

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0155 [December]
 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 Uncosted 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 : AA6000000	C002841	1611051	AA6010000, Advanced Combustion Systems		0	Default WF 302017	TCF Fundin		\$121,207.00	\$0.00	\$0.00	\$0.00	\$121,207.00
150	089-X-0213 - Fossil Energy Research and Development (FER	2018	25400	Operation : AA6000000	C002841	1611272	AA6070000, Transformative Power Generation		0	Default WF 302017	TCF Fundin		\$488,763.00	\$0.00	\$0.00	\$0.00	\$488,763.00
150	089-X-0213 - Fossil Energy Research and Development (FER	2016	25400	Operation : AA6000000	C002841	1611051	AA6010000, Advanced Combustion Systems		0	Default WF 302017	TCF Fundin		\$70,469.99	\$0.00	\$0.00	\$0.00	\$70,469.99
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924504	KC0202021, Experimental Condensed Matter Physics		0	Default WF 0	Default Loc		\$2,198,710.03	\$0.00	\$0.00	\$0.00	\$2,198,710.03
500	089-X-0222 - Science Primary Fund (was WA)	2016	25400	Operation : KP0000000	C001024	2924205	KP1602010, Radiochemistry and Imaging Instrumentation		0	Default WF 0	Default Loc		\$4,286.34	\$0.00	\$0.00	\$0.00	\$4,286.34
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KJ0000000	C001018	2924134	KJ0401000, Applied Mathematics Research		0	Default WF 0	Default Loc		\$400,000.00	\$0.00	\$0.00	\$0.00	\$400,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2923734	KB0201022, Heavy Ion, Other National Laboratory Research		0	Default WF 0	Default Loc		\$3.66	\$0.00	\$0.00	\$0.00	\$3.66
500	089-X-0222 - Science Primary Fund (was WA)	2018	32001	Constructio	C003087	2924481	39KG01000PRN17SC73000, 17-SC-73000 Core Facility Revitalizat		0	Default WF 0	Default Loc		\$23,967,852.43	\$0.00	\$0.00	\$0.00	\$23,967,852.43
500	089-X-0222 - Science Primary Fund (was WA)	2018	32003	Accelerator	C002853	2924233	KC0401040, National Synchrotron Light Source II BNL		0	Default WF 485395	CHAIP		\$111,349.54	\$0.00	\$0.00	\$0.00	\$111,349.54
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2923807	KC0302010, Chemical Energy		0	Default WF 0	Default Loc		\$1,940,003.60	\$0.00	\$0.00	\$0.00	\$1,940,003.60
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924243	KC0403030, Molecular Foundry LBNL		0	Default WF 0	Default Loc		\$16,414.96	\$0.00	\$0.00	\$0.00	\$16,414.96
500	089-X-0222 - Science Primary Fund (was WA)	2019	31003	Other Equi	C001024	2924993	KP1607010, Biomolecular Characterization and Imaging Science		0	Default WF 0	Default Loc		\$1,349,000.00	\$0.00	\$0.00	\$0.00	\$1,349,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KL0000000	C001021	2924414	KL1500000, Outreach		0	Default WF 0	Default Loc		\$11,820.36	\$0.00	\$0.00	\$0.00	\$11,820.36
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	C002853	2924447	KC0213010, Computational Materials Sciences		0	Default WF 0	Default Loc		\$785,276.27	\$0.00	\$0.00	\$0.00	\$785,276.27
500	089-X-0222 - Science Primary Fund (was WA)	2018	31003	Other Equi	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations		0	Default WF 485396	CHEQU		\$824,000.00	\$0.00	\$0.00	\$0.00	\$824,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	C002853	2924192	KC0207010, Energy Frontier Research Centers EFRCS		0	Default WF 0	Default Loc		\$611,057.47	\$0.00	\$0.00	\$0.00	\$611,057.47
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924328	KA2202010, Experimental Operations and Support		0	Default WF 0	Default Loc		\$868,553.09	\$0.00	\$0.00	\$0.00	\$868,553.09
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2925000	KC0304031, Solar Photochemistry		0	Default WF 0	Default Loc		\$2,059,588.59	\$0.00	\$0.00	\$0.00	\$2,059,588.59
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924489	KA2401032, QIS Research - National Laboratories		0	Default WF 0	Default Loc		\$1,148,358.93	\$0.00	\$0.00	\$0.00	\$1,148,358.93
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Item	C002852	2924320	KA2103011, MIE		0	Default WF 485498	CHEQU		\$0.00	\$3,900,000.00	\$1,605,000.00	\$5,505,000.00	\$5,505,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000	C002853	3023325	KC0203020, Synthesis and Processing Science		0	Default WF 0	Default Loc		\$0.00	\$367,000.00	\$408,000.00	\$775,000.00	\$775,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Item	C002852	2924320	KA2103011, MIE		0	Default WF 485496	CHEQU		\$0.00	\$2,600,000.00	\$779,000.00	\$3,379,000.00	\$3,379,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000	C002853	2923769	KC0201010, Structure Of Materials		0	Default WF 0	Default Loc		\$0.00	\$410,000.00	\$457,000.00	\$867,000.00	\$867,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000	C000984	2923654	FS1004000, Information Security		0	Default WF 0	Default Loc		\$0.00	\$61,000.00	\$40,000.00	\$101,000.00	\$101,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2011	25400	Operation : KP0000000	C001024	2924206	KP1602020, Radiobiology		0	Default WF 0	Default Loc		\$372.03	\$0.00	\$0.00	\$0.00	\$372.03
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	C002853	2924300	KC0304030, DO NOT USE!!! Solar Photochemistry		0	Default WF 0	Default Loc		\$30,620.95	\$0.00	\$0.00	\$0.00	\$30,620.95
500	089-X-0222 - Science Primary Fund (was WA)	2019	31003	Other Equi	C002853	2924242	KC0403020, Center for Functional Nanomaterials BNL		0	Default WF 485396	CHEQU		\$3,873,975.97	\$0.00	\$760,000.00	\$760,000.00	\$4,633,975.97
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924242	KC0403020, Center for Functional Nanomaterials BNL		0	Default WF 0	Default Loc		\$11,530,578.90	\$0.00	-\$760,000.00	-\$760,000.00	\$10,770,578.90
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KJ0000000	C001018	2924476	KJ0403010, Computational Partnerships - SciDAC		0	Default WF 0	Default Loc		\$482,000.00	\$0.00	\$0.00	\$0.00	\$482,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KL0000000	C001021	2924414	KL1500000, Outreach		0	Default WF 0	Default Loc		\$80,000.00	\$0.00	\$0.00	\$0.00	\$80,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924314	KA2101030, University Service Accounts		0	Default WF 0	Default Loc		\$373,836.00	\$0.00	\$0.00	\$0.00	\$373,836.00
500	089-X-0222 - Science Primary Fund (was WA)	2015	25400	Operation : KA0000000	C002852	2924313	KA2101020, National Laboratories		0	Default WF 485474	CHOPEMIE		\$33.06	\$0.00	\$0.00	\$0.00	\$33.06
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KB0000000	C001009	2923752	KB0301052, Theory, SciDAC, National Laboratory Research		0	Default WF 0	Default Loc		\$278,400.45	\$0.00	\$0.00	\$0.00	\$278,400.45
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2923755	KB0401022, Low Energy, Other National Laboratory Research		0	Default WF 0	Default Loc		\$411,205.13	\$0.00	\$0.00	\$0.00	\$411,205.13
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KP0000000	C001024	2924993	KP1607010, Biomolecular Characterization and Imaging Science		0	Default WF 0	Default Loc		\$3,068,783.11	\$0.00	\$0.00	\$0.00	\$3,068,783.11
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KC0000000	C002853	2923774	KC0202020, DO NOT USE!!! Experimental Condensed Matter Physi		0	Default WF 0	Default Loc		\$7,280.81	\$0.00	\$0.00	\$0.00	\$7,280.81
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	C002853	2924193	KC0307010, Energy Frontier Research Centers EFRCS		0	Default WF 0	Default Loc		\$237,487.39	\$0.00	\$0.00	\$0.00	\$237,487.39
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924496	KA2602020, Accelerator Test Facility ATF Operations		0	Default WF 0	Default Loc		\$443,959.88	\$0.00	\$0.00	\$0.00	\$443,959.88
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924371	KA2501032, National Laboratories		0	Default WF 0	Default Loc		\$1,163,151.16	\$0.00	\$0.00	\$0.00	\$1,163,151.16
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000	C001009	2923749	KB0301042, Theory, Nuclear Data, National Laboratory Researc		0	Default WF 0	Default Loc		\$0.00	\$500,000.00	\$250,000.00	\$750,000.00	\$750,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	C002852	2924496	KA2602020, Accelerator Test Facility ATF Operations		0	Default WF 0	Default Loc		\$0.00	\$1,200,000.00	\$416,000.00	\$1,616,000.00	\$1,616,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations		0	Default WF 0	Default Loc		\$0.00	\$19,700,000.00	\$9,840,000.00	\$29,540,000.00	\$29,540,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000	C001009	2925029	KB0405012, Fund. Symmetries National Lab Research		0	Default WF 0	Default Loc		\$0.00	\$100,000.00	\$30,000.00	\$130,000.00	\$130,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000	C000984	2923658	FS1009000, Program Management		0	Default WF 0	Default Loc		\$0.00	\$90,000.00	\$59,000.00	\$149,000.00	\$149,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000	C002852	2924357	KA2401021, Scientific Discovery through Advanced Computing		0	Default WF 0	Default Loc		\$99,968.41	\$0.00	\$0.00	\$0.00	\$99,968.41
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000	C000984	2923655	FS1005000, Cyber Security		0	Default WF 0	Default Loc		\$3,002,135.56	\$0.00	\$0.00	\$0.00	\$3,002,135.56
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2924156	KB0201052, Heavy Ion Accelerator R&D Natl Lab Research		0	Default WF 0	Default Loc		\$214,000.00	\$0.00	\$0.00	\$0.00	\$214,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000	C000984	2923656	FS1006000, Personnel Security		0	Default WF 0	Default Loc		\$143,097.03	\$0.00	\$0.00	\$0.00	\$143,097.03
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2923746	KB0301020, Theory, National Laboratory Research		0	Default WF 0	Default Loc		\$1,116,615.27	\$0.00	\$0.00	\$0.00	\$1,116,615.27
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924348	KA2302010, Experimental Operations and Support		0	Default WF 0	Default Loc		\$186,151.30	\$0.00	\$0.00	\$0.00	\$186,151.30
500	089-X-0222 - Science Primary Fund (was WA)	2017	31003	Other Equi	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations		0	Default WF 485396	CHEQU		\$621,412.12	\$0.00	\$0.00	\$0.00	\$621,412.12
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000	C000984	2923652	FS1001000, Protective Forces		0	Default WF 0	Default Loc		\$1,334,865.99	\$0.00	\$0.00	\$0.00	\$1,334,865.99
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KP0000000	C001024	2924204	KP1601050, Bioenergy Research Centers		0	Default WF 0	Default Loc		\$158,276.45	\$0.00	\$0.00	\$0.00	\$158,276.45
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000	C001024	2924514	KP1606010, DO NOT USE!!! - Mesoscale to Molecules		0	Default WF 0	Default Loc		\$2,094,649.43	\$0.00	\$0.00	\$0.00	\$2,094,649.43
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924305	KC0406020, Accelerator and Detector Research		0	Default WF 0	Default Loc		\$800,000.00	\$0.00	\$0.00	\$0.00	\$800,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : FS1000000	C000984	2923657	FS1007000, Material Control and Accountability		0	Default WF 0	Default Loc		\$15,266.81	\$0.00	\$0.00	\$0.00	\$15,266.81
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924299	KC0304020, Physical Biosciences		0	Default WF 0	Default Loc		\$2,246,638.34	\$0.00	\$0.00	\$0.00	\$2,246,638.34
500	089-X-0222 - Science Primary Fund (was WA)	2019	31003	Other Equi	C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations		0	Default WF 485396	CHEQU		\$1,849,000.00	\$0.00	\$0.00	\$0.00	\$1,849,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000	C001024	2924209	KP1605010, Structural Biology Infrastructure		0	Default WF 0	Default Loc		\$41,509.65	\$0.00	\$0.00	\$0.00	\$41,509.65
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KP0000000	C001024	2924200	KP1601010, Foundational Genomics Research		0	Default WF 0	Default Loc		\$2,771,000.00	\$0.00	\$0.00	\$0.00	\$2,771,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	32														

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500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000		C001009	2923752	KB0301052, Theory, SciDAC, National Laboratory Research	0	Default WFO	Default Loc		\$347,000.00	\$0.00	\$0.00	\$0.00	\$347,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924313	KA2101020, National Laboratories	0	Default WFO	Default Loc		\$0.00	\$846,000.00	\$493,000.00	\$1,339,000.00	\$1,339,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KJ0000000		C001018	2924476	KJ0403010, Computational Partnerships - SciDAC	0	Default WFO	Default Loc		\$0.00	\$170,000.00	\$158,000.00	\$328,000.00	\$328,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KP0000000		C001024	2924993	KP1607010, Biomolecular Characterization and Imaging Science	0	Default WFO	Default Loc		\$0.00	\$525,000.00	\$612,000.00	\$1,137,000.00	\$1,137,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31003	Other Equi KB0000000		C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WF 485396	CHEQU		\$0.00	\$200,000.00	\$100,000.00	\$300,000.00	\$300,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KP0000000		C001024	2924200	KP1601010, Foundational Genomics Research	0	Default WFO	Default Loc		\$0.00	\$137,000.00	\$81,000.00	\$218,000.00	\$218,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Item KB0000000		C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WF 485499	CHEQU MIE		\$0.00	\$1,300,000.00	\$670,000.00	\$1,970,000.00	\$1,970,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924299	KC0304020, Physical Biosciences	0	Default WFO	Default Loc		\$0.00	\$475,000.00	\$528,000.00	\$1,003,000.00	\$1,003,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924317	KA2102021, ATLAS Detector and Computing Support	0	Default WFO	Default Loc		\$13,203,817.01	\$0.00	\$0.00	\$0.00	\$13,203,817.01
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924357	KA2401021, Scientific Discovery through Advanced Computing	0	Default WFO	Default Loc		\$190,000.00	\$0.00	\$0.00	\$0.00	\$190,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000		C001024	2924203	KP1601040, Computational Biosciences	0	Default WFO	Default Loc		\$78,003.33	\$0.00	\$0.00	\$0.00	\$78,003.33
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KP0000000		C001024	2924211	KP1701000, Atmospheric System Research	0	Default WFO	Default Loc		\$1,428,661.09	\$0.00	\$0.00	\$0.00	\$1,428,661.09
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KL0000000		C001021	2924406	KL1001000, Science Undergraduate Laboratory Internship	0	Default WFO	Default Loc		\$502,720.50	\$0.00	\$20,000.00	\$20,000.00	\$522,720.50
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000		C000984	2923653	FS1002000, Security Systems	0	Default WFO	Default Loc		\$508,702.69	\$0.00	\$0.00	\$0.00	\$508,702.69
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000		C000984	2923657	FS1007000, Material Control and Accountability	0	Default WFO	Default Loc		\$709,000.00	\$0.00	\$0.00	\$0.00	\$709,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000		C002852	2924368	KA2501021, LHC Accelerator Research	0	Default WFO	Default Loc		\$1,009.15	\$0.00	\$0.00	\$0.00	\$1,009.15
500	089-X-0222 - Science Primary Fund (was WA)	2018	31003	Other Equi KB0000000		C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WF 485396	CHEQU		\$797,555.36	\$0.00	\$0.00	\$0.00	\$797,555.36
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924472	KC0201070, X-Ray Scattering	0	Default WFO	Default Loc		\$2,094,051.59	\$0.00	\$0.00	\$0.00	\$2,094,051.59
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation : KB0000000		C001009	2923728	KB0181012, Nuclear Physics - BNL-Tandem	0	Default WFO	Default Loc		\$34,228.17	\$0.00	\$0.00	\$0.00	\$34,228.17
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924305	KC0406020, Accelerator and Detector Research	0	Default WFO	Default Loc		\$0.00	\$112,000.00	\$66,000.00	\$178,000.00	\$178,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924346	KA2301020, National Laboratories	0	Default WFO	Default Loc		\$0.00	\$177,000.00	\$103,000.00	\$280,000.00	\$280,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924355	KA2401012, National Laboratories	0	Default WFO	Default Loc		\$0.00	\$474,000.00	\$424,000.00	\$898,000.00	\$898,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KP0000000		C001024	2924995	KP1703000, Earth and Environmental Systems Modeling	0	Default WFO	Default Loc		\$0.00	\$76,000.00	\$50,000.00	\$126,000.00	\$126,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KP0000000		C001024	2924204	KP1601050, Bioenergy Research Centers	0	Default WFO	Default Loc		\$0.00	\$183,000.00	\$109,000.00	\$292,000.00	\$292,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000		C001009	2923721	KB0101022, Medium Energy, Other National Laboratory Research	0	Default WFO	Default Loc		\$0.00	\$200,000.00	\$110,000.00	\$310,000.00	\$310,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924472	KC0201070, X-Ray Scattering	0	Default WFO	Default Loc		\$0.00	\$241,000.00	\$269,000.00	\$510,000.00	\$510,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924348	KA2302010, Experimental Operations and Support	0	Default WFO	Default Loc		\$0.00	\$75,000.00	\$0.00	\$75,000.00	\$75,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000		C002853	2923803	KC0301020, DO NOT USE!!! Chemical Physics	0	Default WFO	Default Loc		\$3.83	\$0.00	\$0.00	\$0.00	\$3.83
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000		C002853	2924421	KC0406030, Long Term Surveillance and Maintenance	0	Default WFO	Default Loc		\$503,962.44	\$0.00	\$0.00	\$0.00	\$503,962.44
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000		C000984	2923654	FS1004000, Information Security	0	Default WFO	Default Loc		\$111,006.91	\$0.00	\$0.00	\$0.00	\$111,006.91
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000		C002852	2924380	KA2601020, National Laboratories	0	Default WFO	Default Loc		\$57,442.12	\$0.00	\$0.00	\$0.00	\$57,442.12
500	089-X-0222 - Science Primary Fund (was WA)	2017	32003	Accelerator KA0000000		C002852	2924382	KA2602010, Accelerator Operations and Support	0	Default WF 485395	CHAIP		\$185,727.18	\$0.00	\$0.00	\$0.00	\$185,727.18
500	089-X-0222 - Science Primary Fund (was WA)	2019	32003	Accelerator KB0000000		C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WF 485395	CHAIP		\$4,513,000.00	\$0.00	\$0.00	\$0.00	\$4,513,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924326	KA2201030, University Service Accounts	0	Default WFO	Default Loc		\$55,000.00	\$0.00	\$0.00	\$0.00	\$55,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation : KC0000000		C002853	2924248	KC0404040, National Synchrotron Light Source II BNL	0	Default WFO	Default Loc		\$2,840,641.00	\$0.00	\$0.00	\$0.00	\$2,840,641.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WFO	Default Loc		\$26,835,229.75	\$0.00	\$0.00	\$0.00	\$26,835,229.75
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major Item KA0000000		C002852	2924320	KA2103011, MIE	0	Default WF 485496	CHEQU MIE		\$2,441,780.26	\$0.00	\$0.00	\$0.00	\$2,441,780.26
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924192	KC0207010, Energy Frontier Research Centers EFRCs	0	Default WFO	Default Loc		\$1,315,000.00	\$0.00	\$0.00	\$0.00	\$1,315,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924355	KA2401012, National Laboratories	0	Default WFO	Default Loc		\$1,209,355.21	\$0.00	\$0.00	\$0.00	\$1,209,355.21
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KJ0000000		C001018	2924516	KJ0403040, Computational Partnerships - Collaboratories	0	Default WFO	Default Loc		\$142,448.06	\$0.00	\$0.00	\$0.00	\$142,448.06
500	089-X-0222 - Science Primary Fund (was WA)	2018	32003	Accelerator KA0000000		C002852	2924496	KA2602020, Accelerator Test Facility ATF Operations	0	Default WF 485395	CHAIP		\$76,475.60	\$0.00	\$0.00	\$0.00	\$76,475.60
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000		C002853	2924305	KC0406020, Accelerator and Detector Research	0	Default WFO	Default Loc		\$346,746.48	\$0.00	\$0.00	\$0.00	\$346,746.48
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation : KC0000000		C002853	2923794	KC0281013, BNL-NSLS	0	Default WFO	Default Loc		\$165,193.55	\$0.00	\$0.00	\$0.00	\$165,193.55
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000		C001009	2923746	KB0301020, Theory, National Laboratory Research	0	Default WFO	Default Loc		\$0.00	\$400,000.00	\$210,000.00	\$610,000.00	\$610,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KP0000000		C001024	2924211	KP1701000, Atmospheric System Research	0	Default WFO	Default Loc		\$0.00	\$1,053,000.00	\$408,000.00	\$1,461,000.00	\$1,461,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924294	KC0202040, Mechanical Behavior and Radiation Effects	0	Default WFO	Default Loc		\$0.00	\$28,000.00	\$32,000.00	\$60,000.00	\$60,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32003	Accelerator KB0000000		C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WF 485395	CHAIP		\$0.00	\$400,000.00	\$180,000.00	\$580,000.00	\$580,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924405	KC0201060, Neutron and X-Ray Scattering	0	Default WFO	Default Loc		\$0.00	\$440,000.00	\$490,000.00	\$930,000.00	\$930,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2923807	KC0302010, Chemical Energy	0	Default WFO	Default Loc		\$0.00	\$551,000.00	\$441,000.00	\$992,000.00	\$992,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924504	KC0202021, Experimental Condensed Matter Physics	0	Default WFO	Default Loc		\$0.00	\$460,000.00	\$512,000.00	\$972,000.00	\$972,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2925000	KC0304031, Solar Photochemistry	0	Default WFO	Default Loc		\$0.00	\$757,000.00	\$849,000.00	\$1,606,000.00	\$1,606,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924328	KA2202010, Experimental Operations and Support	0	Default WFO	Default Loc		\$0.00	\$386,000.00	\$225,000.00	\$611,000.00	\$611,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000		C001009	2923733	KB0201021, Heavy Ion, RHIC Research	0	Default WFO	Default Loc		\$0.00	\$1,000,000.00	\$480,000.00	\$1,480,000.00	\$1,480,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000		C000984	2923657	FS1007000, Material Control and Accountability	0	Default WFO	Default Loc		\$0.00	\$85,000.00	\$56,000.00	\$141,000.00	\$141,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : AT0000000		C000840	2925033	AT7010000, Innovation Network for Fusion Energy INFUSE	0	Default WFO	Default Loc		\$0.00	\$0.00	\$160,000.00	\$160,000.00	\$160,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924325	KA2201020, National Laboratories	0	Default WFO	Default Loc		\$2,645,827.48	\$0.00	\$0.00	\$0.00	\$2,645,827.48
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924336	KA2202090, Other Facilities	0	Default WFO	Default Loc		\$169,868.66	\$0.00	\$0.00	\$0.00	\$169,868.66
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924356	KA2401019, Other Research	0	Default WFO	Default Loc		\$298,162.24	\$0.00	\$0.00	\$0.00	\$298,162.24
500	089-X-0222 - Science Primary Fund (was WA)	2019	32001	Constructive 39KG01000		C003227	2924984	39KG01000PRN19SC71000, 19-SC-71000 Science User Support Cent	0	Default WFO	Default Loc		\$6,601,686.24	\$0.00	\$0.00	\$0.00	\$6,601,686.24
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000		C001009	2923721	KB0101022,									

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0155 [December]
 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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000		C002852	2924320	KA2103011, MIE	0	Default WF 485493			\$990,040.45	\$0.00	\$0.00	\$0.00	\$990,040.45
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000		C000984	2923658	FS1009000, Program Management	0	Default WF 0			\$297,414.40	\$0.00	\$0.00	\$0.00	\$297,414.40
500	089-X-0222 - Science Primary Fund (was WA)	2019	32003	Accelerator : KC0000000		C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WF 485395			\$4,200,000.00	\$0.00	\$0.00	\$0.00	\$4,200,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KA0000000		C002852	2924382	KA2602010, Accelerator Operations and Support	0	Default WF 0			\$1,756.28	\$0.00	\$0.00	\$0.00	\$1,756.28
500	089-X-0222 - Science Primary Fund (was WA)	2018	32003	Accelerator : KB0000000		C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WF 485395			\$1,199,490.39	\$0.00	\$0.00	\$0.00	\$1,199,490.39
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KJ0000000		C001018	2924474	KJ0402010, Computer Sciences - Research	0	Default WF 0			\$451,512.00	\$0.00	\$0.00	\$0.00	\$451,512.00
500	089-X-0222 - Science Primary Fund (was WA)	2017	31001	Major Item KA0000000		C002852	2924320	KA2103011, MIE	0	Default WF 485486			\$838,523.42	\$0.00	\$0.00	\$0.00	\$838,523.42
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major Item KB0000000		C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WF 485499			\$4,440,831.74	\$0.00	\$0.00	\$0.00	\$4,440,831.74
500	089-X-0222 - Science Primary Fund (was WA)	2015	25400	Operation : KP0000000		C001024	2924417	KP1606000, Mesoscale to Molecules	0	Default WF 0			\$67,264.21	\$0.00	\$0.00	\$0.00	\$67,264.21
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KC0000000		C002853	2924295	KC0202050, Physical Behavior of Materials	0	Default WF 0			\$6,273.76	\$0.00	\$0.00	\$0.00	\$6,273.76
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000		C002852	2923681	KA1102812, Proton Facilities - Chng in Inventories, Common U	0	Default WF 0			\$116,070.99	\$0.00	\$0.00	\$0.00	\$116,070.99
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924242	KC0403020, Center for Functional Nanomaterials BNL	0	Default WF 0			\$0.00	\$3,411,000.00	\$1,932,000.00	\$5,343,000.00	\$5,343,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31003	Other Equi : KB0000000		C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WF 485396			\$0.00	\$100,000.00	\$60,000.00	\$160,000.00	\$160,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924336	KA2202090, Other Facilities	0	Default WF 0			\$0.00	\$57,000.00	\$33,000.00	\$90,000.00	\$90,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KP0000000		C001024	2924203	KP1601040, Computational Biosciences	0	Default WF 0			\$0.00	\$60,000.00	\$86,000.00	\$146,000.00	\$146,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924366	KA2501012, National Laboratories	0	Default WF 0			\$0.00	\$30,000.00	\$17,000.00	\$47,000.00	\$47,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000		C000984	2923652	FS1001000, Protective Forces	0	Default WF 0			\$0.00	\$863,000.00	\$568,000.00	\$1,431,000.00	\$1,431,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000		C000984	2923655	FS1005000, Cyber Security	0	Default WF 0			\$0.00	\$405,000.00	\$266,000.00	\$671,000.00	\$671,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000		C000984	2923656	FS1006000, Personnel Security	0	Default WF 0			\$0.00	\$71,000.00	\$47,000.00	\$118,000.00	\$118,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924327	KA2201090, Other Research	0	Default WF 0			\$0.00	\$14,600.00	\$14,600.00	\$14,600.00	\$14,600.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KJ0000000		C001018	2924134	KJ0401000, Applied Mathematics Research	0	Default WF 0			\$101,496.52	\$0.00	\$0.00	\$0.00	\$101,496.52
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924358	KA2401022, Scientific Computing	0	Default WF 0			\$424,442.87	\$0.00	\$0.00	\$0.00	\$424,442.87
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	3023325	KC0203020, Synthesis and Processing Science	0	Default WF 0			\$280,952.16	\$0.00	\$0.00	\$0.00	\$280,952.16
500	089-X-0222 - Science Primary Fund (was WA)	2019	31003	Other Equi : KB0000000		C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WF 485396			\$1,456,000.00	\$0.00	\$0.00	\$0.00	\$1,456,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2016	25400	Operation : KA0000000		C002852	2924369	KA2501022, Muon Accelerators	0	Default WF 0			\$43,257.33	\$0.00	\$0.00	\$0.00	\$43,257.33
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000		C002853	2924460	KC0301050, DO NOT USE!!! Condensed Phase & Interfacial Molec	0	Default WF 0			\$8.95	\$0.00	\$0.00	\$0.00	\$8.95
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000		C001024	2924216	KP1703020, DO NOT USE!!! Earth System Modeling	0	Default WF 0			\$86,015.98	\$0.00	\$0.00	\$0.00	\$86,015.98
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000		C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WF 0			\$15,541,298.19	\$0.00	\$0.00	\$0.00	\$15,541,298.19
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2923769	KC0201010, Structure Of Materials	0	Default WF 0			\$1,599,104.15	\$0.00	\$0.00	\$0.00	\$1,599,104.15
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924380	KA2601020, National Laboratories	0	Default WF 0			\$2,108,000.00	\$0.00	\$0.00	\$0.00	\$2,108,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	31001	Major Item KA0000000		C002852	2924350	KA2303011, MIE	0	Default WF 4809008			\$409,084.99	-\$409,084.99	\$0.00	-\$409,084.99	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	32001	Constructio : 39KA00000		C002786	2924263	39KA00000PRN11SC40000, 11-SC-400 Long Baseline Neutrino Faci	0	Default WF 0			\$953,904.10	\$0.00	\$0.00	\$0.00	\$953,904.10
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major Item KA0000000		C002852	2924320	KA2103011, MIE	0	Default WF 485498			\$18,525,630.59	\$0.00	\$0.00	\$0.00	\$18,525,630.59
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KL0000000		C001021	2924407	KL1002000, Community College Internship Program	0	Default WF 0			\$83,278.51	\$0.00	-\$20,000.00	-\$20,000.00	\$63,278.51
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KA0000000		C002852	2924363	KA2403013, Other Projects	0	Default WF 0			\$160.35	\$0.00	\$0.00	\$0.00	\$160.35
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000		C001024	2924200	KP1601010, Foundational Genomics Research	0	Default WF 0			\$1,344,931.41	\$0.00	\$0.00	\$0.00	\$1,344,931.41
500	089-X-0222 - Science Primary Fund (was WA)	2005	25400	Operation : KA0000000		C002852	2923681	KA1102812, Proton Facilities - Chng in Inventories, Common U	0	Default WF 0			\$250,000.00	\$0.00	\$0.00	\$0.00	\$250,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924346	KA2301020, National Laboratories	0	Default WF 0			\$482,872.27	\$0.00	\$0.00	\$0.00	\$482,872.27
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KP0000000		C001024	2924995	KP1703000, Earth and Environmental Systems Modeling	0	Default WF 0			\$576,349.41	\$0.00	\$0.00	\$0.00	\$576,349.41
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KL0000000		C001021	2924408	KL1003000, Visiting Faculty Program	0	Default WF 0			\$450,000.00	\$0.00	\$0.00	\$0.00	\$450,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000		C001009	2923733	KB0201021, Heavy Ion, RHIC Research	0	Default WF 0			\$2,033,870.73	\$0.00	\$0.00	\$0.00	\$2,033,870.73
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000		C001009	2923736	KB0202011, Heavy Ion, RHIC Accelerator Operations	0	Default WF 0			\$17,768,332.51	\$0.00	\$0.00	\$0.00	\$17,768,332.51
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924245	KC0403050, Center for Integrated Nanotechnologies SNL LANL	0	Default WF 0			\$16,414.96	\$0.00	\$0.00	\$0.00	\$16,414.96
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000		C001009	2923737	KB0202012, Heavy Ion, RHIC Experimental Support	0	Default WF 0			\$0.00	\$6,000,000.00	\$3,010,000.00	\$9,010,000.00	\$9,010,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924317	KA2102021, ATLAS Detector and Computing Support	0	Default WF 0			\$0.00	\$3,479,000.00	\$2,029,000.00	\$5,508,000.00	\$5,508,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924325	KA2201020, National Laboratories	0	Default WF 0			\$0.00	\$901,000.00	\$525,000.00	\$1,426,000.00	\$1,426,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32001	Constructio : 39KA00000		C002786	2924263	39KA00000PRN11SC40000, 11-SC-400 Long Baseline Neutrino Faci	0	Default WF 0			\$0.00	\$800,000.00	\$0.00	\$800,000.00	\$800,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000		C000984	2923653	FS1002000, Security Systems	0	Default WF 0			\$0.00	\$108,000.00	\$71,000.00	\$179,000.00	\$179,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KB0000000		C001009	2924156	KB0201052, Heavy Ion Accelerator R&D Natl Lab Research	0	Default WF 0			\$22,920.38	\$0.00	\$0.00	\$0.00	\$22,920.38
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924294	KC0202040, Mechanical Behavior and Radiation Effects	0	Default WF 0			\$47,205.83	\$0.00	\$0.00	\$0.00	\$47,205.83
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000		C002852	2924319	KA2102090, Other Facilities	0	Default WF 0			\$310.62	\$0.00	\$0.00	\$0.00	\$310.62
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924241	KC0403010, Center for Nanoscale Materials ANL	0	Default WF 0			\$16,414.96	\$0.00	\$0.00	\$0.00	\$16,414.96
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924506	KC0202031, Theoretical Condensed Matter Physics	0	Default WF 0			\$950,597.90	\$0.00	\$0.00	\$0.00	\$950,597.90
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924366	KA2501012, National Laboratories	0	Default WF 302557			\$78,400.00	\$0.00	\$0.00	\$0.00	\$78,400.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924193	KC0307010, Energy Frontier Research Centers EFRCS	0	Default WF 0			\$2,087,130.00	\$0.00	\$0.00	\$0.00	\$2,087,130.00
500																	

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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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	:KA0000000	C002852	2924327	KA2201090, Other Research	0	Default WFO	Default Loc		\$212,714.88	\$0.00	\$0.00	\$0.00	\$212,714.88
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	:KP0000000	C001024	2924203	KP1601040, Computational Biosciences	0	Default WFO	Default Loc		\$2,330,000.00	\$0.00	\$0.00	\$0.00	\$2,330,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation	:KA0000000	C002852	2923681	KA1102812, Proton Facilities - Chng in Inventories, Common U	0	Default WFO	Default Loc		\$422,791.27	\$0.00	\$0.00	\$0.00	\$422,791.27
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation	:KB0000000	C001009	2923741	KB0281011, Nuclear Physics - RHIC	0	Default WFO	Default Loc		\$7,107.43	\$0.00	\$0.00	\$0.00	\$7,107.43
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation	:KJ0000000	C001018	2924137	KJ0404000, Next Generation Networking for Science	0	Default WFO	Default Loc		\$1,761.52	\$0.00	\$0.00	\$0.00	\$1,761.52
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	:KA0000000	C002852	2924371	KA2501032, National Laboratories	0	Default WFO	Default Loc		\$0.00	\$193,000.00	\$112,000.00	\$305,000.00	\$305,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	:KC0000000	C002853	2924233	KC0401040, National Synchrotron Light Source II BNL	0	Default WFO	Default Loc		\$0.00	\$16,115,000.00	\$9,039,000.00	\$25,154,000.00	\$25,154,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32001	Constructio	39KG01000	C003227	2924984	39KG01000PRN19SC71000, 19-SC-71000 Science User Support Cent	0	Default WFO	Default Loc		\$0.00	\$994,700.00	\$554,400.00	\$1,549,100.00	\$1,549,100.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	:KA0000000	C002852	2924357	KA2401021, Scientific Discovery through Advanced Computing	0	Default WFO	Default Loc		\$0.00	\$28,000.00	\$16,000.00	\$44,000.00	\$44,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	:KC0000000	C002853	2924506	KC0202031, Theoretical Condensed Matter Physics	0	Default WFO	Default Loc		\$0.00	\$297,000.00	\$331,000.00	\$628,000.00	\$628,000.00
510	089-X-0222 - Science Reimbursable Work Technology Transf	2019	25400	Operation	:456100000	C003005	6600199	456165021, Cooperative Research And Development Agreements	4861091	CHAGRRIKI	Default Loc		\$126,259.91	\$0.00	-\$21,063.96	-\$21,063.96	\$105,195.95
510	089-X-0222 - Science Reimbursable Work Technology Transf	2020	25400	Operation	:456100000	C003005	6600199	456165021, Cooperative Research And Development Agreements	4861091	CHAGRRIKI	Default Loc		\$0.00	\$241,289.30	-\$117,805.28	\$123,484.02	\$123,484.02
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861158	CHAGR844	Default Loc		\$6,021.68	\$0.00	\$0.00	\$0.00	\$6,021.68
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861075	CHAGR843	Default Loc		\$2,569.90	\$0.00	\$0.00	\$0.00	\$2,569.90
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861088	CHAGR843	Default Loc		\$10,045.33	\$0.00	-\$10,045.33	-\$10,045.33	\$0.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861128	CHAGR844	Default Loc		\$72,436.83	\$0.00	\$0.00	\$0.00	\$72,436.83
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861072	CHAGR842	Default Loc		\$2,578.06	\$0.00	\$0.00	\$0.00	\$2,578.06
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861130	CHAGR844	Default Loc		\$443,163.35	\$0.00	\$0.00	\$0.00	\$443,163.35
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861023	CHAGR840	Default Loc		\$0.00	\$30,270.21	\$0.00	\$30,270.21	\$30,270.21
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861139	AGR84417	Default Loc		\$0.00	\$7,194.75	\$19,569.80	\$26,764.55	\$26,764.55
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861162	CHAGR844	Default Loc		\$0.00	\$3,806.97	-\$3,523.60	\$283.37	\$283.37
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861178	CHAGR844	Default Loc		\$46,593.37	\$0.00	\$0.00	\$0.00	\$46,593.37
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4860936	CHAGR872	Default Loc		\$7,788.29	\$0.00	\$0.00	\$0.00	\$7,788.29
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4860946	CHAGR873	Default Loc		\$702.48	\$0.00	\$0.00	\$0.00	\$702.48
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861121	CHAGR844	Default Loc		\$121,934.75	\$0.00	\$0.00	\$0.00	\$121,934.75
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861165	CHAGR844	Default Loc		\$473.59	\$0.00	\$0.00	\$0.00	\$473.59
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861135	CHAGR844	Default Loc		\$57,129.44	\$0.00	\$0.00	\$0.00	\$57,129.44
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861173	CHAGR844	Default Loc		\$517.07	\$0.00	\$0.00	\$0.00	\$517.07
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861163	CHAGR844	Default Loc		\$5,557.10	\$0.00	\$0.00	\$0.00	\$5,557.10
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861145	CHAGR844	Default Loc		\$12,149.46	\$0.00	\$0.00	\$0.00	\$12,149.46
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861187	CHAGR844	Default Loc		\$0.00	\$40,000.00	\$0.00	\$40,000.00	\$40,000.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861160	CHAGR844	Default Loc		\$0.00	\$4,284.38	\$22,853.21	\$27,137.59	\$27,137.59
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861115	CHAGR843	Default Loc		\$0.00	\$1,329.23	\$0.00	\$1,329.23	\$1,329.23
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861191	CHAGR844	Default Loc		\$0.00	\$27,751.05	\$0.00	\$27,751.05	\$27,751.05
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4860936	CHAGR872	Default Loc		\$0.00	\$0.00	\$2,211.71	\$2,211.71	\$2,211.71
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861198	CHAGR844	Default Loc		\$0.00	\$0.00	\$8,325.31	\$8,325.31	\$8,325.31
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2017	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861015	CHAGR840	Default Loc		\$581,487.16	-\$581,743.15	\$0.00	-\$581,743.15	-\$255.99
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861089	CHAGR843	Default Loc		\$309.19	-\$309.19	\$0.00	-\$309.19	\$0.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861138	AGR84416	Default Loc		\$1,730.51	-\$1,730.51	\$0.00	-\$1,730.51	\$0.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CHAGR87E	Default Loc		\$50,485.44	\$0.00	\$0.00	\$0.00	\$50,485.44
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861068	CHAGR842	Default Loc		\$16,735.45	\$0.00	\$0.00	\$0.00	\$16,735.45
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861063	CHAGR842	Default Loc		\$9,628.13	\$0.00	\$0.00	\$0.00	\$9,628.13
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861177	CHAGR844	Default Loc		\$13,333.00	\$0.00	\$0.00	\$0.00	\$13,333.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861120	CHAGR843	Default Loc		\$16,921.32	\$0.00	\$0.00	\$0.00	\$16,921.32
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861160	CHAGR844	Default Loc		\$23,324.26	\$0.00	\$0.00	\$0.00	\$23,324.26
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861157	CHAGR844	Default Loc		\$37,812.96	\$0.00	\$0.00	\$0.00	\$37,812.96
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861133	CHAGR844	Default Loc		\$0.00	\$15,797.67	\$10,226.58	\$26,024.25	\$26,024.25
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861161	CHAGR844	Default Loc		\$0.00	\$11,100.42	\$0.00	\$11,100.42	\$11,100.42
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861120	CHAGR843	Default Loc		\$0.00	\$88,543.68	\$0.00	\$88,543.68	\$88,543.68
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861159	CHAGR844	Default Loc		\$0.00	\$20,187.95	\$5,990.63	\$26,178.58	\$26,178.58
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861076	CHAGR843	Default Loc		\$265,095.87	\$0.00	\$0.00	\$0.00	\$265,095.87
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861179	CHAGR844	Default Loc		\$20,000.00	\$0.00	\$0.00	\$0.00	\$20,000.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861065	CHAGR842	Default Loc		\$128,364.60	\$0.00	\$0.00	\$0.00	\$128,364.60
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861052	CHAGR841	Default Loc		\$10,408,626.62	\$0.00	\$0.00	\$0.00	\$10,408,626.62
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861193	CHAGR840	Default Loc		\$0.00	\$25,862.00	\$0.00	\$25,862.00	\$25,862.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861181	CHAGR844	Default Loc		\$0.00	\$44,271.84	\$0.00	\$44,271.84	\$44,271.84
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861201	CHAGR844	Default Loc		\$0.00	\$0.00	\$46,601.94	\$46,601.94	\$46,601.94
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861184	CHAGR844	Default Loc		\$23,335.70	\$0.00	\$0.00	\$0.00	\$23,335.70
511	089-X-0222 - Science Reimb																

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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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861099	CHAGR843 0	Default Loc		\$98,452.58	\$0.00	\$0.00	\$0.00	\$98,452.58
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861163	CHAGR844 0	Default Loc		\$0.00	\$3,322.33	\$5,879.95	\$9,202.28	\$9,202.28
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861098	CHAGR843 0	Default Loc		\$0.00	\$1,048.54	\$3,062.35	\$4,110.89	\$4,110.89
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861128	CHAGR844 0	Default Loc		\$0.00	\$1,452.21	\$885.29	\$2,337.50	\$2,337.50
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861090	CHAGR843 0	Default Loc		\$29,453.57	\$0.00	\$0.00	\$0.00	\$29,453.57
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861079	CHAGR843 0	Default Loc		\$41,439.06	\$0.00	\$0.00	\$0.00	\$41,439.06
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861174	CHAGR844 0	Default Loc		\$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861053	CHAGR842 0	Default Loc		\$6,766.57	\$0.00	\$0.00	\$0.00	\$6,766.57
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861107	CHAGR843 0	Default Loc		\$17,624.33	\$0.00	\$0.00	\$0.00	\$17,624.33
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861144	CHAGR844 0	Default Loc		\$3,427.80	\$0.00	\$0.00	\$0.00	\$3,427.80
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861023	CHAGR840 0	Default Loc		\$59,729.79	\$0.00	\$0.00	\$0.00	\$59,729.79
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861100	CHAGR843 0	Default Loc		\$10,900.53	\$0.00	\$0.00	\$0.00	\$10,900.53
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CH AGR878 0	Default Loc		\$50,485.44	\$0.00	\$0.00	\$0.00	\$50,485.44
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4860984	CHAGR840 0	Default Loc		\$67.81	\$0.00	\$0.00	\$0.00	\$67.81
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2016	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4860871	CHAGR872 0	Default Loc		\$13,578.50	\$0.00	\$0.00	\$0.00	\$13,578.50
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861114	CHAGR843 0	Default Loc		\$1,896.61	\$0.00	\$0.00	\$0.00	\$1,896.61
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861102	CHAGR843 0	Default Loc		\$1,020.18	-\$1,020.18	\$0.00	-\$1,020.18	\$0.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861164	CHAGR844 0	Default Loc		\$4,583.97	\$0.00	-\$4,583.34	-\$4,583.34	\$0.63
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861186	CHAGR844 0	Default Loc		\$0.00	\$11,178.00	\$0.00	\$11,178.00	\$11,178.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861104	CHAGR843 0	Default Loc		\$0.00	\$25,335.35	\$6,225.72	\$31,561.07	\$31,561.07
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861175	CHAGR844 0	Default Loc		\$0.00	\$29,126.22	\$0.00	\$29,126.22	\$29,126.22
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861052	CHAGR841 0	Default Loc		\$0.00	\$429,191.38	\$455,812.68	\$885,004.06	\$885,004.06
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861195	CHAGR844 0	Default Loc		\$0.00	\$0.00	\$55,502.59	\$55,502.59	\$55,502.59
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861197	CHAGR844 0	Default Loc		\$0.00	\$0.00	\$8,325.31	\$8,325.31	\$8,325.31
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861151	CHAGR844 0	Default Loc		\$222,250.56	\$0.00	\$0.00	\$0.00	\$222,250.56
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4860969	CHAGR873 0	Default Loc		\$194,172.07	\$0.00	\$0.00	\$0.00	\$194,172.07
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861170	CHAGR844 0	Default Loc		\$22,135.92	\$0.00	\$0.00	\$0.00	\$22,135.92
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861175	CHAGR844 0	Default Loc		\$30,694.87	\$0.00	\$0.00	\$0.00	\$30,694.87
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861133	CHAGR844 0	Default Loc		\$25,432.08	\$0.00	\$0.00	\$0.00	\$25,432.08
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861161	CHAGR844 0	Default Loc		\$33,419.95	\$0.00	\$0.00	\$0.00	\$33,419.95
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861032	CHAGR841 0	Default Loc		\$7,756.88	\$0.00	\$0.00	\$0.00	\$7,756.88
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861109	CHAGR843 0	Default Loc		\$666.73	\$0.00	\$0.00	\$0.00	\$666.73
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861182	CHAGR844 0	Default Loc		\$21,667.00	\$0.00	\$0.00	\$0.00	\$21,667.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861135	CHAGR844 0	Default Loc		\$0.00	\$221,359.20	\$0.00	\$221,359.20	\$221,359.20
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861190	CHAGR844 0	Default Loc		\$0.00	\$11,250.00	\$5,042.39	\$16,292.39	\$16,292.39
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861189	CHAGR844 0	Default Loc		\$0.00	\$26,747.57	\$0.00	\$26,747.57	\$26,747.57
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861192	CHAGR844 0	Default Loc		\$0.00	\$44,271.84	\$0.00	\$44,271.84	\$44,271.84
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861177	CHAGR844 0	Default Loc		\$0.00	\$0.00	\$35,881.68	\$35,881.68	\$35,881.68
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2017	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CH AGR878 0	Default Loc		\$13,862.87	\$0.00	\$0.00	\$0.00	\$13,862.87
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861139	AGR84417 0	Default Loc		\$54,055.25	\$0.00	\$0.00	\$0.00	\$54,055.25
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861159	CHAGR844 0	Default Loc		\$7,622.05	\$0.00	\$0.00	\$0.00	\$7,622.05
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861075	CHAGR843 0	Default Loc		\$149.96	\$0.00	\$0.00	\$0.00	\$149.96
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2014	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4860871	CHAGR872 0	Default Loc		\$70,159.64	\$0.00	\$0.00	\$0.00	\$70,159.64
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861098	CHAGR843 0	Default Loc		\$31,889.11	\$0.00	\$0.00	\$0.00	\$31,889.11
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Foreign	4861167	CHAGR844 0	Default Loc		\$3,229.20	\$0.00	\$0.00	\$0.00	\$3,229.20
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861134	CHAGR844 0	Default Loc		\$166,471.93	\$0.00	\$0.00	\$0.00	\$166,471.93
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861136	CHAGR844 0	Default Loc		\$20,035.01	\$0.00	\$0.00	\$0.00	\$20,035.01
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861022	CHAGR841 0	Default Loc		\$176,129.53	\$0.00	\$0.00	\$0.00	\$176,129.53
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861104	CHAGR843 0	Default Loc		\$61,831.65	\$0.00	\$0.00	\$0.00	\$61,831.65
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4861196	CHAGR844 0	Default Loc		\$0.00	\$5,000.00	\$1,007.85	\$6,007.85	\$6,007.85
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation	:456100000	C003005	6600053	456140220, Research & Development - Department of Health and	4803492	CH AGRNIH 0	Default Loc		\$455,077.00	\$0.00	\$0.00	\$0.00	\$455,077.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation	:456100000	C003005	6600050	456140196, NASA Other	4860991	CHAGRNNIH 0	Default Loc		\$112,621.36	\$0.00	\$0.00	\$0.00	\$112,621.36
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation	:456100000	C003005	6600073	456140358, Other Federal Agencies	4860852	CHAGR017 0	Default Loc		\$83,084.91	\$0.00	\$0.00	\$0.00	\$83,084.91
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation	:456100000	C003005	6600050	456140196, NASA Other	4860927	CHAGRNNIH 0	Default Loc		\$354.45	\$0.00	\$0.00	\$0.00	\$354.45
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation	:456100000	C003005	6600053	456140220, Research & Development - Department of Health and	4803492	CH AGRNIH 0	Default Loc		\$731,897.00	\$0.00	\$0.00	\$0.00	\$731,897.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation	:456100000	C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860901	CHAGRNNRC 0	Default Loc		\$34,547.10	\$0.00	\$0.00	\$0.00	\$34,547.10
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation	:456100000	C003005	6600096	456140371, Nuclear Regulatory Commission - Nuclear Reactor R	4861126	CHNRC313 0	Default Loc		\$252,639.11	\$0.00	\$0.00	\$0.00	\$252,639.11
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation	:456100000	C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860894	CHAGRNNRC 0							

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0155 [December]
 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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4860979	CHAGRNNJ0		Default Loc	\$7,251,862.99	-\$3,592,233.01	\$0.00	-\$3,592,233.01	\$3,659,629.98
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600100	456140375, Nuclear Regulatory Commission - Commission And St	4860765	CH189N75:0		Default Loc	\$280.57	\$0.00	\$0.00	\$0.00	\$280.57
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation : 456100000		C003005	6600067	456140352, Department of State - U.S. Voluntary Contribution	4860796	CHAGRSIA/0		Default Loc	\$19.78	\$0.00	\$0.00	\$0.00	\$19.78
512	089-X-0222 - Science Reimbursable Work with Other Federa	2011	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regulatory Commission - Nuclear Reactor R	4860532	CH189J4140		Default Loc	\$3,429.21	\$0.00	\$0.00	\$0.00	\$3,429.21
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600066	456140351, Department of State - U.S. Voluntary Contribution	4861012	CHAGR193 0		Default Loc	\$702,340.86	\$0.00	\$0.00	\$0.00	\$702,340.86
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regulatory Commission - Nuclear Reactor R	4861125	CHNRC313 0		Default Loc	\$155,641.60	\$0.00	\$0.00	\$0.00	\$155,641.60
512	089-X-0222 - Science Reimbursable Work with Other Federa	2020	25400	Operation : 456100000		C003005	6600069	456140354, U.S. Agency For International Development USAID	4860930	CHAGRAID0		Default Loc	\$0.00	\$61,056.55	\$0.00	\$61,056.55	\$61,056.55
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4860561	CHAGR9EV0		Default Loc	\$8,737.52	\$0.00	\$0.00	\$0.00	\$8,737.52
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regulatory Commission - Nuclear Reactor R	4860873	CHAGRNR0C		Default Loc	\$882,226.04	\$0.00	\$0.00	\$0.00	\$882,226.04
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860947	CHAGRNR0C		Default Loc	\$1,430.36	\$0.00	\$0.00	\$0.00	\$1,430.36
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600053	456140220, Research & Development - Department of Health and	4803492	CH AGRNIH 0		Default Loc	\$822,752.00	\$0.00	\$0.00	\$0.00	\$822,752.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860657	CH189V61:0		Default Loc	\$29,137.54	\$0.00	\$0.00	\$0.00	\$29,137.54
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860941	CHAGRNR0C		Default Loc	\$26,293.22	\$0.00	\$0.00	\$0.00	\$26,293.22
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860948	CHAGRNR0C		Default Loc	\$93,297.65	\$0.00	\$0.00	\$0.00	\$93,297.65
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600072	456140357, Department of State - Other	4860914	CHAGR193 0		Default Loc	\$260.99	\$0.00	\$0.00	\$0.00	\$260.99
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regulatory Commission - Nuclear Reactor R	4861126	CHNRC313 0		Default Loc	\$302,153.89	\$0.00	\$0.00	\$0.00	\$302,153.89
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600053	456140220, Research & Development - Department of Health and	4860897	CHAGR21 0		Default Loc	\$6,228.29	\$0.00	\$0.00	\$0.00	\$6,228.29
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600066	456140351, Department of State - U.S. Voluntary Contribution	4860970	CHAGR193 0		Default Loc	\$503,880.42	\$0.00	\$0.00	\$0.00	\$503,880.42
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600066	456140351, Department of State - U.S. Voluntary Contribution	4861183	CH1931CP:0		Default Loc	\$11,000,000.00	\$0.00	\$0.00	\$0.00	\$11,000,000.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4860745	CHAGRNNJ0		Default Loc	\$6,224.31	\$0.00	\$0.00	\$0.00	\$6,224.31
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4861169	CHAGR80G0		Default Loc	\$273,330.10	\$0.00	\$0.00	\$0.00	\$273,330.10
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation : 456100000		C003005	6600072	456140357, Department of State - Other	4860914	CHAGR193 0		Default Loc	\$6,708.87	\$0.00	\$0.00	\$0.00	\$6,708.87
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600053	456140220, Research & Development - Department of Health and	4861118	CHAGR1R2 0		Default Loc	\$199,458.49	\$0.00	\$0.00	\$0.00	\$199,458.49
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4861123	CHAGRP18 0		Default Loc	\$81,383.58	\$0.00	\$0.00	\$0.00	\$81,383.58
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4860850	CHAGR201 0		Default Loc	\$193.69	\$0.00	\$0.00	\$0.00	\$193.69
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600053	456140220, Research & Development - Department of Health and	4861180	CHAGRP30 0		Default Loc	\$3,600,000.00	\$0.00	\$0.00	\$0.00	\$3,600,000.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regulatory Commission - Nuclear Reactor R	4860873	CHAGRNR0C		Default Loc	\$129,900.08	\$0.00	\$0.00	\$0.00	\$129,900.08
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600069	456140354, U.S. Agency For International Development USAID	4860930	CHAGRAID0		Default Loc	\$59,493.70	\$0.00	\$0.00	\$0.00	\$59,493.70
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation : 456100000		C003005	6600066	456140351, Department of State - U.S. Voluntary Contribution	4860844	CHAGRSIA/0		Default Loc	\$3,823.49	\$0.00	\$0.00	\$0.00	\$3,823.49
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4861041	CHAGR201 0		Default Loc	\$109.78	\$0.00	\$0.00	\$0.00	\$109.78
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4861069	CHAGR80H0		Default Loc	\$134,939.61	\$0.00	\$0.00	\$0.00	\$134,939.61
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860657	CH189V61:0		Default Loc	\$9,708.74	\$0.00	\$0.00	\$0.00	\$9,708.74
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860697	CH189N67:0		Default Loc	\$67,304.85	\$0.00	-\$67,304.85	-\$67,304.85	\$0.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4861025	CHAGRNNJ0		Default Loc	\$1,494.72	\$0.00	\$0.00	\$0.00	\$1,494.72
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4860843	CHAGR201 0		Default Loc	\$611.68	\$0.00	\$0.00	\$0.00	\$611.68
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regulatory Commission - Nuclear Reactor R	4860776	CH189QBV 0		Default Loc	\$9,993.07	\$0.00	\$0.00	\$0.00	\$9,993.07
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600066	456140351, Department of State - U.S. Voluntary Contribution	4861057	CH1931CP:0		Default Loc	\$1,583,240.81	\$0.00	\$0.00	\$0.00	\$1,583,240.81
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600053	456140220, Research & Development - Department of Health and	4860902	CHAGRP41 0		Default Loc	\$94,589.38	\$0.00	\$0.00	\$0.00	\$94,589.38
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600073	456140358, Other Federal Agencies	3015354	CRAGR084:0		Default Loc	\$194,174.76	\$0.00	\$0.00	\$0.00	\$194,174.76
512	089-X-0222 - Science Reimbursable Work with Other Federa	2012	25400	Operation : 456100000		C003005	6600053	456140220, Research & Development - Department of Health and	4804168	CH AGRY1C0		Default Loc	\$3,309.73	\$0.00	\$0.00	\$0.00	\$3,309.73
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600069	456140354, U.S. Agency For International Development USAID	4860930	CHAGRAID0		Default Loc	\$359,733.49	\$0.00	\$0.00	\$0.00	\$359,733.49
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4860849	CHAGR201 0		Default Loc	\$2,007.03	\$0.00	\$0.00	\$0.00	\$2,007.03
512	089-X-0222 - Science Reimbursable Work with Other Federa	2005	25400	Operation : 456100000		C003005	6600053	456140220, Research & Development - Department of Health and	4803774	CH AGRRW0		Default Loc	\$527,491.57	\$0.00	\$0.00	\$0.00	\$527,491.57
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860760	CH189N69:0		Default Loc	\$13,279.83	\$0.00	\$0.00	\$0.00	\$13,279.83
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860911	CHAGRNR0C		Default Loc	\$72,595.39	\$0.00	\$0.00	\$0.00	\$72,595.39
512	089-X-0222 - Science Reimbursable Work with Other Federa	2007	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4860316	CHAGRNNJ0		Default Loc	\$20,870.32	\$0.00	\$0.00	\$0.00	\$20,870.32
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860724	CH189V61:0		Default Loc	\$3,761.11	\$0.00	\$0.00	\$0.00	\$3,761.11
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4860561	CHAGR9EV0		Default Loc	\$1.29	\$0.00	\$0.00	\$0.00	\$1.29
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4861131	CHAGRER2 0		Default Loc	\$12,305.74	\$0.00	\$0.00	\$0.00	\$12,305.74
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4860942	CHAGRNNJ0		Default Loc	\$181,755.69	\$0.00	\$0.00	\$0.00	\$181,755.69
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4861073	CHAGR80H0		Default Loc	\$144,726.35	\$0.00	\$0.00	\$0.00	\$144,726.35
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4860992	CHAGRNN/0		Default Loc	\$50.71	\$0.00	\$0.00	\$0.00	\$50.71
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4861119	CHAGRP18 0		Default Loc	\$699,896.32	\$0.00	\$0.00	\$0.00	\$699,896.32
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4860561	CHAGR9EV0		Default Loc	\$11,621.01	\$0.00	\$0.00	\$0.00	\$11,621.01
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regulatory Commission - Nuclear Regulator	4860913	CHAGRNR0C		Default Loc	\$151.73	\$0.00	\$0.00	\$0.00	\$151.73
512	089-X-0222 - Science Reimbursable Work with Other Federa	2005	25400	Operation : 456100000		C003005	6600066	456140351, Department of State - U.S. Voluntary Contribution	4806666	CHAGRRW'0		Default Loc	\$394,234.20	\$0.00	\$0.00	\$0.00	\$394,234.20
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4861037	CHAGR17E 0		Default Loc	\$3.72	\$0.00			

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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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4860959	CHAGR201.0			Default Loc \$473.22	\$0.00	\$0.00	\$0.00	\$473.22
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2018	25400	Operation : 456100000		C003005	6600207	456167500, Office of Science SC	4861108	CHAGR843.0			Default Loc \$3,060,444.99	\$0.00	\$0.00	\$0.00	\$3,060,444.99
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2019	25400	Operation : 456100000		C003005	6600207	456167500, Office of Science SC	4861010	CHAGR873.0			Default Loc \$3,138,491.98	\$0.00	\$0.00	\$0.00	\$3,138,491.98
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2020	25400	Operation : 456100000		C003005	6600207	456167500, Office of Science SC	4861108	CHAGR843.0			Default Loc \$0.00	\$485,436.89	\$0.00	\$485,436.89	\$485,436.89
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2019	25400	Operation : 456100000		C003005	6600207	456167500, Office of Science SC	4861108	CHAGR843.0			Default Loc \$3,602,103.30	\$0.00	\$0.00	\$0.00	\$3,602,103.30
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2018	25400	Operation : 456100000		C003005	6600207	456167500, Office of Science SC	4860834	CHAGR872.0			Default Loc \$13,298.02	\$0.00	\$0.00	\$0.00	\$13,298.02
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2019	25400	Operation : 456100000		C003005	6600207	456167500, Office of Science SC	4860823	CHAGR872.0			Default Loc \$35,674.26	\$0.00	\$0.00	\$0.00	\$35,674.26
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2018	25400	Operation : 456100000		C003005	6600207	456167500, Office of Science SC	4860826	CHAGR872.0			Default Loc \$7,745.02	\$0.00	\$0.00	\$0.00	\$7,745.02
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4861073	CHAGR80H.0			Default Loc \$0.00	\$44,660.19	\$0.00	\$44,660.19	\$44,660.19
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation : 456100000		C003005	6600007	456140050, Research & Development - Department of Commerce	4861131	CHAGRER2.0			Default Loc \$0.00	\$69,527.18	\$0.00	\$69,527.18	\$69,527.18
541	089-19/20-0222 ? Science Reimbursable Work with Other Federa	2020	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4860992	CHAGRNN/0			Default Loc \$0.00	\$0.00	\$48,543.69	\$48,543.69	\$48,543.69
541	089-19/20-0222 ? Science Reimbursable Work with Other Federa	2020	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4861207	CHAGR80J.0			Default Loc \$0.00	\$0.00	\$3,592,233.01	\$3,592,233.01	\$3,592,233.01
541	089-19/20-0222 ? Science Reimbursable Work with Other Federa	2020	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other	4861211	CHAGR80G.0			Default Loc \$0.00	\$0.00	\$316,019.42	\$316,019.42	\$316,019.42
674	089-18/19-0228 - DA Primary Fund	2018	25400	Operation : TT0000000		C003093	4500001	TT1020000, Contractual Support Services	0	Default WF0			Default Loc \$9,923.86	\$0.00	\$0.00	\$0.00	\$9,923.86
679	089-15/16-0228 - DA Transfer from USAID (23 USC 2392)	2015	25400	Operation : WA2200000		C001104	2822390	WA2230100, Other Related Expenses - Contractual Services	0	Default WF302064			Climate RE \$40,000.00	\$0.00	\$0.00	\$0.00	\$40,000.00
681	089-14/15-0228 - DA IA Transfer from USAID (23 USC 2392)	2014	25400	Operation : WA2200000		C001104	2822390	WA2230100, Other Related Expenses - Contractual Services	0	Default WF0			Default Loc \$39,548.18	\$0.00	\$0.00	\$0.00	\$39,548.18
692	089-14/15-0228 - DA Primary Fund (P.L. 113-76 FY14)	2014	25400	Operation : WN0000000		C001118	1721222	WN0219060, State and Local Governments and Non-Profit Organi	4860825	CHAGR872.0			Default Loc \$17,728.79	\$0.00	\$0.00	\$0.00	\$17,728.79
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2020	25400	Operation : DP0909000		C002955	2223112	DP0909010, Nuclear Criticality Safety Program	0	Default WF0			Default Loc \$0.00	\$57,300.00	\$31,933.00	\$89,233.00	\$89,233.00
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2014	25400	Operation : DP1204000		C000912	2220743	DP1204010, Secondary Assessment Technologies	0	Default WF0			Default Loc \$836.82	\$0.00	\$0.00	\$0.00	\$836.82
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2014	25400	Operation : DP4000000		C000925	2222480	DP4011093, Nuclear Counterterrorism	0	Default WF0			Default Loc \$2,057.91	\$0.00	\$0.00	\$0.00	\$2,057.91
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2015	25400	Operation : DP8000000		C002982	2222989	DP8000000, Counterterrorism and Counterproliferation Program	0	Default WF0			Default Loc \$1,260.15	\$0.00	\$0.00	\$0.00	\$1,260.15
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2019	25400	Operation : DP0909000		C002955	2223112	DP0909010, Nuclear Criticality Safety Program	0	Default WF0			Default Loc \$35,687.86	\$0.00	\$0.00	\$0.00	\$35,687.86
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2017	25400	Operation : 456100000		C003005	6600072	456140357, Department of State - Other	4860787	CHAGRSIA/0			Default Loc \$0.01	\$0.00	\$0.00	\$0.00	\$0.01
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation : 456100000		C003005	6600072	456140357, Department of State - Other	4860787	CHAGRSIA/0			Default Loc \$849.00	\$0.00	\$0.00	\$0.00	\$849.00
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860915	CHAGRHS0			Default Loc \$11,352.52	\$0.00	\$0.00	\$0.00	\$11,352.52
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2015	25400	Operation : 456100000		C003005	6600014	456140075, Army - Other	4860884	CHAGRW7.0			Default Loc \$34,783.01	\$0.00	\$0.00	\$0.00	\$34,783.01
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4841247	CHAGRHS0			Default Loc \$4,212.25	\$0.00	\$0.00	\$0.00	\$4,212.25
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2015	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860847	CHAGRHS0			Default Loc \$34,200.86	\$0.00	\$0.00	\$0.00	\$34,200.86
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860789	CHAGRHS0			Default Loc \$4,403.81	\$0.00	\$0.00	\$0.00	\$4,403.81
1050	089-X-0243 - Other Defense Activities (ODA) Primary Fund	2018	25400	Operation : HU0000000		C002426	3184709	HU2006100, Occupational Medicine	0	Default WF0			Default Loc \$8.89	\$0.00	\$0.00	\$0.00	\$8.89
1050	089-X-0243 - Other Defense Activities (ODA) Primary Fund	2019	25400	Operation : HQ0000000		C002425	3184701	HQ1001000, Worker Advocacy	0	Default WF0			Default Loc \$67,876.51	\$0.00	\$0.00	\$0.00	\$67,876.51
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861055	CHAGRNC5.0			Default Loc \$300,000.00	\$0.00	\$0.00	\$0.00	\$300,000.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861083	CHAGREAC.0			Default Loc \$22,941.95	\$0.00	\$0.00	\$0.00	\$22,941.95
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861085	CHAGRNR7.0			Default Loc \$996.57	\$0.00	\$0.00	\$0.00	\$996.57
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861051	CHAGRHS0			Default Loc \$149,682.38	\$0.00	\$0.00	\$0.00	\$149,682.38
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861155	CHAGREAC.0			Default Loc \$127,323.50	\$0.00	\$0.00	\$0.00	\$127,323.50
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861166	CHAGRNR7.0			Default Loc \$123,499.49	\$0.00	\$0.00	\$0.00	\$123,499.49
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861117	CHAGRNR0.0			Default Loc \$125,511.81	\$0.00	\$0.00	\$0.00	\$125,511.81
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2015	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860933	CHAGRHS0			Default Loc \$2,147.71	\$0.00	\$0.00	\$0.00	\$2,147.71
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861171	CHAGREAC.0			Default Loc \$174,182.91	\$0.00	\$0.00	\$0.00	\$174,182.91
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861149	CHAGREAC.0			Default Loc \$119,234.20	\$0.00	\$0.00	\$0.00	\$119,234.20
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861152	CHAGRHQ(0			Default Loc \$172,483.51	\$0.00	\$0.00	\$0.00	\$172,483.51
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861143	CHAGR70R.0			Default Loc \$106,799.55	\$0.00	\$0.00	\$0.00	\$106,799.55
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2012	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860789	CHAGRHS0			Default Loc \$1,561.80	\$0.00	\$0.00	\$0.00	\$1,561.80
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860960	CHAGRHS0			Default Loc \$90,000.00	\$0.00	\$0.00	\$0.00	\$90,000.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861150	CHAGREAC.0			Default Loc \$119,804.68	\$0.00	\$0.00	\$0.00	\$119,804.68
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861008	CHAGRHS0			Default Loc \$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861024	CHAGRHS0			Default Loc \$3,598.73	\$0.00	\$0.00	\$0.00	\$3,598.73
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861113	CHAGREAC.0			Default Loc \$3,776.95	\$0.00	\$0.00	\$0.00	\$3,776.95
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861082	CHAGREAC.0			Default Loc \$403.92	\$0.00	\$0.00	\$0.00	\$403.92
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860997	CHAGRHS0			Default Loc \$17,697.10	\$0.00	\$0.00	\$0.00	\$17,697.10
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861110	CH16003D.0			Default Loc \$338.24	\$0.00	\$0.00	\$0.00	\$338.24
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861147	CHAGREAC.0			Default Loc \$				

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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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2015	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860923	CHARGHSHO	Default Loc		\$696.09	\$0.00	\$0.00	\$0.00	\$696.09
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2017	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861005	CHAGRHSO	Default Loc		\$1,122,345.17	\$0.00	\$0.00	\$0.00	\$1,122,345.17
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600109	456140063, Air Force - Other	4861078	CHAGR4FI	Default Loc		\$332.65	\$0.00	\$0.00	\$0.00	\$332.65
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2015	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4860960	CHAGRHSO	Default Loc		\$120,639.12	\$0.00	\$0.00	\$0.00	\$120,639.12
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861129	CHAGR70R	Default Loc		\$30,529.83	\$0.00	\$0.00	\$0.00	\$30,529.83
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861172	CHAGRHSF	Default Loc		\$5,654.21	\$0.00	\$0.00	\$0.00	\$5,654.21
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861095	CHAGREAC	Default Loc		\$261.12	\$0.00	\$0.00	\$0.00	\$261.12
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600038	456140135, DARPA - Other	4861106	CHAGRHR	Default Loc		\$3,607.88	\$0.00	\$0.00	\$0.00	\$3,607.88
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2017	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4861049	CHAGRHSO	Default Loc		\$1,108.00	\$0.00	\$0.00	\$0.00	\$1,108.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation : 456100000		C003005	6600033	456140124, DNA - Other	4861006	CHAGR100	Default Loc		\$2,259.69	\$0.00	\$0.00	\$0.00	\$2,259.69
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation : 456100000		C003005	6600038	456140135, DARPA - Other	4861137	CHAGRHR	Default Loc		\$56,714.69	\$0.00	\$0.00	\$0.00	\$56,714.69
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation : 456100000		C003005	6600084	45614036B, Science and Technology - Other	4842534	CHAGRHSO	Default Loc		\$21,555.93	\$0.00	\$0.00	\$0.00	\$21,555.93
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861055	CHAGRNC	Default Loc		\$299,732.80	\$0.00	\$0.00	\$0.00	\$299,732.80
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation : 456100000		C003005	6600040	456140142, Other DOD Agencies - Other	4861094	CHAGREAC	Default Loc		\$9,985.94	\$0.00	\$0.00	\$0.00	\$9,985.94
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2019	25400	Operation : GD6000000		C002970	3203769	GD6020900, Office of The SCIO	0	Default WFO	Default Loc		\$159,749.68	\$0.00	\$0.00	\$0.00	\$159,749.68
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2017	25400	Operation : GD6000000		C002970	3203779	GD6050100, CYBER & OPERATIONS	0	Default WFO	Default Loc		\$864.41	-\$864.41	\$0.00	-\$864.41	\$0.00
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2018	25400	Operation : GD6000000		C002970	3203764	GD6020400, CI Training	0	Default WFO	Default Loc		\$44,205.46	\$0.00	\$0.00	\$0.00	\$44,205.46
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2020	25400	Operation : GD6000000		C002970	3203761	GD6020100, Analysis	0	Default WFO	Default Loc		\$0.00	\$121,990.00	\$86,310.00	\$208,300.00	\$208,300.00
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2019	25400	Operation : GD6000000		C002970	3203762	GD6020200, Security	0	Default WFO	Default Loc		\$31,594.63	\$0.00	\$0.00	\$0.00	\$31,594.63
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2019	25400	Operation : GD6000000		C002970	3203761	GD6020100, Analysis	0	Default WFO	Default Loc		\$178,271.45	\$0.00	\$0.00	\$0.00	\$178,271.45
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2019	25400	Operation : GD6000000		C002970	3203763	GD6020300, Investigations	0	Default WFO	Default Loc		\$506,503.22	\$0.00	\$0.00	\$0.00	\$506,503.22
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2018	25400	Operation : GD6000000		C002970	3203780	GD6050200, Technical Services	0	Default WFO	Default Loc		\$147.49	\$0.00	\$0.00	\$0.00	\$147.49
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2020	25400	Operation : GD6000000		C002970	3203763	GD6020300, Investigations	0	Default WFO	Default Loc		\$0.00	\$489,640.00	\$272,900.00	\$762,540.00	\$762,540.00
1071	089-19/20-0243 - ODA Reimbursable Work with Other Federal Ag	2020	25400	Operation : 456100000		C003005	6600109	456140063, Air Force - Other	4861188	CHAGR4FI	Default Loc		\$0.00	\$14,563.11	\$0.00	\$14,563.11	\$14,563.11
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation : NN2000000		C001052	2221132	NN2001000, Nonproliferation Detection	0	Default WFO	Default Loc		\$1.79	\$0.00	\$0.00	\$0.00	\$1.79
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation : DN1003000		C003036	2223063	DN1003011, U.S. Costs for Russia Newly Independent State Pro	0	Default WFO	Default Loc		\$77,831.19	\$0.00	\$0.00	\$0.00	\$77,831.19
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN2010000		C003118	2223180	DN2010000, Proliferation Detection R&D	0	Default WFO	Default Loc		\$326,796.72	\$0.00	\$0.00	\$0.00	\$326,796.72
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN1003000		C003036	2223063	DN1003011, U.S. Costs for Russia Newly Independent State Pro	0	Default WFO	Default Loc		\$0.00	\$190,643.66	\$0.00	\$190,643.66	\$190,643.66
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN4000000		C003042	2223096	DN4001030, Safeguards Technology Development	0	Default WFO	Default Loc		\$0.00	\$61,688.72	\$30,111.28	\$91,800.00	\$91,800.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223096	DN4001030, Safeguards Technology Development	0	Default WFO	Default Loc		\$540,094.18	\$0.00	\$0.00	\$0.00	\$540,094.18
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223106	DN4004040, Policy Studies and Support	0	Default WFO	Default Loc		\$56,502.85	\$0.00	\$0.00	\$0.00	\$56,502.85
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223101	DN4003010, Warhead Dismantlement and Fissile Material Transp	0	Default WFO	Default Loc		\$9,981.33	\$0.00	\$0.00	\$0.00	\$9,981.33
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : CT0000000		C003007	2223014	CT8101000, Nuclear Incident Policy and Cooperation	0	Default WFO	Default Loc		\$15,000.00	\$0.00	\$0.00	\$0.00	\$15,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation : DN2000000		C003038	2223154	DN2006000, USHPRR	0	Default WFO	Default Loc		\$2.37	\$0.00	\$0.00	\$0.00	\$2.37
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation : DN1001000		C003034	2223049	DN1001011, U.S. Costs for Russia Newly Independent State Pro	0	Default WFO	Default Loc		\$139,186.91	\$0.00	\$0.00	\$0.00	\$139,186.91
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation : DN2000000		C003038	2223076	DN2001000, Proliferation Detection	0	Default WFO	Default Loc		\$2,727.18	\$0.00	\$0.00	\$0.00	\$2,727.18
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223102	DN4003020, Nuclear Noncompliance Verification	0	Default WFO	Default Loc		\$140,079.81	\$0.00	\$0.00	\$0.00	\$140,079.81
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223095	DN4001020, Safeguards Engagement INSEP	0	Default WFO	Default Loc		\$264,643.88	\$0.00	\$0.00	\$0.00	\$264,643.88
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation : NN4000000		C001056	2222717	NN4009010, Safeguards Policy and Human Resources	0	Default WFO	Default Loc		\$0.89	\$0.00	\$0.00	\$0.00	\$0.89
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation : NN5000000		C001058	2221240	NN5004010, U.S. Costs for Russia Newly Independent States Pr	0	Default WFO	Default Loc		\$2,916.33	\$0.00	\$0.00	\$0.00	\$2,916.33
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation : NN5000000		C001058	2221235	NN5002020, In-Country Costs for Russia Newly Independent Sta	0	Default WFO	Default Loc		\$728,917.12	\$0.00	\$0.00	\$0.00	\$728,917.12
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN1005000		C003088	2223152	DN1005010, Domestic Radiological Security	0	Default WFO	Default Loc		\$185,729.08	\$0.00	\$0.00	\$0.00	\$185,729.08
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN4000000		C003042	2223105	DN4004030, Multilateral Supplier Policy	0	Default WFO	Default Loc		\$0.00	\$7,257.50	\$3,542.50	\$10,800.00	\$10,800.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2016	25400	Operation : DN4000000		C003042	2223105	DN4004030, Multilateral Supplier Policy	0	Default WFO	Default Loc		\$68,067.39	\$0.00	\$0.00	\$0.00	\$68,067.39
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN1006000		C003089	2223153	DN1006010, International Radiological Security	0	Default WFO	Default Loc		\$24,365.89	\$0.00	\$0.00	\$0.00	\$24,365.89
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2016	25400	Operation : DN1001000		C003034	2223053	DN1001021, U.S. Costs for Russia Newly Independent State Pro	0	Default WFO	Default Loc		\$288,345.44	\$0.00	\$0.00	\$0.00	\$288,345.44
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN4000000		C003042	2223210	DN4001050, Safeguards Crosscutting	0	Default WFO	Default Loc		\$0.00	\$40,000.00	\$22,100.00	\$62,100.00	\$62,100.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : CT0000000		C003007	2223023	CT8404010, Evaluation, Exercise, Readiness, and Response Sup	0	Default WFO	Default Loc		\$0.00	\$0.00	\$9,000.00	\$9,000.00	\$9,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223103	DN4004010, Global Regimes	0	Default WFO	Default Loc		\$179,045.00	\$0.00	\$0.00	\$0.00	\$179,045.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation : NN5000000		C001058	2221234	NN5002010, U.S. Costs for Russia Newly Independent States Pr	0	Default WFO	Default Loc		\$18,170.30	\$0.00	\$0.00	\$0.00	\$18,170.30
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation : CT0000000		C003007	2223014	CT8101000, Nuclear Incident Policy and Cooperation	0	Default WFO	Default Loc		\$41,561.96	\$0.00	\$0.00	\$0.00	\$41,561.96
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation : NN4000000		C001056	2222733	NN4012040, Policy Studies and Support	0	Default WFO	Default Loc		\$1.95	\$0.00	\$0.00	\$0.00	\$1.95
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : CT0000000		C003007	2223020	CT8401000, Radiological Assistance Program RAP	0	Default WFO	Default Loc		\$415,188.51	\$0.00	\$0.00	\$0.00	\$415,188.51
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN2012000		C003120	2223182	DN2012010, U.S. High Performance Research Reactor-USHPRR	0	Default WFO	Default Loc		\$0.00	\$75,000.00	\$0.00	\$75,000.00	\$75,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223094	DN4001010, Safeguards Policy	0	Default WFO	Default Loc		\$300,960.59	\$0.00	\$0.00	\$0.00	\$300,960.59
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN2012000		C003120	2223182	DN2012010, U.S. High Performance Research Reactor-USHPRR	0	Default WFO	Default Loc		\$10,019.78	\$0.00	\$0.00	\$0.00	\$10,019.78
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : CT0000000		C003007	2223023	CT8404010, Evaluation, Exercise, Readiness, and Response Sup	0	Default WFO	Default Loc		\$2,159.62	\$0.00	\$0.00	\$0.00	\$2,159.62
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN1003000		C003036	2223063	DN1003011, U.S. Costs for Russia Newly Independent State Pro	0	Default WFO	Default Loc		\$300,411.24	\$0.00	\$0.00	\$0.00	\$300,411.24
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : CT0000000		C003007	2223144	CT8000000, NA-80 CTCP	0	Default WFO	Default Loc		\$56,005.95	\$0.00	\$0.00	\$0.00	\$56,005.95
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN400													

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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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation : DN4000000		C003042	2223103	DN4004010, Global Regimes	0	Default WFO			\$752.78	\$0.00	\$0.00	\$0.00	\$752.78
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN4000000		C003042	2223102	DN4003020, Nuclear Noncompliance Verification	0	Default WFO			\$0.00	\$85,062.96	\$39,900.04	\$124,963.00	\$124,963.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation : DN4000000		C003042	2223095	DN4001020, Safeguards Engagement INSEP	0	Default WFO			\$0.00	\$113,942.72	\$57,694.28	\$171,637.00	\$171,637.00
1557	089-X-0309 - DNN Second Line of Defense International Co	2012	25400	Operation : NN5000000		C001058	2222290	NN5010000, International Contributions UK	0	Default WFO			\$39,192.22	\$0.00	\$0.00	\$0.00	\$39,192.22
1650	089-X-0313 - Federal Salaries and Expenses (OA) (was AD)	2010	25400	Operation : PS0000000		C001075	2221514	PS0202132, Advisory and Assistance, Diversity Programs	0	Default WFO			\$31,245.57	\$0.00	\$0.00	\$0.00	\$31,245.57
1689	089-14/15-0313 - Federal Salaries and Expenses (P.L. 113-76	2014	25400	Operation : PS0000000		C001075	2222565	PS0202200, A&A, Counterterrorism	0	Default WFO			\$2,021.13	\$0.00	\$0.00	\$0.00	\$2,021.13
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2015	25400	Operation : EZ5000000		C002226	1110981	EZ5012300 - BRNL-0030 Soil and Water Remediation - Brookhave	0	Default WFO			\$47.62	\$0.00	\$0.00	\$0.00	\$47.62
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2018	25400	Operation : EZ5000000		C002226	1110983	EZ5012410 - BRNL-0041 Nuclear Facility Decontamination and D	0	Default WFO			\$197,200.35	\$0.00	\$0.00	\$0.00	\$197,200.35
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2013	25400	Operation : EZ5000000		C002226	1110981	EZ5012300 - BRNL-0030 Soil and Water Remediation - Brookhave	0	Default WFO			\$108,184.59	\$0.00	\$0.00	\$0.00	\$108,184.59
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2720718	ST6001020, Brookhaven Linear Isotope Producer BLIP	0	Default WFO			\$569,438.47	\$175,000.00	\$283,000.00	\$458,000.00	\$1,027,438.47
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2720714	ST5001020, Brookhaven Linear Isotope Producer BLIP	0	Default WFO			\$350,000.00	\$0.00	\$0.00	\$0.00	\$350,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation : ST0000000		C001087	2720716	ST5002000, University Research	0	Default WFO			\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$30,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation : ST0000000		C001087	2720716	ST5002000, University Research	0	Default WFO			\$10,768.67	\$0.00	\$0.00	\$0.00	\$10,768.67
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation : ST0000000		C001087	2924281	ST6001034, Facility Upgrades	0	Default WFO			\$201,258.53	\$0.00	\$0.00	\$0.00	\$201,258.53
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation : ST0000000		C001087	2720714	ST5001020, Brookhaven Linear Isotope Producer BLIP	0	Default WFO			\$259,374.42	\$0.00	\$0.00	\$0.00	\$259,374.42
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation : ST0000000		C001087	2924280	ST6001032, Hot Cell and Other National Lab Facilities	0	Default WFO			\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$100,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation : ST0000000		C001087	2720718	ST6001020, Brookhaven Linear Isotope Producer BLIP	0	Default WFO			\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$100,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	32003	Accelerato: ST0000000		C001087	2924281	ST6001034, Facility Upgrades	0	Default WF 485395	CHAIP		\$1,466,518.90	\$0.00	\$0.00	\$0.00	\$1,466,518.90
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2720715	ST5001030, Other National Lab Research	0	Default WFO			\$387,993.08	\$200,000.00	\$200,000.00	\$400,000.00	\$787,993.08
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2016	25400	Operation : ST0000000		C001087	2924282	ST6001036, Technical Services	0	Default WFO			\$18,396.78	\$0.00	\$0.00	\$0.00	\$18,396.78
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation : ST0000000		C001087	2720715	ST5001030, Other National Lab Research	0	Default WFO			\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$100,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2924306	ST6001031, Production	0	Default WFO			\$5,447,419.38	\$0.00	\$0.00	\$0.00	\$5,447,419.38
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation : ST0000000		C001087	2924424	ST5001040, Actinium-225 Technology Research and Integration	0	Default WFO			\$795,949.65	\$0.00	\$0.00	\$0.00	\$795,949.65
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2924424	ST5001040, Actinium-225 Technology Research and Integration	0	Default WFO			\$323,000.00	\$0.00	\$0.00	\$0.00	\$323,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2924280	ST6001032, Hot Cell and Other National Lab Facilities	0	Default WFO			\$1,104,187.68	\$540,000.00	\$500,000.00	\$1,040,000.00	\$2,144,187.68
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation : TE1300000		C002800	3123803	TE1301000, Cyber for Energy Security R&D	0	Default WFO			\$356.54	\$0.00	\$0.00	\$0.00	\$356.54
5300	089-X-0318 - Electricity Delivery	2018	25400	Operation : TE1200000		C002799	3123811	TE1205000, Resilient Electric Distribution Grid R&D	0	Default WFO			\$41,767.81	\$0.00	\$0.00	\$0.00	\$41,767.81
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation : TE1200000		C002799	3123809	TE1203000, Advance Distribution Management System	0	Default WFO			\$621.94	\$0.00	\$0.00	\$0.00	\$621.94
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1300000		C002800	3123815	TE1305000, Virtual Energy Sector Forensics Analysis Platform	0	Default WFO			\$117.37	\$0.00	\$0.00	\$0.00	\$117.37
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TF0000000		C002802	3123796	TF0000000, Transmission Permitting and Technical Assistance	0	Default WFO			\$121.66	\$0.00	\$0.00	\$0.00	\$121.66
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1200000		C002799	3123810	TE1204000, Dynamic Controls & Communications	0	Default WFO			\$205.91	\$0.00	\$0.00	\$0.00	\$205.91
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation : TE1400000		C002801	3123795	TE1400000, Energy Storage Research	0	Default WFO			\$260.97	\$0.00	\$0.00	\$0.00	\$260.97
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1200000		C002799	3123812	TE1206000, Advanced Secure Sensors High Fidelity Low Cost	0	Default WFO			\$22.70	\$0.00	\$0.00	\$0.00	\$22.70
5300	089-X-0318 - Electricity Delivery	2019	25400	Operation : TE1100000		C002798	3123785	TE1103000, Advanced Modeling Grid Research	0	Default WFO			\$1,400,000.00	\$0.00	\$0.00	\$0.00	\$1,400,000.00
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1100000		C002798	3123789	TE1101000, Transmission Reliability & Renewables Integration	0	Default WFO			\$136.88	\$0.00	\$0.00	\$0.00	\$136.88
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1100000		C002798	3123802	TE1104000, Energy Systems Predictive Capability	0	Default WFO			\$128,941.30	\$0.00	\$0.00	\$0.00	\$128,941.30
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1200000		C002799	3123792	TE1201000, Smart Grid	0	Default WFO			\$2,262.82	\$0.00	\$0.00	\$0.00	\$2,262.82
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation : TE1100000		C002798	3123816	TE1104010, Monitoring and Real-Time Analysis	0	Default WFO			\$12,301.98	\$0.00	\$0.00	\$0.00	\$12,301.98
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1300000		C002800	3123804	TE1302000, Cyber for Energy Security OPS	0	Default WFO			\$200.26	\$0.00	\$0.00	\$0.00	\$200.26
5300	089-X-0318 - Electricity Delivery	2018	25400	Operation : TE1100000		C002798	3123785	TE1103000, Advanced Modeling Grid Research	0	Default WFO			\$264,522.58	\$0.00	\$0.00	\$0.00	\$264,522.58
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2017	25400	Operation : AF5800000		C000822	2720965	AF5861010, Spent Fuel and Waste Disposition Program Manageme	0	Default WFO			\$740.20	\$0.00	\$0.00	\$0.00	\$740.20
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : NT0000000		C003240	2720882	NT0402000, National Scientific User Facility NSUF Activiti	0	Default WFO			\$465,962.87	\$0.00	\$0.00	\$0.00	\$465,962.87
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2020	25400	Operation : RC0000000		C003241	2720978	RC0504000, Program Assessment and Coordination	0	Default WFO			\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$50,000.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : RC0000000		C003241	2720992	RC0603000, Management and Integration	0	Default WFO			\$8,463.14	\$0.00	\$0.00	\$0.00	\$8,463.14
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2018	25400	Operation : AF5800000		C000822	2720955	AF5832040, Management & Integration	0	Default WFO			\$480,756.06	\$0.00	\$0.00	\$0.00	\$480,756.06
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2018	25400	Operation : AF5800000		C000822	2720875	AF5832030, Program Assessment & Coordination	0	Default WFO			\$352,232.57	\$0.00	\$0.00	\$0.00	\$352,232.57
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : AF5800000		C000822	2720874	AF5832020, Systems Analysis	0	Default WFO			\$43,775.94	\$0.00	\$0.00	\$0.00	\$43,775.94
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2017	25400	Operation : RC0000000		C003241	2720918	RC0424000, ARC International Collaborations	0	Default WFO			\$368.50	\$0.00	\$0.00	\$0.00	\$368.50
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2020	25400	Operation : FT0000000		C003123	2721024	FT0405000, Program Assessment and Coordination	0	Default WFO			\$0.00	\$3,850.00	\$4,550.00	\$8,400.00	\$8,400.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : AF5800000		C000822	2720667	AF5810000, Advanced Fuels Research, Development and Testing	0	Default WFO			\$69,520.80	\$0.00	\$0.00	\$0.00	\$69,520.80
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : RC0000000		C003241	2720978	RC0504000, Program Assessment and Coordination	0	Default WFO			\$21,031.64	\$0.00	\$0.00	\$0.00	\$21,031.64
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2017	25400	Operation : AF5800000		C000822	2720625	AF5855000, Fuel Resources R&D	0	Default WFO			\$349.62	\$0.00	\$0.00	\$0.00	\$349.62
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2020	25400	Operation : FT0000000		C003123	2721015	FT0204000, Advanced Fuels	0	Default WFO			\$0.00	\$88,000.00	\$88,000.00	\$176,000.00	\$176,000.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2018	25400	Operation : NT0000000		C003240	2720928	NT0503000, Reactor Physics	0	Default WFO			\$129,028.00	\$0.00	\$0.00	\$0.00	\$129,028.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : AF5800000		C000822	2720703	AF5835000, Safeguards	0	Default WFO			\$77,737.45	\$0.00	\$0.00	\$0.00	\$77,737.45
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : AF5800000		C000822	2720875	AF5832030, Program									

BROOKHAVEN NATIONAL LABORATORY
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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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	:SL0000000	C002911	1005622	SL0200000, Photovoltaic R&D	0	Default WFO	Default Loc	\$268.16	\$0.00	\$0.00	\$0.00	\$268.16	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	:HT0000000	C002796	1009190	HT0100000, Fuel Cell Systems R&D	0	Default WFO	Default Loc	\$300,000.00	\$0.00	\$0.00	\$0.00	\$300,000.00	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	:SL0000000	C002911	1005616	SL0300000, Systems Integration Balance of Systems and Power	0	Default WFO	Default Loc	\$123,776.00	\$0.00	\$0.00	\$0.00	\$123,776.00	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	:BM0000000	C002732	1004173	BM0102060, Integration of Biorefinery Technologies	0	Default WFO	Default Loc	\$0.00	\$0.00	\$1,095,692.00	\$1,095,692.00	\$1,095,692.00	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	:HT0000000	C002796	1009190	HT0100000, Fuel Cell Systems R&D	0	Default WFO	Default Loc	\$93,487.86	\$0.00	\$0.00	\$0.00	\$93,487.86	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2017	25400	Operation	:VT0000000	C001096	1005556	VT1301000, Vehicle and System Simulation and Testing - Vehic	0	Default WFO	Default Loc	\$7,401.00	\$0.00	\$0.00	\$0.00	\$7,401.00	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	:ED0000000	C000949	1009209	ED2701000, Next Generation Manufacturing	0	Default WFO	Default Loc	\$276,958.14	\$0.00	\$0.00	\$0.00	\$276,958.14	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2017	25400	Operation	:HT0000000	C002796	2223156	HT1100000, Technology Acceleration	0	Default WFO	Default Loc	\$2,577.39	\$0.00	\$0.00	\$0.00	\$2,577.39	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2017	25400	Operation	:SL0000000	C002911	1005616	SL0300000, Systems Integration Balance of Systems and Power	0	Default WFO	Default Loc	\$665,015.61	\$0.00	\$0.00	\$0.00	\$665,015.61	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	:BT0000000	C000848	1004210	BT0101000, Research and Development	0	Default WFO	Default Loc	\$24,055.38	\$0.00	\$0.00	\$0.00	\$24,055.38	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	:VT0000000	C001096	1005556	VT1301000, Vehicle and System Simulation and Testing - Vehic	0	Default WFO	Default Loc	\$5,774.29	\$0.00	\$0.00	\$0.00	\$5,774.29	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	:HT0000000	C002796	1009190	HT0100000, Fuel Cell Systems R&D	0	Default WF 302017	TCF Fundin	\$294.34	\$0.00	\$0.00	\$0.00	\$294.34	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	:GT0000000	C002910	1005623	GT0200000, Low Temperature and Co-produced Rescourc	0	Default WFO	Default Loc	\$4,819.47	\$0.00	\$0.00	\$0.00	\$4,819.47	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	:VT0000000	C001096	1005554	VT1201000, Batteries & Electric Drive Technology - Energy St	0	Default WFO	Default Loc	\$2,180,240.94	\$0.00	\$0.00	\$0.00	\$2,180,240.94	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	:GT0000000	C002910	1005623	GT0200000, Low Temperature and Co-produced Rescourc	0	Default WFO	Default Loc	\$950,000.00	\$0.00	\$0.00	\$0.00	\$950,000.00	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2014	25400	Operation	:GT0000000	C002910	1005612	GT0100000, Enhanced Geothermal Systems	0	Default WFO	Default Loc	\$6,283.33	\$0.00	\$0.00	\$0.00	\$6,283.33	
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2020	25400	Operation	:VT0000000	C001096	1005554	VT1201000, Batteries & Electric Drive Technology - Energy St	0	Default WFO	Default Loc	\$0.00	\$200,000.00	\$715,000.00	\$915,000.00	\$915,000.00	
5489	089-16/17-0321 - EERE Reimbursable Work with Other Federal A	2016	25400	Operation	:456100000	C003005	6600073	456140358, Other Federal Agencies	4861011	CHAGRGX0 302027	OTT 16-17	\$32,628.12	\$0.00	\$0.00	\$0.00	\$32,628.12	
5498	089-X-0321 - EERE Reimbursable Work with Non-Federal Ent	2017	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Domestic	4860966	CHAGR873 0	Default Loc	\$11,618.24	\$0.00	\$0.00	\$0.00	\$11,618.24	
5499	089-X-0321 - EERE Reimbursable Work with Other Federal A	2016	25400	Operation	:456100000	C003005	6600072	456140357, Department of State - Other	3012199	CRAGR-S-O	Default Loc	\$25,808.25	\$0.00	\$0.00	\$0.00	\$25,808.25	
5499	089-X-0321 - EERE Reimbursable Work with Other Federal A	2014	25400	Operation	:456100000	C003005	6600072	456140357, Department of State - Other	3012882	CRAGR 193 0	Default Loc	\$638.50	\$0.00	-\$638.50	-\$638.50	\$0.00	
5499	089-X-0321 - EERE Reimbursable Work with Other Federal A	2014	25400	Operation	:456100000	C003005	6600072	456140357, Department of State - Other	3011110	CRAGRS-OIO	Default Loc	\$45.77	-\$45.77	\$0.00	-\$45.77	\$0.00	
5900	089X2250 Cybersecurity, Energy Security and Emergency Respo	2019	25400	Operation	:TG0000000	C003224	4219019	TG0104020, Crosscut ? Energy Security & Emergency Response	0	Default WFO	Default Loc	\$56,506.00	\$0.00	\$0.00	\$0.00	\$56,506.00	
6600	089X0337 - Energy Transformation Acceleration Fund - A	2017	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WF 1352	ARPA-E Lat	\$142,701.78	\$0.00	\$0.00	\$0.00	\$142,701.78	
6600	089X0337 - Energy Transformation Acceleration Fund - A	2014	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WF 1250	CHARPA-O	\$207.88	\$0.00	\$0.00	\$0.00	\$207.88	
6600	089X0337 - Energy Transformation Acceleration Fund - A	2014	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WFO	Default Loc	\$1,823.77	\$0.00	\$0.00	\$0.00	\$1,823.77	
6600	089X0337 - Energy Transformation Acceleration Fund - A	2014	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WF 1249	CHARPA-O	\$1,392.09	\$0.00	\$0.00	\$0.00	\$1,392.09	
6600	089X0337 - Energy Transformation Acceleration Fund - A	2016	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WF 1314	ARPA-E Lat	\$90,742.79	\$0.00	\$0.00	\$0.00	\$90,742.79	
6632	089-19/20-0337 - ARPA-E Program Direction	2019	25400	Operation	:CJ0200000	C002600	3166013	CJ0200000, Program Direction	0	Default WFO	Default Loc	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00	
7060	089-19/20-0228 - DA Primary Fund	2019	25400	Operation	:TT0000000	C003093	4500005	TT1030030, Other	0	Default WFO	Default Loc	\$0.00	\$0.00	\$50,000.00	\$50,000.00	\$50,000.00	
7500	089-20/21-0243 - ODA RW with Other Federal Agencies	2020	25400	Operation	:456100000	C003005	6600038	456140135, DARPA - Other	4861199	CHAGRHR0	Default Loc	\$0.00	\$72,524.27	\$0.00	\$72,524.27	\$72,524.27	
7500	089-20/21-0243 - ODA RW with Other Federal Agencies	2020	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Agencies - Other	4861205	CHAGRHQ	Default Loc	\$0.00	\$0.00	\$750,000.00	\$750,000.00	\$750,000.00	
7500	089-20/21-0243 - ODA RW with Other Federal Agencies	2020	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Agencies - Other	4861209	CHAGRHQ	Default Loc	\$0.00	\$0.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00	

Non-Appropriated Total													\$35,133,215.68	\$2,516,423.32	\$1,505,863.32	\$4,022,286.64	\$39,155,502.32
Other Federal Agency Total													\$45,054,758.31	-\$3,330,068.73	\$5,697,978.98	\$2,367,910.25	\$47,422,668.56
DOE Appropriated Total													\$308,832,462.04	\$75,895,019.72	\$43,468,022.25	\$119,363,041.97	\$428,195,504.01

SF-30 Total **\$389,020,436.03** **\$75,081,374.31** **\$50,671,864.55** **\$125,753,238.86** **\$514,773,674.89**

FPDS-NG Total [Action Obligation]																	\$49,166,001.23
FPDS-NG Total [Base And Exercised Options Value]																	\$50,671,864.55
FPDS-NG Total [Base And All Options Value]																	\$50,671,864.55

Agency Sub-Report

Agency	Obligation Change Amount
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Agency for International Development	-638.50
Department of Defense	1,750,000.00
Department of Homeland Security	30,000.00
National Aeronautics and Space Administration	3,956,796.12
Nuclear Regulatory Commission	-38,178.64
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Work for Others Funds Associated with Federal Agencies:	5,697,978.98
Total DOE Funds:	43,468,022.25
Total Non-Appropriated Funds:	1,505,863.32

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0155 [December]
 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 Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
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Grand Total: ----- 50,671,864.55