

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0158 [February]
 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 Combustio		Default Wf 302017	TCF Fundir	\$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 Powe		Default Wf 302017	TCF Fundir	\$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 Combustio		Default Wf 302017	TCF Fundir	\$70,469.99	\$0.00	\$0.00	\$0.00	\$70,469.99	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	FS1000000	C000984	2923652	FS1001000, Protective Forces		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)	2020	25400	Operation	KC0000000	C002853	3023325	KC0203020, Synthesis and Process		Default Wf 0	Default Loc	\$0.00	\$1,291,000.00	\$258,000.00	\$1,549,000.00	\$1,549,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation	KJ0000000	C001018	2924137	KJ0404000, Next Generation Netw		Default Wf 0	Default Loc	\$1,761.52	-\$1,761.52	\$0.00	-\$1,761.52	\$0.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924496	KA2602020, Accelerator Test Facili		Default Wf 0	Default Loc	\$0.00	\$2,010,000.00	\$394,000.00	\$2,404,000.00	\$2,404,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924327	KA2201090, Other Research		Default Wf 0	Default Loc	\$0.00	\$62,600.00	\$64,000.00	\$126,600.00	\$126,600.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KP0000000	C001024	2924993	KP1607010, Biomolecular Charactr		Default Wf 0	Default Loc	\$0.00	\$1,449,000.00	\$361,000.00	\$1,810,000.00	\$1,810,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KA0000000	C002852	2923681	KA1102812, Proton Facilities - Chn		Default Wf 0	Default Loc	\$116,070.99	\$0.00	\$0.00	\$0.00	\$116,070.99	
500	089-X-0222 - Science Primary Fund (was WA)	2018	32003	Accelerato	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel		Default Wf 485395	CHAIP	\$1,199,490.39	\$0.00	\$0.00	\$0.00	\$1,199,490.39	
500	089-X-0222 - Science Primary Fund (was WA)	2015	25400	Operation	KA0000000	C002852	2924313	KA2101020, National Laboratories		Default Wf 485474	CHOPEMIE	\$33.06	-\$33.06	\$0.00	-\$33.06	\$0.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KJ0000000	C001018	2924134	KJ0401000, Applied Mathematics I		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)	2020	25400	Operation	KP0000000	C001024	2924203	KP1601040, Computational Biosci		Default Wf 0	Default Loc	\$0.00	\$182,000.00	\$36,000.00	\$218,000.00	\$218,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924313	KA2101020, National Laboratories		Default Wf 0	Default Loc	\$3,650,135.33	\$0.00	\$0.00	\$0.00	\$3,650,135.33	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	FS1000000	C000984	2923657	FS1007000, Material Control and /		Default Wf 0	Default Loc	\$709,000.00	\$0.00	\$0.00	\$0.00	\$709,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KB0000000	C001009	2925029	KB0405012, Fund. Symmetries Nai		Default Wf 0	Default Loc	\$0.00	\$160,000.00	\$30,000.00	\$190,000.00	\$190,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924299	KC0304020, Physical Biosciences		Default Wf 0	Default Loc	\$0.00	\$1,672,000.00	\$333,000.00	\$2,005,000.00	\$2,005,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924472	KC0201070, X-Ray Scattering		Default Wf 0	Default Loc	\$0.00	\$850,000.00	\$270,000.00	\$1,120,000.00	\$1,120,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924294	KC0202040, Mechanical Behavior :		Default Wf 0	Default Loc	\$47,205.83	\$0.00	\$0.00	\$0.00	\$47,205.83	
500	089-X-0222 - Science Primary Fund (was WA)	2020	32001	Constructi	39KA00000	C002786	2924263	39KA00000PRN11SC40000, 11-SC-		Default Wf 0	Default Loc	\$0.00	\$1,000,000.00	\$500,000.00	\$1,500,000.00	\$1,500,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KJ0000000	C001018	2924134	KJ0401000, Applied Mathematics I		Default Wf 0	Default Loc	\$0.00	\$400,000.00	\$0.00	\$400,000.00	\$400,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	32002	General Pl	KG0700000	C002925	2924416	KG0701000, Facilities and Infrastr		Default Wf 0	Default Loc	\$10,065,373.45	\$0.00	\$0.00	\$0.00	\$10,065,373.45	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924192	KC0207010, Energy Frontier Resea		Default Wf 0	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	2924314	KA2101030, University Service Acc		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)	2019	25400	Operation	KB0000000	C001009	2923721	KB0101022, Medium Energy, Othe		Default Wf 0	Default Loc	\$1,254,565.52	\$0.00	\$0.00	\$0.00	\$1,254,565.52	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	FS1000000	C000984	2923658	FS1009000, Program Management		Default Wf 0	Default Loc	\$0.00	\$216,000.00	\$0.00	\$216,000.00	\$216,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924496	KA2602020, Accelerator Test Facili		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	KC0000000	C002853	2924193	KC0307010, Energy Frontier Resea		Default Wf 0	Default Loc	\$2,087,130.00	\$0.00	\$0.00	\$0.00	\$2,087,130.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924336	KA2202090, Other Facilities		Default Wf 0	Default Loc	\$0.00	\$122,000.00	\$32,000.00	\$154,000.00	\$154,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation	KB0000000	C001009	2923741	KB0281011, Nuclear Physics - RHIC		Default Wf 0	Default Loc	\$7,107.43	\$0.00	\$0.00	\$0.00	\$7,107.43	
500	089-X-0222 - Science Primary Fund (was WA)	2019	32001	Constructi	39KA00000	C002786	2924263	39KA00000PRN11SC40000, 11-SC-		Default Wf 0	Default Loc	\$953,904.10	\$0.00	\$0.00	\$0.00	\$953,904.10	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924328	KA2202010, Experimental Operati		Default Wf 0	Default Loc	\$0.00	\$824,000.00	\$213,000.00	\$1,037,000.00	\$1,037,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	32001	Constructi	39KG00000	C003255	2925037	39KG00000PRN20SC71000, 20-SC-		Default Wf 0	Default Loc	\$0.00	\$3,280,000.00	\$0.00	\$3,280,000.00	\$3,280,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Iter	KC0000000	C002853	2925052	KC0405080, NSRC Recapitalization		Default Wf 800039	CHMIE20B	\$0.00	\$250,000.00	-\$100,000.00	\$150,000.00	\$150,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major Iter	KA0000000	C002852	2924320	KA2103011, MIE		Default Wf 485498	CHEQUMIE	\$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	KP0000000	C001024	2924993	KP1607010, Biomolecular Charactr		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)	2019	25400	Operation	KL0000000	C001021	2924406	KL1001000, Science Undergraduat		Default Wf 0	Default Loc	\$502,720.50	\$20,000.00	\$0.00	\$20,000.00	\$522,720.50	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924358	KA2401022, Scientific Computing		Default Wf 0	Default Loc	\$0.00	\$152,000.00	\$41,000.00	\$193,000.00	\$193,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2924305	KC0406020, Accelerator and Deter		Default Wf 0	Default Loc	\$346,746.48	\$0.00	\$0.00	\$0.00	\$346,746.48	
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Iter	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Exper		Default Wf 485499	CHEQUMIE	\$0.00	\$1,970,000.00	\$1,340,000.00	\$3,310,000.00	\$3,310,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2923769	KC0201010, Structure Of Material:		Default Wf 0	Default Loc	\$0.00	\$1,445,000.00	\$288,000.00	\$1,733,000.00	\$1,733,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KP0000000	C001024	2924218	KP1704010, ARM Operations and I		Default Wf 0	Default Loc	\$0.00	\$0.00	\$250,000.00	\$250,000.00	\$250,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KL0000000	C001021	2924408	KL1003000, Visiting Faculty Progra		Default Wf 0	Default Loc	\$0.00	\$0.00	\$450,000.00	\$450,000.00	\$450,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924405	KC0201060, Neutron and X-Ray Sc		Default Wf 0	Default Loc	\$0.00	\$1,550,000.00	\$310,000.00	\$1,860,000.00	\$1,860,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924305	KC0406020, Accelerator and Deter		Default Wf 0	Default Loc	\$0.00	\$400,000.00	\$64,000.00	\$464,000.00	\$464,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Exper		Default Wf 0	Default Loc	\$0.00	\$12,020,000.00	\$3,010,000.00	\$15,030,000.00	\$15,030,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KP0000000	C001024	2924211	KP1701000, Atmospheric System F		Default Wf 0	Default Loc	\$0.00	\$1,461,000.00	\$515,000.00	\$1,976,000.00	\$1,976,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924355	KA2401012, National Laboratories		Default Wf 0	Default Loc	\$0.00	\$1,299,000.00	\$401,000.00	\$1,700,000.00	\$1,700,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2924421	KC0406030, Long Term Surveillanc		Default Wf 0	Default Loc	\$503,962.44	\$0.00	\$0.00	\$0.00	\$503,962.44	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	FS1000000	C000984	2923652	FS1001000, Protective Forces		Default Wf 0	Default Loc	\$0.00	\$2,073,000.00	\$0.00	\$2,073,000.00	\$2,073,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924506	KC0202031, Theoretical Condense		Default Wf 0	Default Loc	\$950,597.90	\$0.00	\$0.00	\$0.00	\$950,597.90	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2925000	KC0304031, Solar Photochemistry		Default Wf 0	Default Loc	\$2,059,588.59	\$0.00	\$0.00	\$0.00	\$2,059,588.59	

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500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924405	KC0201060, Neutron and X-Ray Sc	0	Default Wf0	Default Loc		\$1,056,887.68	\$0.00	\$0.00	\$0.00	\$1,056,887.68
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KL0000000	C001021	2924407	KL1002000, Community College In	0	Default Wf0	Default Loc		\$83,278.51	-\$20,000.00	\$0.00	-\$20,000.00	\$63,278.51
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KP0000000	C001024	2924204	KP1601050, Bioenergy Research C	0	Default Wf0	Default Loc		\$0.00	\$401,000.00	\$109,000.00	\$510,000.00	\$510,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	31003	Other Equi	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Exper	0	Default Wf485396	CHEQU		\$1,456,000.00	\$0.00	\$0.00	\$0.00	\$1,456,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	FS1000000	C000984	2923655	FS1005000, Cyber Security	0	Default Wf0	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)	2018	25400	Operation	KB0000000	C001009	2924156	KB0201052, Heavy Ion Accelerator	0	Default Wf0	Default Loc		\$22,920.38	\$0.00	\$0.00	\$0.00	\$22,920.38
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KA0000000	C002852	2924320	KA2103011, MIE	0	Default Wf485493	CHOPEMIE		\$990,040.45	\$0.00	\$0.00	\$0.00	\$990,040.45
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation	KA0000000	C002852	2924363	KA2403013, Other Projects	0	Default Wf0	Default Loc		\$160.35	-\$160.35	\$0.00	-\$160.35	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2011	25400	Operation	KP0000000	C001024	2924206	KP1602020, Radiobiology	0	Default Wf0	Default Loc		\$372.03	-\$372.03	\$0.00	-\$372.03	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32001	Constructi	39KG01000	C003227	2924984	39KG01000PRN19SC71000, 19-SC-	0	Default Wf0	Default Loc		\$0.00	\$4,829,100.00	\$0.00	\$4,829,100.00	\$4,829,100.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924346	KA2301020, National Laboratories	0	Default Wf0	Default Loc		\$482,872.27	\$0.00	\$0.00	\$0.00	\$482,872.27
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KL0000000	C001021	2924414	KL1500000, Outreach	0	Default Wf0	Default Loc		\$80,000.00	\$0.00	\$0.00	\$0.00	\$80,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KL0000000	C001021	2924407	KL1002000, Community College In	0	Default Wf0	Default Loc		\$0.00	\$110,000.00	\$36,000.00	\$146,000.00	\$146,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2924156	KB0201052, Heavy Ion Accelerator	0	Default Wf0	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	KJ0000000	C001018	2924476	KJ0403010, Computational Partne	0	Default Wf0	Default Loc		\$482,000.00	\$0.00	\$0.00	\$0.00	\$482,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	FS1000000	C000984	2923653	FS1002000, Security Systems	0	Default Wf0	Default Loc		\$0.00	\$259,000.00	\$0.00	\$259,000.00	\$259,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924336	KA2202090, Other Facilities	0	Default Wf0	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	FS1000000	C000984	2923654	FS1004000, Information Security	0	Default Wf0	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	2924314	KA2101030, University Service Acc	0	Default Wf0	Default Loc		\$187,277.71	\$0.00	\$0.00	\$0.00	\$187,277.71
500	089-X-0222 - Science Primary Fund (was WA)	2018	32003	Accelerato	KA0000000	C002852	2924496	KA2602020, Accelerator Test Facili	0	Default Wf485395	CHAIP		\$76,475.60	\$0.00	\$0.00	\$0.00	\$76,475.60
500	089-X-0222 - Science Primary Fund (was WA)	2018	32001	Constructi	39KG01000	C003087	2924481	39KG01000PRN17SC73000, 17-SC-	0	Default Wf0	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)	2020	25400	Operation	KA0000000	C002852	2924313	KA2101020, National Laboratories	0	Default Wf0	Default Loc		\$0.00	\$1,806,000.00	\$467,000.00	\$2,273,000.00	\$2,273,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2925052	KC0405080, NSRC Recapitalization	0	Default Wf800039	CHMIE20B		\$0.00	\$0.00	\$500,000.00	\$500,000.00	\$500,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924327	KA2201090, Other Research	0	Default Wf0	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	KA0000000	C002852	2924328	KA2202010, Experimental Operati	0	Default Wf0	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	FS1000000	C000984	2923658	FS1009000, Program Management	0	Default Wf0	Default Loc		\$297,414.40	\$0.00	\$0.00	\$0.00	\$297,414.40
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924243	KC0403030, Molecular Foundry Lf	0	Default Wf0	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	KP0000000	C001024	2924993	KP1607010, Biomolecular Charactr	0	Default Wf0	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)	2019	31001	Major Iter	KA0000000	C002852	2924320	KA2103011, MIE	0	Default Wf485496	CHEQMIE		\$2,441,780.26	\$0.00	\$0.00	\$0.00	\$2,441,780.26
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KL0000000	C001021	2924408	KL1003000, Visiting Faculty Progra	0	Default Wf0	Default Loc		\$46,947.02	\$0.00	\$0.00	\$0.00	\$46,947.02
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KP0000000	C001024	2924514	KP1606010, DO NOT USE!!! - Mesc	0	Default Wf0	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	KA0000000	C002852	2924489	KA2401032, QIS Research - Nation	0	Default Wf0	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)	2019	25400	Operation	KA0000000	C002852	2924325	KA2201020, National Laboratories	0	Default Wf0	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)	2018	32003	Accelerato	KC0000000	C002853	2924233	KC0401040, National Synchrotron	0	Default Wf485395	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	FS1000000	C000984	2923656	FS1006000, Personnel Security	0	Default Wf0	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	KA0000000	C002852	2924366	KA2501012, National Laboratories	0	Default Wf302557	Traineeship		\$78,400.00	\$0.00	\$0.00	\$0.00	\$78,400.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924357	KA2401021, Scientific Discovery th	0	Default Wf0	Default Loc		\$0.00	\$60,000.00	\$16,000.00	\$76,000.00	\$76,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KB0000000	C001009	2923721	KB0101022, Medium Energy, Othe	0	Default Wf0	Default Loc		\$0.00	\$420,000.00	\$110,000.00	\$530,000.00	\$530,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KP0000000	C001024	2924216	KP1703020, DO NOT USE!!! Earth	0	Default Wf0	Default Loc		\$86,015.98	\$0.00	\$0.00	\$0.00	\$86,015.98
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KA0000000	C002852	2924368	KA2501021, LHC Accelerator Reser	0	Default Wf0	Default Loc		\$1,009.15	\$0.00	\$0.00	\$0.00	\$1,009.15
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation	KC0000000	C002853	2923774	KC0202020, DO NOT USE!!! Experi	0	Default Wf0	Default Loc		\$7,280.81	\$0.00	-\$7,280.81	-\$7,280.81	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924366	KA2501012, National Laboratories	0	Default Wf0	Default Loc		\$111,366.64	\$0.00	\$0.00	\$0.00	\$111,366.64
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Genomi	0	Default Wf0	Default Loc		\$0.00	\$299,000.00	\$81,000.00	\$380,000.00	\$380,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Exper	0	Default Wf0	Default Loc		\$15,541,298.19	\$0.00	\$0.00	\$0.00	\$15,541,298.19
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation	KA0000000	C002852	2923681	KA1102812, Proton Facilities - Chn	0	Default Wf0	Default Loc		\$422,791.27	\$0.00	\$0.00	\$0.00	\$422,791.27
500	089-X-0222 - Science Primary Fund (was WA)	2016	25400	Operation	KA0000000	C002852	2924369	KA2501022, Muon Accelerators	0	Default Wf0	Default Loc		\$43,257.33	\$0.00	\$0.00	\$0.00	\$43,257.33
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation	KC0000000	C002853	2923794	KC0281013, BNL-NSLS	0	Default Wf0	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	KC0000000	C002853	2924290	KC0405070, NSLS-II Experimental	0	Default Wf800038	CHMIE20B		\$0.00	\$0.00	\$2,118,000.00	\$2,118,000.00	\$2,118,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	31003	Other Equi	KC0000000	C002853	2924242	KC0403020, Center for Functional	0	Default Wf485396	CHEQU		\$3,873,975.97	\$760,000.00	\$625,000.00	\$1,385,000.00	\$5,258,975.97
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924380	KA2601020, National Laboratories	0	Default Wf0	Default Loc		\$2,108,000.00	\$0.00	\$0.00	\$0.00	\$2,108,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2017	32003	Accelerato	KA0000000	C002852	2924382	KA2602010, Accelerator Operator	0	Default Wf485395	CHAIP		\$185,727.18	\$0.00	\$0.00	\$0.00	\$185,727.18
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2923769	KC0201010, Structure Of Material	0	Default Wf0	Default Loc		\$1,599,104.15	\$0.00	\$0.00	\$0.00	\$1,599,104.15
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KA0000000	C002852	2924357	KA2401021, Scientific Discovery th	0	Default Wf0	Default Loc		\$99,968.41	\$0.00	\$0.00	\$0.00	\$99,968.41

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500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2923733	KB0201021, Heavy Ion, RHIC Resear		Default WFO		Default Local	\$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	KC0000000	C002853	2924504	KC0202021, Experimental Condens		Default WFO		Default Local	\$2,198,710.03	\$0.00	\$0.00	\$0.00	\$2,198,710.03
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924241	KC0403010, Center for Nanoscale		Default WFO		Default Local	\$16,414.96	\$0.00	\$0.00	\$0.00	\$16,414.96
500	089-X-0222 - Science Primary Fund (was WA)	2016	25400	Operation	KP0000000	C001024	2924205	KP1602010, Radiochemistry and I		Default WFO		Default Local	\$4,286.34	\$0.00	\$0.00	\$0.00	\$4,286.34
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KJ0000000	C001018	2924134	KJ0401000, Applied Mathematics I		Default WFO		Default Local	\$101,496.52	\$0.00	\$0.00	\$0.00	\$101,496.52
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KP0000000	C001024	2924462	KP1703040, DO NOT USE!!! Climat		Default WFO		Default Local	\$525,530.65	\$0.00	\$0.00	\$0.00	\$525,530.65
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel		Default WFO		Default Local	\$17,768,332.51	\$0.00	\$0.00	\$0.00	\$17,768,332.51
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2924193	KC0307010, Energy Frontier Resea		Default WFO		Default Local	\$237,487.39	\$0.00	\$0.00	\$0.00	\$237,487.39
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924317	KA2102021, ATLAS Detector and C		Default WFO		Default Local	\$0.00	\$7,528,000.00	\$2,020,000.00	\$9,548,000.00	\$9,548,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2923807	KC0302010, Chemical Energy		Default WFO		Default Local	\$1,940,003.60	\$0.00	\$0.00	\$0.00	\$1,940,003.60
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation	KB0000000	C001009	2923728	KB0181012, Nuclear Physics - BNL		Default WFO		Default Local	\$34,228.17	\$0.00	\$0.00	\$0.00	\$34,228.17
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KJ0000000	C001018	2924474	KJ0402010, Computer Sciences - R		Default WFO		Default Local	\$451,512.00	\$0.00	\$0.00	\$0.00	\$451,512.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924305	KC0406020, Accelerator and Detec		Default WFO		Default Local	\$800,000.00	\$0.00	\$0.00	\$0.00	\$800,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2015	25400	Operation	KP0000000	C001024	2924417	KP1606000, Mesoscale to Molecu		Default WFO		Default Local	\$67,264.21	\$0.00	\$0.00	\$0.00	\$67,264.21
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924244	KC0403040, Center for Nanophase		Default WFO		Default Local	\$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	2924245	KC0403050, Center for Integrated		Default WFO		Default Local	\$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	2923733	KB0201021, Heavy Ion, RHIC Resear		Default WFO		Default Local	\$0.00	\$1,960,000.00	\$480,000.00	\$2,440,000.00	\$2,440,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924357	KA2401021, Scientific Discovery th		Default WFO		Default Local	\$190,000.00	\$0.00	\$0.00	\$0.00	\$190,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924366	KA2501012, National Laboratories		Default WFO		Default Local	\$0.00	\$63,000.00	\$137,000.00	\$200,000.00	\$200,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2923755	KB0401022, Low Energy, Other Na		Default WFO		Default Local	\$411,205.13	\$0.00	\$0.00	\$0.00	\$411,205.13
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924233	KC0401040, National Synchrotron		Default WFO		Default Local	\$26,835,229.75	\$0.00	\$0.00	\$0.00	\$26,835,229.75
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2923749	KB0301042, Theory, Nuclear Data,		Default WFO		Default Local	\$2,084,715.88	\$0.00	\$0.00	\$0.00	\$2,084,715.88
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KA0000000	C002852	2924380	KA2601020, National Laboratories		Default WFO		Default Local	\$57,442.12	\$0.00	\$0.00	\$0.00	\$57,442.12
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	FS1000000	C000984	2923655	FS1005000, Cyber Security		Default WFO		Default Local	\$0.00	\$972,000.00	\$0.00	\$972,000.00	\$972,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2017	31003	Other Equi	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel		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)	2017	25400	Operation	KA0000000	C002852	2924382	KA2602010, Accelerator Operator		Default WFO		Default Local	\$1,756.28	-\$35.40	\$0.00	-\$35.40	\$1,720.88
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Iter	KA0000000	C002852	2924320	KA2103011, MIE		Default WF	485498	CHEQU/MIE	\$0.00	\$7,025,000.00	\$1,520,000.00	\$8,545,000.00	\$8,545,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	31003	Other Equi	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Exper		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)	2020	25400	Operation	KA0000000	C002852	2924348	KA2302010, Experimental Operati		Default WFO		Default Local	\$0.00	\$175,000.00	\$0.00	\$175,000.00	\$175,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924504	KC0202021, Experimental Condens		Default WFO		Default Local	\$0.00	\$1,620,000.00	\$110,000.00	\$1,730,000.00	\$1,730,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel		Default WFO		Default Local	\$0.00	\$39,380,000.00	\$9,840,000.00	\$49,220,000.00	\$49,220,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	31003	Other Equi	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel		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)	2019	25400	Operation	AT0000000	C000840	2925051	AT1050000, Innovation Network f		Default WFO		Default Local	\$0.00	\$160,000.00	\$0.00	\$160,000.00	\$160,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Genomi		Default WFO		Default Local	\$2,771,000.00	\$0.00	\$0.00	\$0.00	\$2,771,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KP0000000	C001024	2924211	KP1701000, Atmospheric System F		Default WFO		Default Local	\$1,428,661.09	\$0.00	\$0.00	\$0.00	\$1,428,661.09
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	FS1000000	C000984	2923657	FS1007000, Material Control and /		Default WFO		Default Local	\$15,266.81	\$0.00	\$0.00	\$0.00	\$15,266.81
500	089-X-0222 - Science Primary Fund (was WA)	2019	32001	Constructi	39KG01000	C003227	2924984	39KG01000PRN19SC71000, 19-SC-		Default WFO		Default Local	\$6,601,686.24	\$0.00	\$0.00	\$0.00	\$6,601,686.24
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KB0000000	C001009	2923749	KB0301042, Theory, Nuclear Data,		Default WFO		Default Local	\$0.00	\$1,000,000.00	\$250,000.00	\$1,250,000.00	\$1,250,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924371	KA2501032, National Laboratories		Default WFO		Default Local	\$0.00	\$411,000.00	\$106,000.00	\$517,000.00	\$517,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2923746	KB0301020, Theory, National Labc		Default WFO		Default Local	\$1,116,615.27	\$0.00	\$0.00	\$0.00	\$1,116,615.27
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2924447	KC0213010, Computational Mater		Default WFO		Default Local	\$785,276.27	\$0.00	\$0.00	\$0.00	\$785,276.27
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major Iter	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Exper		Default WF	485499	CHEQU/MIE	\$4,440,831.74	\$0.00	\$0.00	\$0.00	\$4,440,831.74
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation	KC0000000	C002853	2923775	KC0202030, DO NOT USE!!! Condi		Default WFO		Default Local	\$305.56	\$0.00	\$0.00	\$0.00	\$305.56
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924355	KA2401012, National Laboratories		Default WFO		Default Local	\$1,209,355.21	\$0.00	\$0.00	\$0.00	\$1,209,355.21
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KA0000000	C002852	2924319	KA2102090, Other Facilities		Default WFO		Default Local	\$310.62	\$0.00	\$0.00	\$0.00	\$310.62
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KJ0000000	C001018	2924476	KJ0403010, Computational Partne		Default WFO		Default Local	\$0.00	\$328,000.00	\$0.00	\$328,000.00	\$328,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KP0000000	C001024	2924995	KP1703000, Earth and Environmer		Default WFO		Default Local	\$0.00	\$171,000.00	\$64,000.00	\$235,000.00	\$235,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KB0000000	C001009	2923752	KB0301052, Theory, SciDAC, Natio		Default WFO		Default Local	\$278,400.45	\$0.00	\$0.00	\$0.00	\$278,400.45
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924242	KC0403020, Center for Functional		Default WFO		Default Local	\$11,530,578.90	-\$760,000.00	-\$625,000.00	-\$1,385,000.00	\$10,145,578.90
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KP0000000	C001024	2924209	KP1605010, Structural Biology Infr		Default WFO		Default Local	\$41,509.65	\$0.00	\$0.00	\$0.00	\$41,509.65
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924371	KA2501032, National Laboratories		Default WFO		Default Local	\$1,163,151.16	\$0.00	\$0.00	\$0.00	\$1,163,151.16
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KL0000000	C001021	2924414	KL1500000, Outreach		Default WFO		Default Local	\$11,820.36	\$0.00	\$0.00	\$0.00	\$11,820.36
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	2924472	KC0201070, X-Ray Scattering		Default WFO		Default Local	\$2,094,051.59	\$0.00	\$0.00	\$0.00	\$2,094,051.59

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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	32003	Accelerato	KC0000000	C002853	2924233	KC0401040, National Synchrotron	0	Default Wf	485395	CHAIP	\$4,200,000.00	\$0.00	\$0.00	\$0.00	\$4,200,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KL0000000	C001021	2924408	KL1003000, Visiting Faculty Progra	0	Default Wf	0	Default Loc	\$450,000.00	\$0.00	\$0.00	\$0.00	\$450,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31003	Other Equi	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC Exper	0	Default Wf	485396	CHEQU	\$0.00	\$1,070,000.00	-\$570,000.00	\$500,000.00	\$500,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KJ0000000	C001018	2924476	KJ0403010, Computational Partne	0	Default Wf	0	Default Loc	\$176,950.94	\$0.00	\$0.00	\$0.00	\$176,950.94
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2924460	KC0301050, DO NOT USE!!! Conde	0	Default Wf	0	Default Loc	\$8.95	\$0.00	\$0.00	\$0.00	\$8.95
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	25400	Operation	FS1000000	C000984	2923653	FS1002000, Security Systems	0	Default Wf	0	Default Loc	\$508,702.69	\$0.00	\$0.00	\$0.00	\$508,702.69
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation	KC0000000	C002853	2924248	KC0404040, National Synchrotron	0	Default Wf	0	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	KA0000000	C002852	2924358	KA2401022, Scientific Computing	0	Default Wf	0	Default Loc	\$424,442.87	\$0.00	\$0.00	\$0.00	\$424,442.87
500	089-X-0222 - Science Primary Fund (was WA)	2018	31001	Major Iter	KA0000000	C002852	2924350	KA2303011, MIE	0	Default Wf	4809008	CHEQU	\$409,084.99	-\$409,084.99	\$0.00	-\$409,084.99	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2923803	KC0301020, DO NOT USE!!! Chemi	0	Default Wf	0	Default Loc	\$3.83	\$0.00	\$0.00	\$0.00	\$3.83
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924294	KC0202040, Mechanical Behavior	0	Default Wf	0	Default Loc	\$0.00	\$100,000.00	\$20,000.00	\$120,000.00	\$120,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924242	KC0403020, Center for Functional	0	Default Wf	0	Default Loc	\$0.00	\$7,566,000.00	\$1,985,000.00	\$9,551,000.00	\$9,551,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2924300	KC0304030, DO NOT USE!!! Solar	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	25400	Operation	KB0000000	C001009	2923734	KB0201022, Heavy Ion, Other Nati	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)	2019	32003	Accelerato	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel	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)	2017	25400	Operation	KC0000000	C002853	2924295	KC0202050, Physical Behavior of N	0	Default Wf	0	Default Loc	\$6,273.76	\$0.00	\$0.00	\$0.00	\$6,273.76
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	FS1000000	C000984	2923656	FS1006000, Personnel Security	0	Default Wf	0	Default Loc	\$0.00	\$171,000.00	\$0.00	\$171,000.00	\$171,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KC0000000	C002853	2924192	KC0207010, Energy Frontier Resea	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)	2020	31003	Other Equi	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel	0	Default Wf	485396	CHEQU	\$0.00	\$220,000.00	\$60,000.00	\$280,000.00	\$280,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Genomi	0	Default Wf	0	Default Loc	\$1,344,931.41	\$0.00	\$0.00	\$0.00	\$1,344,931.41
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924317	KA2102021, ATLAS Detector and C	0	Default Wf	0	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	KC0000000	C002853	2924447	KC0213010, Computational Mater	0	Default Wf	0	Default Loc	\$1,774,000.00	\$0.00	\$0.00	\$0.00	\$1,774,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KB0000000	C001009	2923752	KB0301052, Theory, SciDAC, Natio	0	Default Wf	0	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	KL0000000	C001021	2924406	KL1001000, Science Undergraduat	0	Default Wf	0	Default Loc	\$0.00	\$1,144,000.00	\$446,000.00	\$1,590,000.00	\$1,590,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Iter	KC0000000	C002853	2924290	KC0405070, NSLS-II Experimental	0	Default Wf	800038	CHMIE20B	\$0.00	\$1,678,000.00	-\$1,678,000.00	\$0.00	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2925000	KC0304031, Solar Photochemistry	0	Default Wf	0	Default Loc	\$0.00	\$2,677,000.00	\$535,000.00	\$3,212,000.00	\$3,212,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2923807	KC0302010, Chemical Energy	0	Default Wf	0	Default Loc	\$0.00	\$1,653,000.00	\$330,000.00	\$1,983,000.00	\$1,983,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924348	KA2302010, Experimental Operati	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)	2020	25400	Operation	FS1000000	C000984	2923654	FS1004000, Information Security	0	Default Wf	0	Default Loc	\$0.00	\$146,000.00	\$0.00	\$146,000.00	\$146,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924506	KC0202031, Theoretical Condense	0	Default Wf	0	Default Loc	\$0.00	\$1,047,000.00	\$209,000.00	\$1,256,000.00	\$1,256,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Iter	KA0000000	C002852	2924320	KA2103011, MIE	0	Default Wf	485496	CHEQU	\$0.00	\$4,116,000.00	\$737,000.00	\$4,853,000.00	\$4,853,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KP0000000	C001024	2924995	KP1703000, Earth and Environmer	0	Default Wf	0	Default Loc	\$576,349.41	\$0.00	\$0.00	\$0.00	\$576,349.41
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KP0000000	C001024	2924203	KP1601040, Computational Biosci	0	Default Wf	0	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)	2019	25400	Operation	KA0000000	C002852	2924326	KA2201030, University Service Acc	0	Default Wf	0	Default Loc	\$55,000.00	\$0.00	\$0.00	\$0.00	\$55,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	32001	Constructi	39KG01000	C003087	2924481	39KG01000PRN17SC73000, 17-SC-	0	Default Wf	0	Default Loc	\$42,200,000.00	\$0.00	\$0.00	\$0.00	\$42,200,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KJ0000000	C001018	2924510	KJ0402030, Computer Sciences - Q	0	Default Wf	0	Default Loc	\$0.00	\$500,000.00	\$0.00	\$500,000.00	\$500,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32002	General Pl	KG0700000	C002925	2924416	KG0701000, Facilities and Infrastr	0	Default Wf	485403	CHGPP	\$0.00	\$1,500,000.00	\$0.00	\$1,500,000.00	\$1,500,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924325	KA2201020, National Laboratories	0	Default Wf	0	Default Loc	\$0.00	\$1,924,000.00	\$498,000.00	\$2,422,000.00	\$2,422,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KA0000000	C002852	2924356	KA2401019, Other Research	0	Default Wf	0	Default Loc	\$298,162.24	\$0.00	\$0.00	\$0.00	\$298,162.24
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KC0000000	C002853	3023325	KC0203020, Synthesis and Process	0	Default Wf	0	Default Loc	\$280,952.16	\$0.00	\$0.00	\$0.00	\$280,952.16
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation	KP0000000	C001024	2924203	KP1601040, Computational Biosci	0	Default Wf	0	Default Loc	\$78,003.33	\$0.00	\$0.00	\$0.00	\$78,003.33
500	089-X-0222 - Science Primary Fund (was WA)	2020	32003	Accelerato	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel	0	Default Wf	485395	CHAIP	\$0.00	\$760,000.00	\$180,000.00	\$940,000.00	\$940,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KA0000000	C002852	2924346	KA2301020, National Laboratories	0	Default Wf	0	Default Loc	\$0.00	\$378,000.00	\$98,000.00	\$476,000.00	\$476,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KB0000000	C001009	2923746	KB0301020, Theory, National Labc	0	Default Wf	0	Default Loc	\$0.00	\$820,000.00	\$210,000.00	\$1,030,000.00	\$1,030,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation	KC0000000	C002853	2924233	KC0401040, National Synchrotron	0	Default Wf	0	Default Loc	\$0.00	\$34,768,000.00	\$9,530,000.00	\$44,298,000.00	\$44,298,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2017	31001	Major Iter	KA0000000	C002852	2924320	KA2103011, MIE	0	Default Wf	485486	CHEQU	\$838,523.42	\$0.00	\$0.00	\$0.00	\$838,523.42
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KJ0000000	C001018	2924516	KJ0403040, Computational Partne	0	Default Wf	0	Default Loc	\$142,448.06	\$0.00	\$0.00	\$0.00	\$142,448.06
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KJ0000000	C001018	2924510	KJ0402030, Computer Sciences - Q	0	Default Wf	0	Default Loc	\$1,450,000.00	\$0.00	\$0.00	\$0.00	\$1,450,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation	KP0000000	C001024	2924204	KP1601050, Bioenergy Research C	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)	2019	31003	Other Equi	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC Accel	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)	2020	25400	Operation	FS1000000	C000984	2923657	FS1007000, Material Control and /	0	Default Wf	0	Default Loc	\$0.00	\$204,000.00	\$0.00	\$204,000.00	\$204,000.00
510	089-X-0222 - Science Reimbursable Work Technology Transf	2020	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Research	4861208	CHAGR	844	0	Default Loc	\$0.00	\$0.00	\$48,543.69	\$48,543.69

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0158 [February]
 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
510	089-X-0222 - Science Reimbursable Work Technology Transf	2020	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Research	4861091	CHAGRRIKI		Default Loc	\$0.00	\$140,751.48	\$235,966.94	\$376,718.42	\$376,718.42
510	089-X-0222 - Science Reimbursable Work Technology Transf	2019	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Research	4861091	CHAGRRIKI		Default Loc	\$126,259.91	-\$21,063.96	\$0.00	-\$21,063.96	\$105,195.95
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	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	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	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861177	CHAGR844	0	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	4861138	AGR84416	0	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	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861157	CHAGR844	0	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	6600147	456160032, Industry - Foreign	4861176	CHAGR844	0	Default Loc	\$0.00	\$194,174.76	\$48,543.69	\$242,718.45	\$242,718.45
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861158	CHAGR844	0	Default Loc	\$6,021.68	\$0.00	-\$447.24	-\$447.24	\$5,574.44
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	2020	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861201	CHAGR844	0	Default Loc	\$0.00	\$46,601.94	\$0.00	\$46,601.94	\$46,601.94
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	\$9,202.28	\$0.00	\$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	4861198	CHAGR844	0	Default Loc	\$0.00	\$8,325.31	\$0.00	\$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	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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861104	CHAGR843	0	Default Loc	\$0.00	\$41,456.36	\$8,848.75	\$50,305.11	\$50,305.11
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861068	CHAGR842	0	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	6600147	456160032, Industry - Foreign	4861184	CHAGR844	0	Default Loc	\$23,335.70	\$0.00	\$0.00	\$0.00	\$23,335.70
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861115	CHAGR843	0	Default Loc	\$18,670.77	\$0.00	\$0.00	\$0.00	\$18,670.77
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861089	CHAGR843	0	Default Loc	\$309.19	-\$309.19	\$0.00	-\$309.19	\$0.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861072	CHAGR842	0	Default Loc	\$2,578.06	\$0.00	\$0.00	\$0.00	\$2,578.06
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861121	CHAGR844	0	Default Loc	\$0.00	\$0.00	\$299.86	\$299.86	\$299.86
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861159	CHAGR844	0	Default Loc	\$0.00	\$26,178.58	-\$8,615.25	\$17,563.33	\$17,563.33
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	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	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	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	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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861191	CHAGR844	0	Default Loc	\$0.00	\$27,751.05	\$66,506.95	\$94,258.00	\$94,258.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861178	CHAGR844	0	Default Loc	\$0.00	\$35,361.35	\$54,411.32	\$89,772.67	\$89,772.67
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	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CHAGR87	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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861120	CHAGR843	0	Default Loc	\$0.00	\$317,212.30	\$0.00	\$317,212.30	\$317,212.30
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861210	CHAGR844	0	Default Loc	\$0.00	\$0.00	\$7,381.78	\$7,381.78	\$7,381.78
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	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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861182	CHAGR844	0	Default Loc	\$0.00	\$9,739.72	\$0.00	\$9,739.72	\$9,739.72
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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861115	CHAGR843	0	Default Loc	\$0.00	\$3,825.29	\$2,077.58	\$5,902.87	\$5,902.87
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861128	CHAGR844	0	Default Loc	\$72,436.83	\$0.00	\$0.00	\$0.00	\$72,436.83
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861187	CHAGR844	0	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	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	4861178	CHAGR844	0	Default Loc	\$46,593.37	\$0.00	\$0.00	\$0.00	\$46,593.37
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CHAGR87	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	2020	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861184	CHAGR844	0	Default Loc	\$0.00	\$23,654.04	\$0.00	\$23,654.04	\$23,654.04
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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861195	CHAGR844	0	Default Loc	\$0.00	\$55,502.59	-\$0.50	\$55,502.09	\$55,502.09
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	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	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861088	CHAGR843	0	Default Loc	\$10,045.33	-\$10,045.33	\$0.00	-\$10,045.33	\$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	-\$4,583.34	-\$0.63	-\$4,583.97	\$0.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860946	CHAGR873	0	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	4861063	CHAGR842	0	Default Loc	\$9,628.13	\$0.00	\$0.00	\$0.00	\$9,628.13

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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	4861173	CHAGR844 0		Default Loc	\$517.07	\$0.00	\$0.00	\$0.00	\$517.07
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	\$54,767.73	\$20,858.27	\$75,626.00	\$75,626.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861075	CHAGR843 0		Default Loc	\$2,569.90	\$0.00	\$0.00	\$0.00	\$2,569.90
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	\$38,834.96	\$0.00	\$38,834.96	\$38,834.96
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861179	CHAGR844 0		Default Loc	\$20,000.00	\$0.00	\$0.00	\$0.00	\$20,000.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861162	CHAGR844 0		Default Loc	\$0.00	\$6,068.15	\$0.00	\$6,068.15	\$6,068.15
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861065	CHAGR842 0		Default Loc	\$194,174.76	\$0.00	\$0.00	\$0.00	\$194,174.76
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CHAGR842 0		Default Loc	\$0.00	\$25,242.72	\$0.00	\$25,242.72	\$25,242.72
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861176	CHAGR844 0		Default Loc	\$66,702.80	\$0.00	\$0.00	\$0.00	\$66,702.80
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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861204	CHAGR844 0		Default Loc	\$0.00	\$15,000.00	\$185,000.00	\$200,000.00	\$200,000.00
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	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	4861052	CHAGR841 0		Default Loc	\$0.00	\$885,004.06	\$1,057,426.58	\$1,942,430.64	\$1,942,430.64
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	\$4,110.89	\$37,292.53	\$41,403.42	\$41,403.42
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861162	CHAGR844 0		Default Loc	\$20,251.77	-\$13,520.16	\$0.00	-\$13,520.16	\$6,731.61
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861202	CHAGR844 0		Default Loc	\$0.00	\$29,644.66	\$0.00	\$29,644.66	\$29,644.66
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	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861065	CHAGR842 0		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	4860936	CHAGR872 0		Default Loc	\$7,788.29	-\$7,788.29	\$0.00	-\$7,788.29	\$0.00
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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861190	CHAGR844 0		Default Loc	\$0.00	\$17,595.06	\$6,393.42	\$23,988.48	\$23,988.48
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CHAGR842 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	2020	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861161	CHAGR844 0		Default Loc	\$0.00	\$55,502.09	\$0.00	\$55,502.09	\$55,502.09
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861023	CHAGR840 0		Default Loc	\$0.00	\$39,025.66	\$14,319.11	\$53,344.77	\$53,344.77
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861121	CHAGR844 0		Default Loc	\$121,934.75	\$0.00	\$0.00	\$0.00	\$121,934.75
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861139	CHAGR844 0		Default Loc	\$0.00	\$53,788.61	\$0.00	\$53,788.61	\$53,788.61
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861015	CHAGR840 0		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	4861120	CHAGR843 0		Default Loc	\$16,921.32	\$0.00	\$0.00	\$0.00	\$16,921.32
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861193	CHAGR840 0		Default Loc	\$0.00	\$26,869.78	\$6,200.25	\$33,070.03	\$33,070.03
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861163	CHAGR844 0		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	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	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	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	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861130	CHAGR844 0		Default Loc	\$443,163.35	\$0.00	\$0.00	\$0.00	\$443,163.35
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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861212	CHAGR844 0		Default Loc	\$0.00	\$75,000.00	\$0.00	\$75,000.00	\$75,000.00
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	4861160	CHAGR844 0		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	4861052	CHAGR841 0		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	4861128	CHAGR844 0		Default Loc	\$0.00	\$2,337.50	\$4,111.75	\$6,449.25	\$6,449.25
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861160	CHAGR844 0		Default Loc	\$0.00	\$27,137.59	\$11,365.37	\$38,502.96	\$38,502.96
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861200	CHAGR844 0		Default Loc	\$0.00	\$265,631.07	\$0.00	\$265,631.07	\$265,631.07
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	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861107	CHAGR843 0		Default Loc	\$17,624.33	-\$17,624.31	\$0.00	-\$17,624.31	\$0.02
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861181	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	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	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861135	CHAGR844 0		Default Loc	\$57,129.44	\$0.00	\$0.00	\$0.00	\$57,129.44
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861203	CHAGR844 0		Default Loc	\$0.00	\$8,333.00	\$10,107.99	\$18,440.99	\$18,440.99
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	\$6,007.85	\$7,047.62	\$13,055.47	\$13,055.47
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	-\$4.86	\$0.00	-\$4.86	\$1,891.75
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

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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	2020	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861197	CHAGR844 0	Default Loc	\$0.00	\$8,325.31	\$16,650.63	\$24,975.94	\$24,975.94
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861076	CHAGR843 0	Default Loc	\$265,095.87	\$0.00	\$0.00	\$0.00	\$265,095.87
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	4861165	CHAGR844 0	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	4861153	CHAGR844 0	Default Loc	\$182.63	-\$182.63	\$0.00	-\$182.63	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861145	CHAGR844 0	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	4861133	CHAGR844 0	Default Loc	\$0.00	\$26,024.25	\$0.00	\$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	4861213	CHAGR844 0	Default Loc	\$0.00	\$33,301.25	\$0.00	\$33,301.25	\$33,301.25
512	089-X-0222	- Science Reimbursable Work with Other Federa	2016	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860948	CHAGRNR(C	Default Loc	\$93,297.65	\$0.00	\$0.00	\$0.00	\$93,297.65
512	089-X-0222	- Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4860942	CHAGRNN.0	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	6600007	456140050, Research & Developm	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	4861073	CHAGR80F 0	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	4860991	CHAGRNNI 0	Default Loc	\$190,814.09	\$0.00	\$0.00	\$0.00	\$190,814.09
512	089-X-0222	- Science Reimbursable Work with Other Federa	2017	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4861037	CHAGR17E 0	Default Loc	\$3.72	\$0.00	\$0.00	\$0.00	\$3.72
512	089-X-0222	- Science Reimbursable Work with Other Federa	2013	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4860794	CHAGRAGI 0	Default Loc	\$8,934.17	\$0.00	\$0.00	\$0.00	\$8,934.17
512	089-X-0222	- Science Reimbursable Work with Other Federa	2016	25400	Operation	456100000	C003005	6600066	456140351, Department of State -	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	6600050	456140196, NASA Other	4860979	CHAGRNN.0	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	2016	25400	Operation	456100000	C003005	6600066	456140351, Department of State -	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	2016	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4860745	CHAGRNN.0	Default Loc	\$6,224.31	\$0.00	\$0.00	\$0.00	\$6,224.31
512	089-X-0222	- Science Reimbursable Work with Other Federa	2013	25400	Operation	456100000	C003005	6600067	456140352, Department of State -	4860796	CHAGRSA.0	Default Loc	\$19.78	\$0.00	\$0.00	\$0.00	\$19.78
512	089-X-0222	- Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4861154	CHAGR80L 0	Default Loc	\$17,223.11	\$0.00	\$0.00	\$0.00	\$17,223.11
512	089-X-0222	- Science Reimbursable Work with Other Federa	2013	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4860849	CHAGR201 0	Default Loc	\$2,007.03	-\$2,007.03	\$0.00	-\$2,007.03	\$0.00
512	089-X-0222	- Science Reimbursable Work with Other Federa	2014	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4860561	CHAGR9EV 0	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	6600007	456140050, Research & Developm	4861119	CHAGR18 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	2017	25400	Operation	456100000	C003005	6600066	456140351, Department of State -	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	6600050	456140196, NASA Other	4861069	CHAGR80F 0	Default Loc	\$134,939.61	\$0.00	\$0.00	\$0.00	\$134,939.61
512	089-X-0222	- Science Reimbursable Work with Other Federa	2016	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860817	CH189V64I 0	Default Loc	\$1,784.78	\$0.00	\$0.00	\$0.00	\$1,784.78
512	089-X-0222	- Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860894	CHAGRNR(C	Default Loc	\$1,553.31	\$0.00	\$0.00	\$0.00	\$1,553.31
512	089-X-0222	- Science Reimbursable Work with Other Federa	2018	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4860902	CHAGRPA1 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	2016	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4803492	CH AGRNI: 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	2016	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860724	CH189V61I: 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	6600053	456140220, Research & Developm	4803492	CH AGRNI: 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	2019	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4860991	CHAGRNNI 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	2018	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	4860873	CHAGRNR(C	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	6600066	456140351, Department of State -	4861127	CH1931CP: 0	Default Loc	\$8,220,896.20	\$0.00	\$0.00	\$0.00	\$8,220,896.20
512	089-X-0222	- Science Reimbursable Work with Other Federa	2020	25400	Operation	456100000	C003005	6600069	456140354, U.S. Agency For Interr	4860930	CHAGRAID 0	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	2019	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4861180	CHAGR30 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	2005	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4803774	CH AGRRA 0	Default Loc	\$527,491.57	\$0.00	\$0.00	\$0.00	\$527,491.57
512	089-X-0222	- Science Reimbursable Work with Other Federa	2017	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4861054	CHAGRNA: 0	Default Loc	\$8,453.63	\$0.00	\$0.00	\$0.00	\$8,453.63
512	089-X-0222	- Science Reimbursable Work with Other Federa	2014	25400	Operation	456100000	C003005	6600073	456140358, Other Federal Agencie	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	2019	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	4860873	CHAGRNR(C	Default Loc	\$882,226.04	\$0.00	\$0.00	\$0.00	\$882,226.04
512	089-X-0222	- Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4861169	CHAGR80C 0	Default Loc	\$273,330.10	\$0.00	\$0.00	\$0.00	\$273,330.10
512	089-X-0222	- Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600073	456140358, Other Federal Agencie	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	2017	25400	Operation	456100000	C003005	6600100	456140375, Nuclear Regulatory Cc	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	2005	25400	Operation	456100000	C003005	6600066	456140351, Department of State -	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	2019	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	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	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	2015	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860913	CHAGRNR(C	Default Loc	\$151.73	\$0.00	\$0.00	\$0.00	\$151.73
512	089-X-0222	- Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4861025	CHAGRNNI 0	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 & Developm	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	2016	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	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	2014	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4803492	CH AGRNI: 0	Default Loc	\$731,897.00	\$0.00	\$0.00	\$0.00	\$731,897.00

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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	6600099	456140374, Nuclear Regulatory Cc	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	2018	25400	Operation	456100000	C003005	6600051	456140200, Research & Developm	4861105	CHAGR183 0		Default Loc	\$10,509.17	\$0.00	\$0.00	\$0.00	\$10,509.17
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860911	CHAGRNR(C		Default Loc	\$72,595.39	\$0.00	\$0.00	\$0.00	\$72,595.39
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4860959	CHAGR201 0		Default Loc	\$473.22	\$0.00	\$0.00	\$0.00	\$473.22
512	089-X-0222 - Science Reimbursable Work with Other Federa	2012	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4804168	CH AGRY1(C		Default Loc	\$3,309.73	\$0.00	\$0.00	\$0.00	\$3,309.73
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation	456100000	C003005	6600067	456140352, Department of State -	4860964	CHAGR193 0		Default Loc	\$68,048.75	\$0.00	\$0.00	\$0.00	\$68,048.75
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4860561	CHAGR9EV 0		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 & Developm	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	2019	25400	Operation	456100000	C003005	6600066	456140351, Department of State -	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	2014	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	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 Cc	4860941	CHAGRNR(C		Default Loc	\$26,293.22	\$0.00	\$0.00	\$0.00	\$26,293.22
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation	456100000	C003005	6600072	456140357, Department of State -	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	6600069	456140354, U.S. Agency For Interr	4860930	CHAGRAID 0		Default Loc	\$359,733.49	\$0.00	\$0.00	\$0.00	\$359,733.49
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	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	2014	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	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	2014	25400	Operation	456100000	C003005	6600073	456140358, Other Federal Agencie	3011110	CRAGRS-0 0		Default Loc	\$121.25	-\$121.25	\$0.00	-\$121.25	\$0.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860697	CH189N67 0		Default Loc	\$67,304.85	-\$67,304.85	\$0.00	-\$67,304.85	\$0.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	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	2015	25400	Operation	456100000	C003005	6600072	456140357, Department of State -	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	2015	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4860927	CHARGNNI 0		Default Loc	\$354.45	\$0.00	\$0.00	\$0.00	\$354.45
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation	456100000	C003005	6600053	456140220, Research & Developm	4860897	CHAGRR21 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	2018	25400	Operation	456100000	C003005	6600069	456140354, U.S. Agency For Interr	4860930	CHAGRAID 0		Default Loc	\$59,493.70	\$0.00	\$0.00	\$0.00	\$59,493.70
512	089-X-0222 - Science Reimbursable Work with Other Federa	2011	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	4860532	CH189J414 0		Default Loc	\$3,429.21	\$0.00	\$0.00	\$0.00	\$3,429.21
512	089-X-0222 - Science Reimbursable Work with Other Federa	2020	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	4860873	CHAGRNR(C		Default Loc	\$0.00	\$29,126.21	\$82,524.27	\$111,650.48	\$111,650.48
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	4861185	CHNRC313 0		Default Loc	\$145,631.07	\$0.00	\$0.00	\$0.00	\$145,631.07
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation	456100000	C003005	6600066	456140351, Department of State -	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	6600099	456140374, Nuclear Regulatory Cc	4860901	CHAGRNR(C		Default Loc	\$34,547.10	\$0.00	\$0.00	\$0.00	\$34,547.10
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	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	2007	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4860316	CHAGRNN, 0		Default Loc	\$20,870.32	\$0.00	\$0.00	\$0.00	\$20,870.32
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4860561	CHAGR9EV 0		Default Loc	\$11,621.01	\$0.00	\$0.00	\$0.00	\$11,621.01
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation	456100000	C003005	6600099	456140374, Nuclear Regulatory Cc	4860947	CHAGRNR(C		Default Loc	\$1,430.36	\$0.00	-\$1,430.36	-\$1,430.36	\$0.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation	456100000	C003005	6600096	456140371, Nuclear Regulatory Cc	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	2018	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4860850	CHAGR201 0		Default Loc	\$193.69	\$0.00	\$0.00	\$0.00	\$193.69
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2020	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science SC	4861108	CHAGR843 0		Default Loc	\$0.00	\$913,847.57	\$0.00	\$913,847.57	\$913,847.57
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2019	25400	Operation	456100000	C003005	6600207	456167SC0, 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	2019	25400	Operation	456100000	C003005	6600207	456167SC0, 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	2018	25400	Operation	456100000	C003005	6600207	456167SC0, 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	2018	25400	Operation	456100000	C003005	6600207	456167SC0, 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	2018	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science SC	4860826	CHAGR872 0		Default Loc	\$7,745.02	\$0.00	\$0.00	\$0.00	\$7,745.02
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2019	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science SC	4860823	CHAGR872 0		Default Loc	\$35,674.26	\$0.00	\$0.00	\$0.00	\$35,674.26
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4861216	CHAGR80F 0		Default Loc	\$0.00	\$0.00	\$100,266.99	\$100,266.99	\$100,266.99
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation	456100000	C003005	6600007	456140050, Research & Developm	4861131	CHAGRER2 0		Default Loc	\$0.00	\$69,527.18	\$0.00	\$69,527.18	\$69,527.18
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4861214	CHAGRNNI 0		Default Loc	\$0.00	\$110,000.00	\$0.00	\$110,000.00	\$110,000.00
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4861073	CHAGR80F 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	6600050	456140196, NASA Other	4861154	CHAGR80L 0		Default Loc	\$0.00	\$0.00	\$31,445.63	\$31,445.63	\$31,445.63
541	089-19/20-0222 ? Science Reimbursable Work with Other Federa	2020	25400	Operation	456100000	C003005	6600050	456140196, NASA Other	4861211	CHAGR80C 0		Default Loc	\$0.00	\$316,019.42	\$0.00	\$316,019.42	\$316,019.42
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	\$48,543.69	\$0.00	\$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	CHAGR80! 0		Default Loc	\$0.00	\$3,592,233.01	\$0.00	\$3,592,233.01	\$3,592,233.01
674	089-18/19-0228 - DA Primary Fund	2018	25400	Operation	TT0000000	C003093	4500001	TT1020000, Contractual Support S 0		Default WF 0		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 Expen 0		Default WF 302064		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 Expen 0		Default WF 0		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 Gove	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	2014	25400	Operation	DP1204000	C000912	2220743	DP1204010, Secondary Assessmen 0		Default WF 0		Default Loc	\$836.82	\$0.00	\$0.00	\$0.00	\$836.82

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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
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2015	25400	Operation	DP8000000	C002982	2222989	DP8000000, Counterterrorism and O		Default WFO		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 Saf		Default WFO		Default Loc	\$35,687.86	\$0.00	\$0.00	\$0.00	\$35,687.86
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2014	25400	Operation	DP4000000	C000925	2222480	DP4011093, Nuclear Counterterro		Default WFO		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	2020	25400	Operation	DP0909000	C002955	2223112	DP0909010, Nuclear Criticality Saf		Default WFO		Default Loc	\$0.00	\$124,247.00	\$302,753.00	\$427,000.00	\$427,000.00
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860915	CHAGRHSFO		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	2014	25400	Operation	456100000	C003005	6600072	456140357, Department of State -	4860787	CHAGRSIAFO		Default Loc	\$849.00	\$0.00	\$0.00	\$0.00	\$849.00
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2015	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860847	CHAGRHSFO		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	2015	25400	Operation	456100000	C003005	6600014	456140075, Army - Other	4860884	CHAGRWF0		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	2017	25400	Operation	456100000	C003005	6600072	456140357, Department of State -	4860787	CHAGRSIAFO		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	6600084	45614036B, Science and Technolo	4841247	CHAGRHSFO		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	2014	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860789	CHAGRHSFO		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 Medicir		Default WFO		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		Default WFO		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 -	4861149	CHAGREACFO		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	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861117	CHAGRNRFO		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	2018	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861051	CHAGRHSFO		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	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861094	CHAGREACFO		Default Loc	\$9,985.94	\$0.00	\$0.00	\$0.00	\$9,985.94
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861147	CHAGREACFO		Default Loc	\$345.96	\$0.00	\$0.00	\$0.00	\$345.96
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861013	CHAGRNF0		Default Loc	\$100,000.00	\$0.00	\$0.00	\$0.00	\$100,000.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861172	CHAGRHSFO		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 -	4861112	CHAGREACFO		Default Loc	\$69,446.97	\$0.00	\$0.00	\$0.00	\$69,446.97
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861085	CHAGRNRFO		Default Loc	\$996.57	\$0.00	\$0.00	\$0.00	\$996.57
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861166	CHAGRNRFO		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	6600038	456140135, DARPA - Other	4861106	CHAGRHRFO		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	2018	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861124	CHAGR70FO		Default Loc	\$15,635.71	\$0.00	\$0.00	\$0.00	\$15,635.71
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860994	CHAGRHSFO		Default Loc	\$2,561.17	-\$2,561.17	\$0.00	-\$2,561.17	\$0.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2015	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860933	CHAGRHSFO		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	2016	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861008	CHAGRHSFO		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	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861155	CHAGREACFO		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	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861095	CHAGREACFO		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	6600109	456140063, Air Force - Other	4861078	CHAGRF4FO		Default Loc	\$332.65	\$0.00	\$0.00	\$0.00	\$332.65
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860960	CHAGRHSFO		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	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861083	CHAGREACFO		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	2016	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860997	CHAGRHSFO		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	2019	25400	Operation	456100000	C003005	6600038	456140135, DARPA - Other	4861137	CHAGRHRFO		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	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861171	CHAGREACFO		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	6600084	45614036B, Science and Technolo	4861143	CHAGR70RO		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	2017	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861049	CHAGRHSFO		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	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861152	CHAGRHQFO		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	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861097	CHAGREACFO		Default Loc	\$3,745.35	\$0.00	\$0.00	\$0.00	\$3,745.35
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2012	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860789	CHAGRHSFO		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	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861148	CHAGREACFO		Default Loc	\$98,179.86	\$0.00	\$0.00	\$0.00	\$98,179.86
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861055	CHAGRNCFO		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	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861150	CHAGREACFO		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	2019	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861140	CHAGR70RO		Default Loc	\$95,699.66	\$0.00	\$0.00	\$0.00	\$95,699.66
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4842534	CHAGRHSFO		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	6600084	45614036B, Science and Technolo	4861129	CHAGR70RO		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	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861082	CHAGREACFO		Default Loc	\$403.92	\$0.00	\$0.00	\$0.00	\$403.92
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861024	CHAGRHSFO		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	2019	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861129	CHAGR70RO		Default Loc	\$112,112.00	\$0.00	\$0.00	\$0.00	\$112,112.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation	456100000	C003005	6600033	456140124, DNA - Other	4861006	CHAGR100FO		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	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861113	CHAGREACFO		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	2019	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861055	CHAGRNCFO		Default Loc	\$300,000.00	\$0.00	\$0.00	\$0.00	\$300,000.00

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0158 [February]
 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
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2017	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861005	CHAGRHSF 0		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	2015	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860923	CHAGRHSF 0		Default Loc	\$696.09	\$0.00	\$0.00	\$0.00	\$696.09
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2020	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	3015399	CRAGR70R 0		Default Loc	\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$30,000.00
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	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	2017	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4861048	CHAGRHSF 0		Default Loc	\$6,585.86	\$0.00	\$0.00	\$0.00	\$6,585.86
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2015	25400	Operation	456100000	C003005	6600084	45614036B, Science and Technolo	4860960	CHAGRHSF 0		Default Loc	\$120,639.12	\$0.00	\$0.00	\$0.00	\$120,639.12
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2017	25400	Operation	GD6000000	C002970	3203779	GD6050100, CYBER & OPERATION	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	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	\$1,035,440.00	\$272,900.00	\$1,308,340.00	\$1,308,340.00
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	3203764	GD6020400, CI Training	0	Default WFO		Default Loc	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$5,000.00
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	2020	25400	Operation	GD6000000	C002970	3203761	GD6020100, Analysis	0	Default WFO		Default Loc	\$0.00	\$274,610.00	\$66,310.00	\$340,920.00	\$340,920.00
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	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	3203769	GD6020900, Office of The SCIO	0	Default WFO		Default Loc	\$159,749.68	\$0.00	\$0.00	\$0.00	\$159,749.68
1071	089-19/20-0243 - ODA Reimbursable Work with Other Federal Ag	2020	25400	Operation	456100000	C003005	6600109	456140063, Air Force - Other	4861188	CHAGRF4F 0		Default Loc	\$0.00	\$14,563.11	\$0.00	\$14,563.11	\$14,563.11
1071	089-19/20-0243 - ODA Reimbursable Work with Other Federal Ag	2020	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861194	CHAGRHQI 0		Default Loc	\$0.00	\$250,000.00	\$0.00	\$250,000.00	\$250,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation	DN2001000	C003038	2223076	DN2001010, Proliferation Detectic	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	2223096	DN4001030, Safeguards Technolo	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	2020	25400	Operation	DN4000000	C003042	2223096	DN4001030, Safeguards Technolo	0	Default WFO		Default Loc	\$0.00	\$123,760.00	\$216,240.00	\$340,000.00	\$340,000.00
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	2015	25400	Operation	NN4000000	C001056	2222733	NN4012040, Policy Studies and Su	0	Default WFO		Default Loc	\$1.95	-\$1.95	\$0.00	-\$1.95	\$0.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	CT8000000	C003284	2223020	CT8401000, Radiological Assistanc	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	2019	25400	Operation	DN2010000	C003118	2223180	DN2010000, Proliferation Detectic	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	DN4000000	C003042	2223094	DN4001010, Safeguards Policy	0	Default WFO		Default Loc	\$0.00	\$223,450.00	\$401,550.00	\$625,000.00	\$625,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	DN2010000	C003118	2223180	DN2010000, Proliferation Detectic	0	Default WFO		Default Loc	\$0.00	\$1,123,480.00	\$2,556,520.00	\$3,680,000.00	\$3,680,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation	DN2001000	C003038	2223154	DN2001030, 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	2019	25400	Operation	DN4000000	C003042	2223102	DN4003020, Nuclear Compliance	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	2020	25400	Operation	DN4000000	C003042	2223105	DN4004030, Multilateral Supplie	0	Default WFO		Default Loc	\$0.00	\$14,560.00	\$25,440.00	\$40,000.00	\$40,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	CT8000000	C003284	2223014	CT8101000, Nuclear Incident Polic	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	2020	25400	Operation	DN1001000	C003034	2223053	DN1001021, U.S. Costs for Russia	0	Default WFO		Default Loc	\$0.00	\$47,937.77	\$122,062.23	\$170,000.00	\$170,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation	DN1003000	C003036	2223063	DN1003011, U.S. Costs for Russia	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	2020	25400	Operation	DN2012000	C003120	2223182	DN2012010, U.S. High Performanc	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	2020	25400	Operation	DN3001000	C003039	2223079	DN3001010, Highly Enriched Urani	0	Default WFO		Default Loc	\$0.00	\$20,788.39	\$232,728.61	\$253,517.00	\$253,517.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	CT8000000	C003284	2223218	CT8406030, Contingency Reserve	0	Default WFO		Default Loc	\$0.00	\$0.00	\$40,000.00	\$40,000.00	\$40,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	CT8000000	C003284	2223023	CT8404010, Evaluation, Exercise, F	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	2020	25400	Operation	CT8000000	C003284	2223023	CT8404010, Evaluation, Exercise, F	0	Default WFO		Default Loc	\$0.00	\$9,000.00	\$35,000.00	\$44,000.00	\$44,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	DN4000000	C003042	2223101	DN4003010, Warhead Verification	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	2016	25400	Operation	DN4000000	C003042	2223105	DN4004030, Multilateral Supplie	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	2015	25400	Operation	NN5000000	C001058	2221240	NN5004010, U.S. Costs for Russia	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	2020	25400	Operation	DN1003000	C003036	2223063	DN1003011, U.S. Costs for Russia	0	Default WFO		Default Loc	\$0.00	\$291,989.54	\$898,752.74	\$1,190,742.28	\$1,190,742.28
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	DN1003000	C003036	2223063	DN1003011, U.S. Costs for Russia	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	2020	25400	Operation	DN4000000	C003042	2223095	DN4001020, Safeguards Engagem	0	Default WFO		Default Loc	\$0.00	\$236,309.00	\$451,691.00	\$688,000.00	\$688,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	DN1006000	C003089	2223153	DN1006010, International Radiolo	0	Default WFO		Default Loc	\$0.00	\$74,765.10	\$75,234.90	\$150,000.00	\$150,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation	CT8000000	C003284	2223014	CT8101000, Nuclear Incident Polic	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	2020	25400	Operation	DN4000000	C003042	2223210	DN4001050, Safeguards Crosscutti	0	Default WFO		Default Loc	\$0.00	\$83,720.00	\$146,280.00	\$230,000.00	\$230,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	DN4000000	C003042	2223095	DN4001020, Safeguards Engagem	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	2019	25400	Operation	DN4000000	C003042	2223103	DN4004010, Civil Nuclear Coopera	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	2018	25400	Operation	DN4000000	C003042	2223103	DN4004010, Civil Nuclear Coopera	0	Default WFO		Default Loc	\$752.78	\$0.00	\$0.00	\$0.00	\$752.78
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	DN2012000	C003120	2223182	DN2012010, U.S. High Performanc	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	CT8000000	C003284	2223144	CT8001000, 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	2017	25400	Operation	DN1001000	C003034	2223049	DN1001011, U.S. Costs for Russia	0	Default WFO		Default Loc	\$139,186.91	\$0.00	\$0.00	\$0.00	\$139,186.91

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1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation	NN5000000	C001058	2221234	NN5002010, U.S. Costs for Russia I		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	2015	25400	Operation	NN5000000	C001058	2221235	NN5002020, In-Country Costs for F		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	DN1006000	C003089	2223153	DN1006010, International Radiolo		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	2020	25400	Operation	CT8000000	C003284	2223020	CT8401000, Radiological Assistanc		Default WFO		Default Loc	\$0.00	\$515,885.71	\$1,921,684.29	\$2,437,570.00	\$2,437,570.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	DN4000000	C003042	2223102	DN4003020, Nuclear Compliance \		Default WFO		Default Loc	\$0.00	\$169,201.00	\$299,627.00	\$468,828.00	\$468,828.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	DN1005000	C003088	2223152	DN1005010, Domestic Radiologica		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	2015	25400	Operation	NN2000000	C001052	2221132	NN2001000, Nonproliferation Deti		Default WFO		Default Loc	\$1.79	\$0.00	\$0.00	\$0.00	\$1.79
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation	NN4000000	C001056	2222717	NN4009010, Safeguards Policy anc		Default WFO		Default Loc	\$0.89	-\$0.89	\$0.00	-\$0.89	\$0.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	DN4000000	C003042	2223106	DN4004040, Policy Studies and Su		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	2016	25400	Operation	DN1001000	C003034	2223053	DN1001021, U.S. Costs for Russia I		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	2223106	DN4004040, Policy Studies and Su		Default WFO		Default Loc	\$0.00	\$0.00	\$150,000.00	\$150,000.00	\$150,000.00
1557	089-X-0309 - DNN Second Line of Defense International Co	2012	25400	Operation	NN5000000	C001058	2222290	NN5010000, International Contrib		Default WFO		Default Loc	\$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 Assistanc		Default WFO		Default Loc	\$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, Counterterrorisr		Default WFO		Default Loc	\$2,021.13	\$0.00	\$0.00	\$0.00	\$2,021.13
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2018	25400	Operation	EZ5000000	C002226	1110983	EZ5012410 - BRNL-0041 Nuclear F:		Default WFO		Default Loc	\$197,200.35	\$0.00	\$0.00	\$0.00	\$197,200.35
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2015	25400	Operation	EZ5000000	C002226	1110981	EZ5012300 - BRNL-0030 Soil and V		Default WFO		Default Loc	\$47.62	\$0.00	\$0.00	\$0.00	\$47.62
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2013	25400	Operation	EZ5000000	C002226	1110981	EZ5012300 - BRNL-0030 Soil and V		Default WFO		Default Loc	\$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	2720714	ST5001020, Brookhaven Linear Iso		Default WFO		Default Loc	\$350,000.00	\$0.00	\$0.00	\$0.00	\$350,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation	ST0000000	C001087	2924424	ST5001040, Actinium-225 Technol		Default WFO		Default Loc	\$795,949.65	\$0.00	\$0.00	\$0.00	\$795,949.65
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation	ST0000000	C001087	2924281	ST6001034, Facility Upgrades		Default WFO		Default Loc	\$201,258.53	\$0.00	\$0.00	\$0.00	\$201,258.53
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation	ST0000000	C001087	2720715	ST5001030, Other National Lab Re		Default WFO		Default Loc	\$0.00	\$340,000.00	\$0.00	\$340,000.00	\$340,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation	ST0000000	C001087	2720716	ST5002000, University Research		Default WFO		Default Loc	\$0.00	\$30,000.00	\$0.00	\$30,000.00	\$30,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation	ST0000000	C001087	2924424	ST5001040, Actinium-225 Technol		Default WFO		Default Loc	\$323,000.00	\$0.00	\$0.00	\$0.00	\$323,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2016	25400	Operation	ST0000000	C001087	2924282	ST6001036, Technical Services		Default WFO		Default Loc	\$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	2924280	ST6001032, Hot Cell and Other Na		Default WFO		Default Loc	\$0.00	\$300,000.00	\$500,000.00	\$800,000.00	\$800,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation	ST0000000	C001087	2720714	ST5001020, Brookhaven Linear Iso		Default WFO		Default Loc	\$259,374.42	\$0.00	\$0.00	\$0.00	\$259,374.42
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	32003	Accelerato	ST0000000	C001087	2924281	ST6001034, Facility Upgrades	485395	Default WFO	CHAIP	\$1,466,518.90	\$0.00	\$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	2924280	ST6001032, Hot Cell and Other Na		Default WFO		Default Loc	\$1,104,187.68	\$1,040,000.00	\$0.00	\$1,040,000.00	\$2,144,187.68
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation	ST0000000	C001087	2720718	ST6001020, Brookhaven Linear Iso		Default WFO		Default Loc	\$569,438.47	\$458,000.00	\$0.00	\$458,000.00	\$1,027,438.47
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation	ST0000000	C001087	2720715	ST5001030, Other National Lab Re		Default WFO		Default Loc	\$387,993.08	\$400,000.00	\$0.00	\$400,000.00	\$787,993.08
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation	ST0000000	C001087	2720716	ST5002000, University Research		Default WFO		Default Loc	\$10,768.67	\$0.00	\$0.00	\$0.00	\$10,768.67
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation	ST0000000	C001087	2924306	ST6001031, Production		Default WFO		Default Loc	\$5,447,419.38	\$0.00	\$0.00	\$0.00	\$5,447,419.38
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation	ST0000000	C001087	2720718	ST6001020, Brookhaven Linear Iso		Default WFO		Default Loc	\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$100,000.00
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation	TE1300000	C002800	3123803	TE1301000, Cyber for Energy Secu		Default WFO		Default Loc	\$356.54	\$0.00	\$0.00	\$0.00	\$356.54
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TF0000000	C002802	3123796	TF0000000, Transmission Permitti		Default WFO		Default Loc	\$121.66	\$0.00	-\$121.66	-\$121.66	\$0.00
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TE1200000	C002799	3123810	TE1204000, Dynamic Controls & C		Default WFO		Default Loc	\$205.91	\$0.00	-\$205.91	-\$205.91	\$0.00
5300	089-X-0318 - Electricity Delivery	2018	25400	Operation	TE1200000	C002799	3123811	TE1205000, Resilient Electric Distri		Default WFO		Default Loc	\$41,767.81	\$0.00	\$0.00	\$0.00	\$41,767.81
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TE1200000	C002799	3123812	TE1206000, Advanced Secure Sen		Default WFO		Default Loc	\$22.70	\$0.00	-\$22.70	-\$22.70	\$0.00
5300	089-X-0318 - Electricity Delivery	2019	25400	Operation	TE1100000	C002798	3123785	TE1103000, Advanced Modeling G		Default WFO		Default Loc	\$1,400,000.00	\$0.00	\$0.00	\$0.00	\$1,400,000.00
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TE1300000	C002800	3123815	TE1305000, Virtual Energy Sector I		Default WFO		Default Loc	\$117.37	\$0.00	\$0.00	\$0.00	\$117.37
5300	089-X-0318 - Electricity Delivery	2018	25400	Operation	TE1100000	C002798	3123785	TE1103000, Advanced Modeling G		Default WFO		Default Loc	\$264,522.58	\$0.00	\$0.00	\$0.00	\$264,522.58
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation	TE1200000	C002799	3123809	TE1203000, Advance Distribution I		Default WFO		Default Loc	\$621.94	\$0.00	-\$621.94	-\$621.94	\$0.00
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TE1300000	C002800	3123804	TE1302000, Cyber for Energy Secu		Default WFO		Default Loc	\$200.26	\$0.00	\$0.00	\$0.00	\$200.26
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation	TE1400000	C002801	3123795	TE1400000, Energy Storage Resear		Default WFO		Default Loc	\$260.97	\$0.00	-\$260.97	-\$260.97	\$0.00
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TE1100000	C002798	3123789	TE1101000, Transmission Reliabilit		Default WFO		Default Loc	\$136.88	\$0.00	-\$136.88	-\$136.88	\$0.00
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TE1200000	C002799	3123792	TE1201000, Smart Grid		Default WFO		Default Loc	\$2,262.82	\$0.00	-\$2,262.82	-\$2,262.82	\$0.00
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation	TE1100000	C002798	3123816	TE1104010, Monitoring and Real-T		Default WFO		Default Loc	\$12,301.98	\$0.00	\$0.00	\$0.00	\$12,301.98
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation	TE1100000	C002798	3123802	TE1104000, Energy Systems Predic		Default WFO		Default Loc	\$128,941.30	\$0.00	-\$126,987.80	-\$126,987.80	\$1,953.50
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2020	25400	Operation	RC0500000	C003095	2720978	RC0504000, Program Assessment		Default WFO		Default Loc	\$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-	2020	25400	Operation	FT1100000	C003290	2721023	FT1105000, Systems Analysis and I		Default WFO		Default Loc	\$0.00	\$118,280.00	\$0.00	\$118,280.00	\$118,280.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation	AF5800000	C000822	2720875	AF5832030, Program Assessment		Default WFO		Default Loc	\$51,000.00	\$0.00	\$0.00	\$0.00	\$51,000.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2018	25400	Operation	AF5800000	C000822	2720955	AF5832040, Management & Integr		Default WFO		Default Loc	\$480,756.06	\$0.00	\$0.00	\$0.00	\$480,756.06
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation	AF5800000	C000822	2720874	AF5832020, Systems Analysis		Default WFO		Default Loc	\$43,775.94	\$0.00	\$0.00	\$0.00	\$43,775.94

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5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation	RC0600000	C003237	2720992	RC0603000, Management and Int	0	Default Wf0	Default Loc		\$8,463.14	\$0.00	\$0.00	\$0.00	\$8,463.14
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 Wf0	Default Loc		\$349.62	\$0.00	\$0.00	\$0.00	\$349.62
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2017	25400	Operation	RC0400000	C002775	2720918	RC0424000, ARC International Coll	0	Default Wf0	Default Loc		\$368.50	\$0.00	\$0.00	\$0.00	\$368.50
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2018	25400	Operation	NT0800000	C003286	2720928	NT0803000, Reactor Physics	0	Default Wf0	Default Loc		\$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 Wf0	Default Loc		\$77,737.45	\$0.00	\$0.00	\$0.00	\$77,737.45
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2020	25400	Operation	FT0900000	C003288	2721015	FT0905000, Advanced Fuels	0	Default Wf0	Default Loc		\$0.00	\$176,000.00	\$0.00	\$176,000.00	\$176,000.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation	NT0400000	C002805	2720882	NT0402000, National Scientific Us	0	Default Wf0	Default Loc		\$465,962.87	\$0.00	\$0.00	\$0.00	\$465,962.87
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2017	25400	Operation	AF5800000	C000822	2720965	AF5861010, Spent Fuel and Waste	0	Default Wf0	Default Loc		\$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	AF5800000	C000822	2720667	AF5810000, Advanced Fuels Resea	0	Default Wf0	Default Loc		\$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	RC0500000	C003095	2720978	RC0504000, Program Assessment :	0	Default Wf0	Default Loc		\$21,031.64	\$0.00	\$0.00	\$0.00	\$21,031.64
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2020	25400	Operation	FT1100000	C003290	2721024	FT1106000, Program Assessment :	0	Default Wf0	Default Loc		\$0.00	\$8,400.00	\$0.00	\$8,400.00	\$8,400.00
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2018	25400	Operation	AF5800000	C000822	2720875	AF5832030, Program Assessment :	0	Default Wf0	Default Loc		\$352,232.57	\$0.00	\$0.00	\$0.00	\$352,232.57
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	ED0000000	C000949	1009209	ED2701000, Next Generation Man	0	Default Wf0	Default Loc		\$276,958.14	\$0.00	\$0.00	\$0.00	\$276,958.14
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	VT0000000	C001096	1005554	VT1201000, Batteries & Electric Dr	0	Default Wf0	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	2016	25400	Operation	PG0000000	C002840	1005604	PG0400000, Innovation & Deploy	0	Default Wf0	Default Loc		\$40,972.14	\$0.00	\$0.00	\$0.00	\$40,972.14
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	SL0300000	C002911	1005616	SL0300000, Systems Integration B	0	Default Wf0	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 Biorefi	0	Default Wf0	Default Loc		\$0.00	\$1,095,692.00	\$0.00	\$1,095,692.00	\$1,095,692.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2017	25400	Operation	VT0000000	C001096	1005556	VT1301000, Vehicle and System Si	0	Default Wf0	Default Loc		\$7,401.00	\$0.00	\$0.00	\$0.00	\$7,401.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	HT0000000	C002796	1009190	HT0100000, Fuel Cell Systems R&C	0	Default Wf0	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	SL0000000	C002911	1005616	SL0300000, Systems Integration B	0	Default Wf0	Default Loc		\$665,015.61	\$0.00	\$0.00	\$0.00	\$665,015.61
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	WW0000000	C002917	1005682	WW0800000, Mitigate Market Bar	0	Default Wf0	Default Loc		\$0.00	\$13,837.00	\$0.00	\$13,837.00	\$13,837.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	VT0000000	C001096	1005556	VT1301000, Vehicle and System Si	0	Default Wf0	Default Loc		\$5,774.29	\$0.00	\$0.00	\$0.00	\$5,774.29
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	SL0000000	C002911	1005616	SL0300000, Systems Integration B	0	Default Wf0	Default Loc		\$226,224.00	\$0.00	\$0.00	\$0.00	\$226,224.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2017	25400	Operation	HT0000000	C002796	2223156	HT1100000, Technology Accelerati	0	Default Wf0	Default Loc		\$2,577.39	\$0.00	\$0.00	\$0.00	\$2,577.39
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	BT0000000	C000848	1004210	BT0101000, Research and Develo	0	Default Wf0	Default Loc		\$24,055.38	\$0.00	\$0.00	\$0.00	\$24,055.38
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2020	25400	Operation	BT0000000	C000848	1004222	BT0400000, Equipment and Buildi	0	Default Wf0	Default Loc		\$0.00	\$0.00	\$250,000.00	\$250,000.00	\$250,000.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2014	25400	Operation	BM0000000	C002732	1009218	BM0107000, Biopower	0	Default Wf0	Default Loc		\$1,252.09	\$0.00	\$0.00	\$0.00	\$1,252.09
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	GT0000000	C002910	1005613	GT0300000, Hydrothermal	0	Default Wf0	Default Loc		\$10,301.60	\$0.00	\$0.00	\$0.00	\$10,301.60
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	GT0000000	C002910	1005623	GT0200000, Low Temperature anc	0	Default Wf0	Default Loc		\$950,000.00	\$0.00	\$0.00	\$0.00	\$950,000.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	GT0000000	C002910	1005623	GT0200000, Low Temperature anc	0	Default Wf0	Default Loc		\$4,819.47	\$0.00	\$0.00	\$0.00	\$4,819.47
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	BT0000000	C000848	1004219	BT0304030, Buildings-to-Grid	0	Default Wf0	Default Loc		\$355,633.31	\$0.00	\$0.00	\$0.00	\$355,633.31
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	SL0200000	C002911	1005622	SL0200000, Photovoltaic R&D	0	Default Wf0	Default Loc		\$268.16	\$0.00	\$0.00	\$0.00	\$268.16
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2020	25400	Operation	VT0000000	C001096	1005554	VT1201000, Batteries & Electric Dr	0	Default Wf0	Default Loc		\$0.00	\$915,000.00	\$373,126.00	\$1,288,126.00	\$1,288,126.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	HT0000000	C002796	1009190	HT0100000, Fuel Cell Systems R&C	0	Default Wf 302017	TCF Fundir		\$294.34	\$0.00	\$0.00	\$0.00	\$294.34
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2014	25400	Operation	GT0000000	C002910	1005612	GT0100000, Enhanced Geotherma	0	Default Wf0	Default Loc		\$6,283.33	\$0.00	\$0.00	\$0.00	\$6,283.33
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2019	25400	Operation	HT0000000	C002796	1009190	HT0100000, Fuel Cell Systems R&C	0	Default Wf0	Default Loc		\$300,000.00	\$0.00	\$0.00	\$0.00	\$300,000.00
5489	089-16/17-0321 - EERE Reimbursable Work with Other Federal A	2016	25400	Operation	456100000	C003005	6600073	456140358, Other Federal Agencie	4861011	CHAGRGXC	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 -	3012199	CRAGR-S-C	0	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 -	3012882	CRAGR 19:	0	Default Loc	\$638.50	-\$638.50	\$0.00	-\$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 -	3011110	CRAGRS-O	0	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 Sec	0	Default Wf0	Default Loc		\$56,506.00	\$0.00	\$0.00	\$0.00	\$56,506.00
6600	089X0337 - Energy Transformation Acceleration Fund - A	2014	25400	Operation	CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default Wf0	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	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	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
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
6632	089-19/20-0337 - ARPA-E Program Direction	2019	25400	Operation	CJ0200000	C002600	3166013	CJ0200000, Program Direction	0	Default Wf0	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 Wf0	Default Loc		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$50,000.00
7500	089-20/21-0243 - ODA RW with Other Federal Agencies	2020	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861205	CHAGRHQI	0	Default Loc	\$0.00	\$750,000.00	\$0.00	\$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 -	4861215	CHAGREAC	0	Default Loc	\$0.00	\$150,000.00	\$150,000.00	\$300,000.00	\$300,000.00
7500	089-20/21-0243 - ODA RW with Other Federal Agencies	2020	25400	Operation	456100000	C003005	6600038	456140135, DARPA - Other	4861199	CHAGRHR	0	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 -	4861209	CHAGRHQI	0	Default Loc	\$0.00	\$1,000,000.00	\$0.00	\$1,000,000.00	\$1,000,000.00

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0158 [February]
 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
7500	089-20/21-0243 - ODA RW with Other Federal Agencies	2020	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agencies -	4861218	CHAGREAC 0		Default Loc	\$0.00	\$0.00	\$400,000.00	\$400,000.00	\$400,000.00

Non-Appropriated Total	\$35,144,833.92	\$5,953,349.35	\$2,340,290.46	\$8,293,639.81	\$43,438,473.73
Other Federal Agency Total	\$45,054,758.31	\$2,873,342.05	\$762,806.53	\$3,636,148.58	\$48,690,906.89
DOE Appropriated Total	\$308,570,843.80	\$174,016,737.91	\$48,318,998.28	\$222,335,736.19	\$530,906,579.99

SF-30 Total	\$388,770,436.03	\$182,843,429.31	\$51,422,095.27	\$234,265,524.58	\$623,035,960.61
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FPDS-NG Total [Action Obligation]	\$49,081,804.81
FPDS-NG Total [Base And Exercised Options Value]	\$51,422,095.27
FPDS-NG Total [Base And All Options Value]	\$51,422,095.27

Agency Sub-Report

Agency	Obligation Change Amount
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National Aeronautics and Space Administration	131,712.62
Nuclear Regulatory Commission	81,093.91
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Work for Others Funds Associated with Federal Agencies:	762,806.53
Total DOE Funds:	48,318,998.28
Total Non-Appropriated Funds:	2,340,290.46
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Grand Total:	51,422,095.27