

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD # 0144 [June]
DE-SC0012704

Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OCL	Program	Program Title	WFO	WFO Title	Local Use	Local Use Code	Beginning Unincurred Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available	
150	089-X-0213	- Fossil Energy Research and Development (FER)	2017	25400	Operation and Maintenance of Facilities	AA6000000	C002841	1611051	AA6010000, Advanced Combustion Systems	0	Default WFO Value		\$121,207.00	\$0.00	\$0.00	\$0.00	\$121,207.00	
150	089-X-0213	- Fossil Energy Research and Development (FER)	2016	25400	Operation and Maintenance of Facilities	AA6000000	C002841	1611051	AA6010000, Advanced Combustion Systems	0	Default WFO Value		\$70,469.99	\$0.00	\$0.00	\$0.00	\$70,469.99	
150	089-X-0213	- Fossil Energy Research and Development (FER)	2018	25400	Operation and Maintenance of Facilities	AA6000000	C002841	1611272	AA6070000, Transformative Power Generation	0	Default WFO Value		\$488,763.00	\$0.00	\$0.00	\$0.00	\$488,763.00	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924357	KA2401021, Scientific Discovery through Advanced Computing	0	Default WFO Value		\$120,000.00	\$0.00	\$0.00	\$0.00	\$120,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924460	KC0301050, DO NOT USE!!! Condensed Phase & Interfacial Molec	0	Default WFO Value		\$43,125.76	\$0.00	\$0.00	\$0.00	\$43,125.76	
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924366	KA2501012, National Laboratories	0	Default WFO Value		\$257.97	\$0.00	-\$257.97	-\$257.97	\$0.00	
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924369	KA2501022, Muon Accelerators	0	Default WFO Value		\$250,000.00	-\$250,000.00	\$0.00	-\$250,000.00	\$0.00	
500	089-X-0222	- Science Primary Fund (was WA)	2017	32003	Accelerator Improve/Reactor Mod projects (AIP)	KC0000000	C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WFO Value	485395	CHAIP	\$331,483.16	\$0.00	\$0.00	\$0.00	\$331,483.16
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924462	KP1703040, DO NOT USE!!! Climate Model Development and Valid	0	Default WFO Value		\$416,307.62	\$0.00	\$0.00	\$0.00	\$416,307.62	
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KL0000000	C001021	2924414	KL1500000, Outreach	0	Default WFO Value		\$11,842.58	\$0.00	\$0.00	\$0.00	\$11,842.58	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924496	KA2602020, Accelerator Test Facility ATF Operations	0	Default WFO Value		\$386,964.47	\$0.00	\$0.00	\$0.00	\$386,964.47	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924242	KC0403020, Center for Functional Nanomaterials BNL	0	Default WFO Value		\$13,073,045.43	-\$1,815,000.00	\$0.00	-\$1,815,000.00	\$11,258,045.43	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924211	KP1701000, Atmospheric System Research	0	Default WFO Value		\$1,384,481.22	\$0.00	\$0.00	\$0.00	\$1,384,481.22	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924346	KA2301020, National Laboratories	0	Default WFO Value		\$642,490.45	\$0.00	\$0.00	\$0.00	\$642,490.45	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KL0000000	C001021	2924414	KL1500000, Outreach	0	Default WFO Value		\$80,000.00	\$0.00	\$0.00	\$0.00	\$80,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2017	31001	Major Items of Equipment (MIE)	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WFO Value	485486	CHEQUMIE30YD	\$8,396,292.02	-\$3,590,000.00	\$0.00	-\$3,590,000.00	\$4,806,292.02
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924295	KC0202050, Physical Behavior of Materials	0	Default WFO Value		\$11,184.97	\$0.00	-\$4,911.21	-\$4,911.21	\$6,273.76	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924421	KC0406030, Long Term Surveillance and Maintenance	0	Default WFO Value		\$1,261,148.79	\$0.00	\$0.00	\$0.00	\$1,261,148.79	
500	089-X-0222	- Science Primary Fund (was WA)	2017	32003	Accelerator Improve/Reactor Mod projects (AIP)	KA0000000	C002852	2924382	KA2602010, Accelerator Operations and Support	0	Default WFO Value	485395	CHAIP	\$304,031.06	\$0.00	\$0.00	\$0.00	\$304,031.06
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924472	KC0201070, X-Ray Scattering	0	Default WFO Value		\$1,768,978.04	\$0.00	\$0.00	\$0.00	\$1,768,978.04	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924489	KA2401032, QIS Research - National Laboratories	0	Default WFO Value		\$85,000.00	\$0.00	\$0.00	\$0.00	\$85,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924993	KP1607010, Biomolecular Characterization and Imaging Science	0	Default WFO Value		\$0.00	\$3,750,000.00	\$0.00	\$3,750,000.00	\$3,750,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924336	KA2202090, Other Facilities	0	Default WFO Value		\$0.00	\$385,000.00	\$0.00	\$385,000.00	\$385,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	FS1000000	C000984	2923653	FS1002000, Security Systems	0	Default WFO Value		\$0.00	\$839,000.00	\$0.00	\$839,000.00	\$839,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924506	KC0202031, Theoretical Condensed Matter Physics	0	Default WFO Value		\$0.00	\$1,958,000.00	\$0.00	\$1,958,000.00	\$1,958,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KL0000000	C001021	2924406	KL1001000, Science Undergraduate Laboratory Internship	0	Default WFO Value		\$0.00	\$1,682,000.00	\$0.00	\$1,682,000.00	\$1,682,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923733	KB0201021, Heavy Ion, RHIC Research	0	Default WFO Value		\$0.00	\$6,580,000.00	\$0.00	\$6,580,000.00	\$6,580,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924313	KA2101020, National Laboratories	0	Default WFO Value		\$0.00	\$5,300,000.00	\$0.00	\$5,300,000.00	\$5,300,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	31001	Major Items of Equipment (MIE)	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WFO Value	485499	CHEQUMIE19N1	\$0.00	\$5,310,000.00	\$0.00	\$5,310,000.00	\$5,310,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923734	KB0201022, Heavy Ion, Other National Laboratory Research	0	Default WFO Value		\$0.00	\$132,000.00	\$0.00	\$132,000.00	\$132,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924405	KC0201060, Neutron and X-Ray Scattering	0	Default WFO Value		\$0.00	\$3,100,000.00	\$0.00	\$3,100,000.00	\$3,100,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	32003	Accelerator Improve/Reactor Mod projects (AIP)	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WFO Value	485395	CHAIP	\$0.00	\$4,513,000.00	\$0.00	\$4,513,000.00	\$4,513,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923746	KB0301020, Theory, National Laboratory Research	0	Default WFO Value		\$0.00	\$3,313,000.00	\$0.00	\$3,313,000.00	\$3,313,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2923681	KA1102812, Proton Facilities - Chng in Inventories, Common U	0	Default WFO Value		\$0.00	\$629,138.39	\$0.00	\$629,138.39	\$629,138.39	
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924317	KA2102021, ATLAS Detector and Computing Support	0	Default WFO Value		\$0.00	\$3,590,000.00	\$0.00	\$3,590,000.00	\$3,590,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2925000	KC0304031, Solar Photochemistry	0	Default WFO Value		\$0.00	\$5,850,000.00	\$0.00	\$5,850,000.00	\$5,850,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924366	KA2501012, National Laboratories	0	Default WFO Value		\$0.00	\$200,000.00	\$16,600.00	\$216,600.00	\$216,600.00	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924300	KC0304030, DO NOT USE!!! Solar Photochemistry	0	Default WFO Value		\$1,609,603.03	\$0.00	-\$2,089.84	-\$2,089.84	\$1,607,513.19	
500	089-X-0222	- Science Primary Fund (was WA)	2018	31003	Other Equipment (EQU)	KC0000000	C002853	2924242	KC0403020, Center for Functional Nanomaterials BNL	0	Default WFO Value	485396	CHEQU	\$1,844,459.15	\$1,815,000.00	\$0.00	\$1,815,000.00	\$3,659,459.15
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923752	KB0301052, Theory, ScidAC, National Laboratory Research	0	Default WFO Value		\$352,000.00	\$0.00	\$0.00	\$0.00	\$352,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2923775	KC0202030, DO NOT USE!!! Condensed Matter Theory, Particle-	0	Default WFO Value		\$20,429.34	\$0.00	-\$3,443.80	-\$3,443.80	\$16,985.54	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924203	KP1601040, Computational Biosciences	0	Default WFO Value		\$470,000.00	\$0.00	\$0.00	\$0.00	\$470,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923746	KB0301020, Theory, National Laboratory Research	0	Default WFO Value		\$2,066,632.70	\$0.00	\$0.00	\$0.00	\$2,066,632.70	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924294	KC0202040, Mechanical Behavior and Radiation Effects	0	Default WFO Value		\$22,642.43	\$0.00	\$0.00	\$0.00	\$22,642.43	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924506	KC0202031, Theoretical Condensed Matter Physics	0	Default WFO Value		\$579,927.69	\$0.00	\$0.00	\$0.00	\$579,927.69	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KJ0000000	C001018	2924474	KJ0402010, Computer Sciences - Research	0	Default WFO Value		\$1,039,403.14	\$0.00	\$0.00	\$0.00	\$1,039,403.14	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WFO Value		\$15,617,704.64	\$0.00	\$0.00	\$0.00	\$15,617,704.64	
500	089-X-0222	- Science Primary Fund (was WA)	2011	31003	Other Equipment (EQU)	KC0000000	C002853	3023325	KC0203020, Synthesis and Processing Science	0	Default WFO Value	485396	CHEQU	\$2,515.98	-\$2,515.98	\$0.00	-\$2,515.98	\$0.00
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2924156	KB0201052, Heavy Ion Accelerator R&D Natl Lab Research	0	Default WFO Value		\$278,466.25	\$0.00	\$0.00	\$0.00	\$278,466.25	
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924200	KP1601010, Foundational Genomics Research	0	Default WFO Value		\$2,061,441.13	\$0.00	\$0.00	\$0.00	\$2,061,441.13	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924209	KP1605010, Structural Biology Infrastructure	0	Default WFO Value		\$2,500,000.00	\$0.00	\$0.00	\$0.00	\$2,500,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924336	KA2202090, Other Facilities	0	Default WFO Value		\$211,653.22	\$0.00	\$0.00	\$0.00	\$211,653.22	
500	089-X-0222	- Science Primary Fund (was WA)	2014	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923741	KB0281011, Nuclear Physics - RHIC	0	Default WFO Value		\$82,974.96	\$0.00	\$0.00	\$0.00	\$82,974.96	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924328	KA2202010, Experimental Operations and Support	0	Default WFO Value		\$0.00	\$2,850,000.00	\$0.00	\$2,850,000.00	\$2,850,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	FS1000000	C000984	2923655	FS1005000, Cyber Security	0	Default WFO Value		\$0.00	\$3,151,000.00	\$0.00	\$3,151,000.00	\$3,151,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	32003	Accelerator Improve/Reactor Mod projects (AIP)	KC0000000	C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WFO Value	485395	CHAIP	\$0.00	\$3,500,000.00	\$0.00	\$3,500,000.00	\$3,500,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924211	KP1701000, Atmospheric System Research	0	Default WFO Value		\$0.00	\$5,007,000.00	\$0.00	\$5,007,000.00	\$5,007,000.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	32001	Construction Project (PRN)	39KA00000	C003087	2924481	39KA00000PRN175C73000 Core Facility Revitalization, BNL	0	Default WFO Value		\$0.00	\$37,879,007.00	\$0.00	\$37,879,007.00	\$37,879,007.00	
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KJ0000000	C001018	2924134	KJ0401000, Applied Mathematics Research	0	Default WFO Value		\$0.00	\$400,000.00				

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500	089-X-0222	- Science Primary Fund (was WA)	2016	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924380	KA2601020, National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$200,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	FS1000000	C000984	2923656	FS1006000, Personnel Security	0	Default WFO Value	0	Default Local Use Value	\$17,935.90	\$0.00	\$0.00	\$0.00	\$17,935.90
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924314	KA2101030, University Service Accounts	0	Default WFO Value	0	Default Local Use Value	\$369,578.86	\$0.00	\$0.00	\$0.00	\$369,578.86
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924299	KC0304020, Physical Biosciences	0	Default WFO Value	0	Default Local Use Value	\$2,048,670.39	\$0.00	\$0.00	\$0.00	\$2,048,670.39
500	089-X-0222	- Science Primary Fund (was WA)	2017	31003	Other Equipment (EQU)	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WFO Value	485396	CHEQU	\$847,197.70	\$0.00	\$0.00	\$0.00	\$847,197.70
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KI0000000	C001018	2924137	KI0404000, Next Generation Networking for Science	0	Default WFO Value	0	Default Local Use Value	\$249,396.49	\$0.00	\$0.00	\$0.00	\$249,396.49
500	089-X-0222	- Science Primary Fund (was WA)	2016	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924369	KA2501022, Muon Accelerators	0	Default WFO Value	0	Default Local Use Value	\$274,718.92	-\$200,000.00	\$0.00	-\$200,000.00	\$74,718.92
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924216	KP1703020, DO NOT USE!!! Earth System Modeling	0	Default WFO Value	0	Default Local Use Value	\$134,019.79	\$0.00	\$0.00	\$0.00	\$134,019.79
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WFO Value	485493	CHEQU	\$5,160,147.84	\$0.00	\$0.00	\$0.00	\$5,160,147.84
500	089-X-0222	- Science Primary Fund (was WA)	2018	32001	Construction Project (PRN)	39KA00000	C002786	2924263	39KA00000PRN115C40000, Long Baseline Neutrino Facility Deep	0	Default WFO Value	0	Default Local Use Value	\$629,609.74	\$0.00	\$0.00	\$0.00	\$629,609.74
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923733	KB0201021, Heavy Ion, RHIC Research	0	Default WFO Value	0	Default Local Use Value	\$2,137,071.38	\$0.00	\$0.00	\$0.00	\$2,137,071.38
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2923769	KC0201010, Structure Of Materials	0	Default WFO Value	0	Default Local Use Value	\$1,768,712.78	\$0.00	\$0.00	\$0.00	\$1,768,712.78
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KL0000000	C001021	2924408	KL1003000, Visiting Faculty Program	0	Default WFO Value	0	Default Local Use Value	\$367,175.51	\$0.00	\$0.00	\$0.00	\$367,175.51
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KJ0000000	C001018	2924476	KJ0403010, Computational Partnerships - ScIDAC	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$482,000.00	\$0.00	\$482,000.00	\$482,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924305	KC0406020, Accelerator and Detector Research	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$800,000.00	\$0.00	\$800,000.00	\$800,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924380	KA2601020, National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$250,000.00	\$0.00	\$250,000.00	\$250,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924327	KA2201090, Other Research	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$726,000.00	\$0.00	\$726,000.00	\$726,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924358	KA2401022, Scientific Computing	0	Default WFO Value	0	Default Local Use Value	\$268,446.75	\$0.00	\$0.00	\$0.00	\$268,446.75
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924204	KP1601050, Bioenergy Research Centers	0	Default WFO Value	0	Default Local Use Value	\$405,645.66	\$0.00	\$0.00	\$0.00	\$405,645.66
500	089-X-0222	- Science Primary Fund (was WA)	2018	31001	Major Items of Equipment (MIE)	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WFO Value	485496	CHEQU	\$733,031.10	\$149,003.38	\$0.00	\$149,003.38	\$882,034.48
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924192	KC0207010, Energy Frontier Research Centers EFRCS	0	Default WFO Value	0	Default Local Use Value	\$1,490,000.00	\$0.00	\$0.00	\$0.00	\$1,490,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WFO Value	0	Default Local Use Value	\$16,390,683.63	\$0.00	\$0.00	\$0.00	\$16,390,683.63
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924380	KA2601020, National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$412,656.07	\$0.00	\$0.00	\$0.00	\$412,656.07
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KL0000000	C001021	2924407	KL1002000, Community College Internship Program	0	Default WFO Value	0	Default Local Use Value	\$105,987.27	\$0.00	\$0.00	\$0.00	\$105,987.27
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2923774	KC0201020, DO NOT USE!!! Experimental Condensed Matter Physiol	0	Default WFO Value	0	Default Local Use Value	\$23,536.89	\$0.00	-\$154.66	-\$154.66	\$23,382.23
500	089-X-0222	- Science Primary Fund (was WA)	2018	31003	Other Equipment (EQU)	KC0000000	C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WFO Value	485396	CHEQU	\$32,163.46	-\$1.61	\$0.00	-\$1.61	\$32,161.85
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924368	KA2501021, LHC Accelerator Research	0	Default WFO Value	0	Default Local Use Value	\$38,519.35	\$0.00	\$0.00	\$0.00	\$38,519.35
500	089-X-0222	- Science Primary Fund (was WA)	2017	31003	Other Equipment (EQU)	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WFO Value	485396	CHEQU	\$152,638.30	\$0.00	\$0.00	\$0.00	\$152,638.30
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924203	KP1601040, Computational Biosciences	0	Default WFO Value	0	Default Local Use Value	\$23,025.11	\$0.00	\$0.00	\$0.00	\$23,025.11
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WFO Value	0	Default Local Use Value	\$27,601,557.94	\$1.61	\$0.00	\$1.61	\$27,601,559.55
500	089-X-0222	- Science Primary Fund (was WA)	2018	32002	General Plant Projects (GPP)	KG0700000	C002925	2924416	KG0701000, Facilities and Infrastructure	0	Default WFO Value	0	Default Local Use Value	\$13,362,668.03	\$0.00	\$0.00	\$0.00	\$13,362,668.03
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KJ0000000	C001018	2924476	KJ0403010, Computational Partnerships - ScIDAC	0	Default WFO Value	0	Default Local Use Value	\$364,107.69	\$0.00	\$0.00	\$0.00	\$364,107.69
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	FS1000000	C000984	2923654	FS1004000, Information Security	0	Default WFO Value	0	Default Local Use Value	\$215,192.50	\$0.00	\$0.00	\$0.00	\$215,192.50
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2923769	KC0201010, Structure Of Materials	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$3,519,000.00	\$0.00	\$3,519,000.00	\$3,519,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924489	KA2401032, QIS Research - National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$167,350.00	\$0.00	\$167,350.00	\$167,350.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924203	KP1601040, Computational Biosciences	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$330,000.00	\$0.00	\$330,000.00	\$330,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WFO Value	0	Default Local Use Value	\$109,997,000.00	\$0.00	\$0.00	\$109,997,000.00	\$109,997,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	32001	Construction Project (PRN)	39KG01000	C003227	2924984	39KG01000PRN195C71000, Science User Support Center, BNL	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$7,000,000.00	\$0.00	\$7,000,000.00	\$7,000,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924317	KA2102021, ATLAS Detector and Computing Support	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$23,416,000.00	\$0.00	\$23,416,000.00	\$23,416,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	31003	Other Equipment (EQU)	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WFO Value	485396	CHEQU	\$0.00	\$1,849,000.00	\$0.00	\$1,849,000.00	\$1,849,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924294	KC0202040, Mechanical Behavior and Radiation Effects	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$200,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924325	KA2201020, National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$5,321,000.00	\$10,000.00	\$5,331,000.00	\$5,331,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2005	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924317	KA2102021, ATLAS Detector and Computing Support	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$629,138.39	\$0.00	\$629,138.39	\$629,138.39
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924305	KC0406020, Accelerator and Detector Research	0	Default WFO Value	0	Default Local Use Value	\$117,489.73	\$0.00	\$0.00	\$0.00	\$117,489.73
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924447	KC0213010, Computational Materials Sciences	0	Default WFO Value	0	Default Local Use Value	\$1,955,071.95	\$0.00	\$0.00	\$0.00	\$1,955,071.95
500	089-X-0222	- Science Primary Fund (was WA)	2005	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2923681	KA1102812, Proton Facilities - Chng In Inventories, Common U	0	Default WFO Value	0	Default Local Use Value	\$108,955.69	-\$629,138.39	\$0.00	-\$629,138.39	-\$520,182.70
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924363	KA2403013, Other Projects	0	Default WFO Value	0	Default Local Use Value	\$154,484.87	\$0.00	\$0.00	\$0.00	\$154,484.87
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924305	KC0406020, Accelerator and Detector Research	0	Default WFO Value	0	Default Local Use Value	\$800,000.00	\$0.00	-\$2,498.41	-\$2,498.41	\$797,501.59
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924366	KA2501012, National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$20,000.00	\$0.00	\$0.00	\$0.00	\$20,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2017	32003	Accelerator Improve/Reactor Mod projects (AIP)	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WFO Value	485395	CHAIP	\$1,170,117.68	\$0.00	\$0.00	\$0.00	\$1,170,117.68
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924382	KA2602010, Accelerator Operations and Support	0	Default WFO Value	0	Default Local Use Value	\$2,088.07	\$0.00	\$0.00	\$0.00	\$2,088.07
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923755	KB0401022, Low Energy, Other National Laboratory Research	0	Default WFO Value	0	Default Local Use Value	\$257,253.17	\$0.00	\$0.00	\$0.00	\$257,253.17
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924193	KC0307010, Energy Frontier Research Centers EFRCS	0	Default WFO Value	0	Default Local Use Value	\$1,812,764.94	\$0.00	\$0.00	\$0.00	\$1,812,764.94
500	089-X-0222	- Science Primary Fund (was WA)	2016	25400	Operation and Maintenance of Facilities	FS1000000	C000984	2923655	FS1005000, Cyber Security	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$508,268.60	\$0.00	\$508,268.60	\$508,268.60
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2924299	KC0304020, Physical Biosciences	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$2,560,000.00	\$0.00	\$2,560,000.00	\$2,560,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KJ0000000	C001018	2924474	KJ0402010, Computer Sciences - Research	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$543,000.00	\$0.00	\$543,000.00	\$543,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	FS1000000												

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD # 0144 [June]
DE-SC0012704

Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OCL	Program	Program Title	WFO	WFO Title	Local Use	Local Use Code	Beginning Unincurred Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available	
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	K80000000	C001009	2923721	KB0101022, Medium Energy, Other National Laboratory Research	0	Default WFO Value	0	Default Local Use Value	\$686,859.70	\$0.00	\$0.00	\$0.00	\$686,859.70
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924319	KA2102090, Other Facilities	0	Default WFO Value	0	Default Local Use Value	\$159,687.08	\$0.00	\$0.00	\$0.00	\$159,687.08
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KC0000000	C002853	2923809	KC0302030, Heavy Element Chemistry	0	Default WFO Value	0	Default Local Use Value	\$1,985.20	\$0.00	-\$1,985.20	-\$1,985.20	\$0.00
500	089-X-0222	- Science Primary Fund (was WA)	2018	32003	Accelerator Improve/Reactor Mod projects (AIP)	KA0000000	C002852	2924496	KA2602020, Accelerator Test Facility ATF Operations	0	Default WFO Value	485395	CHAI	\$81,894.40	\$0.00	\$0.00	\$0.00	\$81,894.40
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924514	KP1606010, DO NOT USE!!! - Mesoscale to Molecules	0	Default WFO Value	0	Default Local Use Value	\$2,300,000.00	\$0.00	\$0.00	\$0.00	\$2,300,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924462	KP1703040, DO NOT USE!!! Climate Model Development and Valid	0	Default WFO Value	0	Default Local Use Value	\$1,392,000.00	\$0.00	\$0.00	\$0.00	\$1,392,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2015	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924417	KP1606000, Mesoscale to Molecules	0	Default WFO Value	0	Default Local Use Value	\$209,151.43	\$0.00	\$0.00	\$0.00	\$209,151.43
500	089-X-0222	- Science Primary Fund (was WA)	2017	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924357	KA2401021, Scientific Discovery through Advanced Computing	0	Default WFO Value	0	Default Local Use Value	\$110,074.05	\$0.00	\$0.00	\$0.00	\$110,074.05
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924317	KA2102021, ATLAS Detector and Computing Support	0	Default WFO Value	0	Default Local Use Value	\$10,318,802.13	-\$629,138.39	\$0.00	-\$629,138.39	\$9,689,663.74
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924355	KA2401012, National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$1,019,423.20	\$0.00	\$0.00	\$0.00	\$1,019,423.20
500	089-X-0222	- Science Primary Fund (was WA)	2018	32001	Construction Project (PRN)	39KGO1000	C003087	2924481	39KGO1000PRN175C73000 Core Facility Revitalization, BNL	0	Default WFO Value	0	Default Local Use Value	\$29,414,962.47	\$0.00	\$0.00	\$0.00	\$29,414,962.47
500	089-X-0222	- Science Primary Fund (was WA)	2018	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924328	KA2202010, Experimental Operations and Support	0	Default WFO Value	0	Default Local Use Value	\$629,218.57	\$0.00	\$0.00	\$0.00	\$629,218.57
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924371	KA2501032, National Laboratories	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$1,400,000.00	-\$100,000.00	\$1,300,000.00	\$1,300,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KL0000000	C001021	2924407	KL1002000, Community College Internship Program	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$130,000.00	\$0.00	\$130,000.00	\$130,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924200	KP1601010, Foundational Genomics Research	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$2,771,000.00	\$0.00	\$2,771,000.00	\$2,771,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KP0000000	C001024	2924204	KP1601050, Bioenergy Research Centers	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$1,308,000.00	\$0.00	\$1,308,000.00	\$1,308,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	FS1000000	C000984	2923654	FS1000000, Information Security	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$399,000.00	\$0.00	\$399,000.00	\$399,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924348	KA2302012, Heavy Ion, RHIC Experimental Support	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$220,000.00	\$0.00	\$220,000.00	\$220,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	31003	Other Equipment (EQU)	KC0000000	C002853	2924242	KC0403020, Center for Functional Nanomaterials BNL	0	Default WFO Value	485396	CHEQU	\$0.00	\$3,385,000.00	\$0.00	\$3,385,000.00	\$3,385,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924357	KA2401021, Scientific Discovery through Advanced Computing	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$190,000.00	\$0.00	\$190,000.00	\$190,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2924156	KB0201052, Heavy Ion Accelerator R&D Natl Lab Research	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$214,000.00	\$0.00	\$214,000.00	\$214,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KB0000000	C001009	2923755	KB0401022, Low Energy, Other National Laboratory Research	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$221,000.00	\$0.00	\$221,000.00	\$221,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	31003	Other Equipment (EQU)	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WFO Value	485396	CHEQU	\$0.00	\$1,456,000.00	\$0.00	\$1,456,000.00	\$1,456,000.00
500	089-X-0222	- Science Primary Fund (was WA)	2019	25400	Operation and Maintenance of Facilities	KA0000000	C002852	2924356	KA2401019, Other Research	0	Default WFO Value	0	Default Local Use Value	\$0.00	\$1,698,000.00	\$0.00	\$1,698,000.00	\$1,698,000.00
510	089-X-0222	- Science Reimbursable Work Technology Transf	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600199	456165021, Cooperative Research And Development Agreements	4861091	CHAGRRIKEN	0	Default Local Use Value	\$71,022.21	\$0.00	\$0.00	\$0.00	\$71,022.21
510	089-X-0222	- Science Reimbursable Work Technology Transf	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600199	456165021, Cooperative Research And Development Agreements	4861014	CHAGR84075	0	Default Local Use Value	\$22,453.69	-\$22,453.69	\$0.00	-\$22,453.69	\$0.00
510	089-X-0222	- Science Reimbursable Work Technology Transf	2017	25400	Operation and Maintenance of Facilities	456100000	C003005	6600199	456165021, Cooperative Research And Development Agreements	4860747	CHAGR87105	0	Default Local Use Value	\$25,548.78	-\$25,548.78	\$0.00	-\$25,548.78	\$0.00
510	089-X-0222	- Science Reimbursable Work Technology Transf	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600199	456165021, Cooperative Research And Development Agreements	4861091	CHAGRRIKEN	0	Default Local Use Value	\$0.00	\$665,988.67	\$25,171.77	\$691,160.44	\$691,160.44
510	089-X-0222	- Science Reimbursable Work Technology Transf	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600199	456165021, Cooperative Research And Development Agreements	4861004	CHAGR84181	0	Default Local Use Value	\$2,123.13	-\$2,123.13	\$0.00	-\$2,123.13	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861088	CHAGR84316	0	Default Local Use Value	\$58,118.62	\$0.00	\$0.00	\$0.00	\$58,118.62
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861089	CHAGR84317	0	Default Local Use Value	\$163.45	\$0.00	\$0.00	\$0.00	\$163.45
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2017	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861052	CHAGR84188	0	Default Local Use Value	\$2,146,667.98	\$0.00	\$0.00	\$0.00	\$2,146,667.98
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861009	CHAGR84182	0	Default Local Use Value	\$2,617.07	-\$2,617.07	\$0.00	-\$2,617.07	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861109	CHAGR84346	0	Default Local Use Value	\$382.41	\$0.00	\$0.00	\$0.00	\$382.41
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861020	CHAGR84072	0	Default Local Use Value	\$1,704.11	-\$2,517.22	\$0.00	-\$2,517.22	-\$813.11
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2014	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4860871	CHAGR87266	0	Default Local Use Value	\$119,776.80	\$0.00	\$0.00	\$0.00	\$119,776.80
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861141	CHAGR84418	0	Default Local Use Value	\$0.00	\$18,656.54	\$0.00	\$18,656.54	\$18,656.54
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861130	CHAGR84407	0	Default Local Use Value	\$0.00	\$101,014.94	\$0.00	\$101,014.94	\$101,014.94
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861098	CHAGR84336	0	Default Local Use Value	\$0.00	\$33,387.00	\$5,417.43	\$38,804.43	\$38,804.43
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4860946	CHAGR87357	0	Default Local Use Value	\$0.00	\$338,700.77	\$0.00	\$338,700.77	\$338,700.77
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861121	CHAGR84400	0	Default Local Use Value	\$0.00	\$2,853.76	\$8,350.47	\$11,204.23	\$11,204.23
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4860936	CHAGR87293	0	Default Local Use Value	\$0.00	\$2,999.88	\$13,877.38	\$16,877.26	\$16,877.26
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861159	CHAGR84433	0	Default Local Use Value	\$0.00	\$5,111.00	\$0.00	\$5,111.00	\$5,111.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2017	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861017	CHAGR84112	0	Default Local Use Value	\$644.23	\$0.00	-\$644.23	-\$644.23	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861060	CHAGR84224	0	Default Local Use Value	\$19,067.88	-\$19,067.88	\$0.00	-\$19,067.88	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861068	CHAGR84232	0	Default Local Use Value	\$122.99	\$0.00	\$0.00	\$0.00	\$122.99
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861111	CHAGR84348	0	Default Local Use Value	\$23,648.21	-\$23,648.21	\$0.00	-\$23,648.21	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861075	CHAGR84301	0	Default Local Use Value	\$21,730.69	-\$2,746.31	\$0.00	-\$2,746.31	\$18,984.38
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4860969	CHAGR87369	0	Default Local Use Value	\$72,150.96	\$0.00	\$0.00	\$0.00	\$72,150.96
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2017	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861021	CHAGR84073	0	Default Local Use Value	\$2,654.48	-\$2,654.48	\$0.00	-\$2,654.48	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861092	CHAGR84331	0	Default Local Use Value	\$121.69	-\$121.69	\$0.00	-\$121.69	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861079	CHAGR84311	0	Default Local Use Value	\$41,439.06	\$0.00	\$0.00	\$0.00	\$41,439.06
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861121	CHAGR84400	0	Default Local Use Value	\$24,271.84	\$0.00	\$0.00	\$0.00	\$24,271.84
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861163	CHAGR84435	0	Default Local Use Value	\$0.00	\$17,064.00	\$0.00	\$17,064.00	\$17,064.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation and Maintenance of Facilities	456100000	C003005	6600146	456160031, Industry - Domestic	4861102	CHAGR84339	0	Default Local Use Value	\$0.00				