

Criteria or specific requirement: The Federal Government requires that when the reimbursement method is used, the Federal awarding agency or pass-through entity must make payment within 30 calendar days after receipt of the billing, unless the Federal awarding agency or pass-through entity reasonably believes the request to be improper (2 CFR section 200.305(b)(3)). Per 2 CFR 180.300 nonfederal entities entering into a covered transaction are required to verify the entity whom they intend to do business with are not excluded or disqualified.

Condition: Fifteen of the sampled forty subrecipient draws, on reimbursement basis, were paid to the subrecipients beyond 30 days of when the University received the payment request.

Context: During testing of subrecipient cash management, five grants from University of Alaska Fairbanks (UAF) had fifteen observed instances of individual payments requests from the subrecipient were received by UAF and not disbursed to the subrecipient within the allowable thirty days.

Questioned costs: None

Cause: The University of Alaska Fairbanks did not process payment requests from the subrecipients timely.

Effect: Subrecipients on federal awards do not receive timely payment for federal contract work.

Repeat finding: No

Recommendation: UAF should work to develop policies and procedures to allow for more timely payment to subrecipients for work the University contracts them to perform.

Section III – Findings and Questioned Costs – Major Federal Programs (Continued)

2024 - 008

Federal Agency: U.S. Department of Education

Federal Program Title: Higher Education Institutional Aid

Assistance Listing Number: 84.031

Federal Award Identification Number: P031R210002-23

Award Period: July 1, 2023 to June 30, 2024

Type of Finding:

Compliance, Other Matter
Significant Deficiency in Internal Control over Compliance

Criteria or specific requirement: Per 2 CFR 200.308(f)(3) the Federal Government required a recipient of federal awards must receive prior written approval from the Federal agency for the disengagement of key personnel from a project for more than three months, or a 25% reduction in time and effort devoted to the Federal award. Per Uniform Guidance 2 CFR 200.303, nonfederal entities receiving federal awards are required to establish and maintain internal controls designed to reasonably ensure compliance with federal laws, regulations, and program compliance requirements.

Condition: One sample of five grants with Level of Effort provisions in the grant award notification did not meet the level of effort for key personnel required by the Federal agency.

Context: During testing of Special Tests and Provisions one grant of a sample of five from the University of Alaska Fairbanks was observed to not have met level of effort requirements as stipulated in the award documents. The campus had inadvertently submitted an incorrect budget with different key personnel to the agency and did not correct this with the Federal agency upon receipt of the award documents stipulating the incorrect key personnel.

Questioned costs: None

Cause: An incorrect budget was submitted with the grant proposal to the Federal agency.

Effect: Key personnel listed in the award documents did not have time and effort tracked towards the grant project.

Repeat finding: No

Recommendation: UAF should continue to review budgets and key personnel submitted with grant proposals to Federal agencies.

UNIVERSITY OF ALASKA SUMMARY SCHEDULE OF PRIOR YEAR FINDINGS FOR THE YEAR ENDED JUNE 30, 2024

Section IV – Prior Year Findings

FINDINGS—FINANCIAL STATEMENT AUDIT

2023 - 001 Review of Procurement Card Activity

Condition: The University of Alaska (the University) has not complied with University policies and internal controls over procurement card transactions.

Status: The University had several instances of procurement card activity that was not approved within the 45-day threshold. Repeat finding for FY24, please see 2024-001 for current year information.

Corrective Action: Repeat finding, see 2024-001 for FY24 conditions.

2023 - 002 Tuition and Fee Rate Review

Condition: The University of Alaska (the University) has not complied with University policies and internal controls over recording student fees.

Status: Corrected. University of Alaska Anchorage (UAA) has established procedures for ensuring correct fee rates are established in the accounting system.

UNIVERSITY OF ALASKA SUMMARY SCHEDULE OF PRIOR YEAR FINDINGS (CONTINUED) FOR THE YEAR ENDED JUNE 30, 2024

Section IV – Prior Year Findings (Continued)

FINDINGS— FEDERAL AWARD PROGRAMS AUDITS

2023 – 003 Research and Development Suspension and Debarment

Condition: During the testing of Suspension and Debarment, one grants from the University of Alaska Fairbanks Campus (UAF) had three covered lease contracts that did not have EPLS checks performed. There were existing vendors who previously were not funded with federal dollars. Once the contracts were funded with federal dollars, an EPLS check was not performed.

Status: The University had several instances of suspension and debarment checks not being performed before entering into covered transactions. Repeat finding for FY24, please see 2024-005 for current year information.

Corrective Action: Repeat finding, see 2024-006 for FY24 conditions.

<u>2023 – 004 Research and Development Indirect Costs</u>

Condition: During testing of Indirect Cost Rate calculations, one grant from the University of Alaska Southeast campus (UAS) had one instance of an incorrect indirect cost rate calculation. UAS had two different applicable rates for on-campus and off-campus activity. The campus used the on-campus rate for both activities resulting in a higher calculated indirect cost.

Status: Corrected. University of Alaska Southeast (UAS) has established procedures for ensuring correct indirect cost rates are applied to federal awards.

2023 - 005 SFA 240 Day Check Testing

Condition: The University of Alaska Southeast (UAS) had twenty-two stale Title IV checks aged greater than 240 days not returned to the Department of Education.

Status: Corrected. University of Alaska Southeast (UAS) has established procedures for ensuring stale Title IV checks are returned to the Department of Education before exceeding the allowable 240 day threshold.

2023 - 006 HEERF Suspension and Debarment

Condition: During the testing of Suspension and Debarment, the University of Alaska Fairbanks Campus (UAF) has two covered lease contracts that did not have EPLS checks performed.

Status: Corrected. There were no HEERF expenditures in FY24 therefore there were no additional covered transactions for which the University would need to perform suspension and debarment checks.

