

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0157 [January Part 2]
 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	2016	25400	Operation : AA6000000	C002841	1611051	AA6010000, Advanced Cor	0		Default WF 302017	TCF Fundin	\$70,469.99	\$0.00	\$0.00	\$0.00	\$70,469.99	
150	089-X-0213 - Fossil Energy Research and Development (FER	2017	25400	Operation : AA6000000	C002841	1611051	AA6010000, Advanced Cor	0		Default WF 302017	TCF Fundin	\$121,207.00	\$0.00	\$0.00	\$0.00	\$121,207.00	
150	089-X-0213 - Fossil Energy Research and Development (FER	2018	25400	Operation : AA6000000	C002841	1611272	AA6070000, Transformativ	0		Default WF 302017	TCF Fundin	\$488,763.00	\$0.00	\$0.00	\$0.00	\$488,763.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924243	KC0403030, Molecular Fou	0		Default WF 0	Default Loc	\$16,414.96	\$0.00	\$0.00	\$0.00	\$16,414.96	
500	089-X-0222 - Science Primary Fund (was WA)	2005	25400	Operation : KA0000000	C002852	2923681	KA1102812, Proton Facilitie	0		Default WF 0	Default Loc	\$250,000.00	\$0.00	\$0.00	\$0.00	\$250,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000	C002852	2924320	KA2103011, MIE	0		Default WF 485493	CHOPEMIE	\$990,040.45	\$0.00	\$0.00	\$0.00	\$990,040.45	
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation : KB0000000	C001009	2923728	KB0181012, Nuclear Physic	0		Default WF 0	Default Loc	\$34,228.17	\$0.00	\$0.00	\$0.00	\$34,228.17	
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KA0000000	C002852	2924363	KA2403013, Other Projects	0		Default WF 0	Default Loc	\$160.35	-\$160.35	\$0.00	-\$160.35	\$0.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2923752	KB0301052, Theory, SciDAC	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)	2019	25400	Operation : FS1000000	C000984	2923656	FS1006000, Personnel Secu	0		Default WF 0	Default Loc	\$143,097.03	\$0.00	\$0.00	\$0.00	\$143,097.03	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI	0		Default WF 0	Default Loc	\$0.00	\$39,380,000.00	\$0.00	\$39,380,000.00	\$39,380,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	32001	Constructio 39KA00000	C002786	2924263	39KA00000PRN11SC40000,0	0		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)	2019	25400	Operation : KP0000000	C001024	2924203	KP1601040, Computational	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 : KJ0000000	C001018	2924134	KJ0401000, Applied Mather	0		Default WF 0	Default Loc	\$400,000.00	\$0.00	\$0.00	\$0.00	\$400,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000	C000984	2923657	FS1007000, Material Contr	0		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)	2015	25400	Operation : KP0000000	C001024	2924417	KP1606000, Mesoscale to N	0		Default WF 0	Default Loc	\$67,264.21	\$0.00	\$0.00	\$0.00	\$67,264.21	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KJ0000000	C001018	2924476	KJ0403010, Computational	0		Default WF 0	Default Loc	\$482,000.00	\$0.00	\$0.00	\$0.00	\$482,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000	C002853	2924472	KC0201070, X-Ray Scatterir	0		Default WF 0	Default Loc	\$0.00	\$850,000.00	\$0.00	\$850,000.00	\$850,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	C002853	2923803	KC0301020, DO NOT USE!!!	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)	2014	25400	Operation : KC0000000	C002853	2923794	KC0281013, BNL-NSLS	0		Default WF 0	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	2924294	KC0202040, Mechanical Be	0		Default WF 0	Default Loc	\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$100,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000	C002853	2924405	KC0201060, Neutron and X	0		Default WF 0	Default Loc	\$0.00	\$1,550,000.00	\$0.00	\$1,550,000.00	\$1,550,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	C002852	2924346	KA2301020, National Labor	0		Default WF 0	Default Loc	\$0.00	\$378,000.00	\$0.00	\$378,000.00	\$378,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	C002853	2924300	KC0304030, DO NOT USE!!!	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 : KC0000000	C002853	2924241	KC0403010, Center for Nan	0		Default WF 0	Default Loc	\$16,414.96	\$0.00	\$0.00	\$0.00	\$16,414.96	
500	089-X-0222 - Science Primary Fund (was WA)	2017	31003	Other Equip KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI	0		Default WF 485396	CHEQU	\$621,412.12	\$0.00	\$0.00	\$0.00	\$621,412.12	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924314	KA2101030, University Serv	0		Default WF 0	Default Loc	\$373,836.00	\$0.00	\$0.00	\$0.00	\$373,836.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924355	KA2401012, National Labor	0		Default WF 0	Default Loc	\$1,209,355.21	\$0.00	\$0.00	\$0.00	\$1,209,355.21	
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major Item KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHI	0		Default WF 485499	CHEQUMIE	\$4,440,831.74	\$0.00	\$0.00	\$0.00	\$4,440,831.74	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2923733	KB0201021, Heavy Ion, RHI	0		Default WF 0	Default Loc	\$2,033,870.73	\$0.00	\$0.00	\$0.00	\$2,033,870.73	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI	0		Default WF 0	Default Loc	\$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 : KB0000000	C001009	2923752	KB0301052, Theory, SciDAC	0		Default WF 0	Default Loc	\$278,400.45	\$0.00	\$0.00	\$0.00	\$278,400.45	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000	C001024	2924462	KP1703040, DO NOT USE!!!	0		Default WF 0	Default Loc	\$525,530.65	\$0.00	\$0.00	\$0.00	\$525,530.65	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000	C000984	2923655	FS1005000, Cyber Security	0		Default WF 0	Default Loc	\$3,002,135.56	\$0.00	\$0.00	\$0.00	\$3,002,135.56	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	C002852	2924496	KA2602020, Accelerator Te	0		Default WF 0	Default Loc	\$0.00	\$2,010,000.00	\$0.00	\$2,010,000.00	\$2,010,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924193	KC0307010, Energy Frontie	0		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 : KC0000000	C002853	2923807	KC0302010, Chemical Energ	0		Default WF 0	Default Loc	\$0.00	\$1,653,000.00	\$0.00	\$1,653,000.00	\$1,653,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	C002852	2924327	KA2201090, Other Researcl	0		Default WF 0	Default Loc	\$0.00	\$62,600.00	\$0.00	\$62,600.00	\$62,600.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	C002852	2924325	KA2201020, National Labor	0		Default WF 0	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	25400	Operation : KA0000000	C002852	2923681	KA1102812, Proton Facilitie	0		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 KC0000000	C002853	2924233	KC0401040, National Synch	0		Default WF 485395	CHAIP	\$111,349.54	\$0.00	\$0.00	\$0.00	\$111,349.54	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KJ0000000	C001018	2924474	KJ0402010, Computer Scier	0		Default WF 0	Default Loc	\$451,512.00	\$0.00	\$0.00	\$0.00	\$451,512.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	C002852	2924357	KA2401021, Scientific Disc	0		Default WF 0	Default Loc	\$0.00	\$60,000.00	\$0.00	\$60,000.00	\$60,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Item KA0000000	C002852	2924320	KA2103011, MIE	0		Default WF 485496	CHEQUMIE	\$0.00	\$4,116,000.00	\$0.00	\$4,116,000.00	\$4,116,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000	C002852	2924368	KA2501021, LHC Accelerat	0		Default WF 0	Default Loc	\$1,009.15	\$0.00	\$0.00	\$0.00	\$1,009.15	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KP0000000	C001024	2924995	KP1703000, Earth and Envii	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 : KA0000000	C002852	2924326	KA2201030, University Serv	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	Constructio 39KG01000	C003087	2924481	39KG01000PRN17SC73000,0	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)	2019	25400	Operation : KL0000000	C001021	2924414	KL1500000, Outreach	0		Default WF 0	Default Loc	\$80,000.00	\$0.00	\$0.00	\$0.00	\$80,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	C002853	2924245	KC0403050, Center for Inte	0		Default WF 0	Default Loc	\$16,414.96	\$0.00	\$0.00	\$0.00	\$16,414.96	
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	C002852	2924325	KA2201020, National Labor	0		Default WF 0	Default Loc	\$0.00	\$1,924,000.00	\$0.00	\$1,924,000.00	\$1,924,000.00	
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000	C001009	2923755	KB0401022, Low Energy, Oi	0		Default WF 0	Default Loc	\$411,205.13	\$0.00	\$0.00	\$0.00	\$411,205.13	
500	089-X-0222 - Science Primary Fund (was WA)	2018	31001	Major Item KA0000000	C002852	2924350	KA2303011, MIE	0		Default WF 4809008	CHEQUMII	\$409,084.99	-\$409,084.99	\$0.00	-\$409,084.99	\$0.00	

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500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924356	KA2401019, Other Research		Default WF0		Default Loc	\$298,162.24	\$0.00	\$0.00	\$0.00	\$298,162.24
500	089-X-0222 - Science Primary Fund (was WA)	2020	32001	Constructio	KA0000000	C002786	2924263	39KA00000PRN11SC40000,0		Default WF0		Default Loc	\$0.00	\$1,000,000.00	\$0.00	\$1,000,000.00	\$1,000,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major Item	KC0000000	C002853	2924290	KC0405070, NSLS-II Experim		Default WF800038		CHEQU	\$0.00	\$0.00	\$1,678,000.00	\$1,678,000.00	\$1,678,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KL0000000		C001021	2924407	KL1002000, Community Co		Default WF0		Default Loc	\$0.00	\$110,000.00	\$0.00	\$110,000.00	\$110,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924371	KA2501032, National Labor		Default WF0		Default Loc	\$0.00	\$411,000.00	\$0.00	\$411,000.00	\$411,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KL0000000		C001021	2924406	KL1001000, Science Underg		Default WF0		Default Loc	\$0.00	\$1,144,000.00	\$0.00	\$1,144,000.00	\$1,144,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000		C001009	2923721	KB0101022, Medium Energ		Default WF0		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)	2019	25400	Operation : KB0000000		C001009	2923746	KB0301020, Theory, Nation		Default WF0		Default Loc	\$1,116,615.27	\$0.00	\$0.00	\$0.00	\$1,116,615.27
500	089-X-0222 - Science Primary Fund (was WA)	2019	32003	Accelerator	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI		Default WF485395		CHAIP	\$4,513,000.00	\$0.00	\$0.00	\$0.00	\$4,513,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924506	KC0202031, Theoretical Co		Default WF0		Default Loc	\$950,597.90	\$0.00	\$0.00	\$0.00	\$950,597.90
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KC0000000		C002853	2924295	KC0202050, Physical Behav		Default WF0		Default Loc	\$6,273.76	\$0.00	\$0.00	\$0.00	\$6,273.76
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000		C001024	2924209	KP1605010, Structural Biol		Default WF0		Default Loc	\$41,509.65	\$0.00	\$0.00	\$0.00	\$41,509.65
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000		C002853	2924193	KC0307010, Energy Frontie		Default WF0		Default Loc	\$237,487.39	\$0.00	\$0.00	\$0.00	\$237,487.39
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	3023325	KC0203020, Synthesis and I		Default WF0		Default Loc	\$0.00	\$1,291,000.00	\$0.00	\$1,291,000.00	\$1,291,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000		C002852	2924317	KA2102021, ATLAS Detecto		Default WF0		Default Loc	\$0.00	\$7,528,000.00	\$0.00	\$7,528,000.00	\$7,528,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000		C000984	2923658	FS1009000, Program Mana		Default WF0		Default Loc	\$0.00	\$216,000.00	\$0.00	\$216,000.00	\$216,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KB0000000		C001009	2924156	KB0201052, Heavy Ion Acc		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)	2019	25400	Operation : KA0000000		C002852	2924371	KA2501032, National Labor		Default WF0		Default Loc	\$1,163,151.16	\$0.00	\$0.00	\$0.00	\$1,163,151.16
500	089-X-0222 - Science Primary Fund (was WA)	2011	25400	Operation : KP0000000		C001024	2924206	KP1602020, Radiobiology		Default WF0		Default Loc	\$372.03	-\$372.03	\$0.00	-\$372.03	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924504	KC0202021, Experimental C		Default WF0		Default Loc	\$0.00	\$1,620,000.00	\$0.00	\$1,620,000.00	\$1,620,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2015	25400	Operation : KA0000000		C002852	2924313	KA2101020, National Labor		Default WF485474		CHOPEMIE	\$33.06	-\$33.06	\$0.00	-\$33.06	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation : KB0000000		C001009	2923741	KB0281011, Nuclear Physic		Default WF0		Default Loc	\$7,107.43	\$0.00	\$0.00	\$0.00	\$7,107.43
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KJ0000000		C001018	2924476	KJ0403010, Computational		Default WF0		Default Loc	\$176,950.94	\$0.00	\$0.00	\$0.00	\$176,950.94
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924305	KC0406020, Accelerator an		Default WF0		Default Loc	\$800,000.00	\$0.00	\$0.00	\$0.00	\$800,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000		C002853	2924299	KC0304020, Physical Biosci		Default WF0		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 : KA0000000		C002852	2924313	KA2101020, National Labor		Default WF0		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 : KP0000000		C001024	2924211	KP1701000, Atmospheric S		Default WF0		Default Loc	\$1,428,661.09	\$0.00	\$0.00	\$0.00	\$1,428,661.09
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924357	KA2401021, Scientific Disc		Default WF0		Default Loc	\$190,000.00	\$0.00	\$0.00	\$0.00	\$190,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000		C001009	2925029	KB0405012, Fund. Symmet		Default WF0		Default Loc	\$0.00	\$160,000.00	\$0.00	\$160,000.00	\$160,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000		C002853	2924299	KC0304020, Physical Biosci		Default WF0		Default Loc	\$0.00	\$1,672,000.00	\$0.00	\$1,672,000.00	\$1,672,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KB0000000		C001009	2923749	KB0301042, Theory, Nuclea		Default WF0		Default Loc	\$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 : KP0000000		C001024	2924203	KP1601040, Computational		Default WF0		Default Loc	\$78,003.33	\$0.00	\$0.00	\$0.00	\$78,003.33
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000		C000984	2923655	FS1005000, Cyber Security		Default WF0		Default Loc	\$0.00	\$972,000.00	\$0.00	\$972,000.00	\$972,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KJ0000000		C001018	2924134	KJ0401000, Applied Mather		Default WF0		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	25400	Operation : KA0000000		C002852	2924357	KA2401021, Scientific Disc		Default WF0		Default Loc	\$99,968.41	\$0.00	\$0.00	\$0.00	\$99,968.41
500	089-X-0222 - Science Primary Fund (was WA)	2019	31003	Other Equip	KC0000000	C002853	2924242	KC0403020, Center for Fun		Default WF485396		CHEQU	\$3,873,975.97	\$760,000.00	\$0.00	\$760,000.00	\$4,633,975.97
500	089-X-0222 - Science Primary Fund (was WA)	2017	32003	Accelerator	KA0000000	C002852	2924382	KA2602010, Accelerator Op		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	2924192	KC0207010, Energy Frontie		Default WF0		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)	2017	31001	Major Item	KA0000000	C002852	2924320	KA2103011, MIE		Default WF485486		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		Default WF0		Default Loc	\$142,448.06	\$0.00	\$0.00	\$0.00	\$142,448.06
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KC0000000		C002853	2923775	KC0202030, DO NOT USE!!!		Default WF0		Default Loc	\$305.56	\$0.00	\$0.00	\$0.00	\$305.56
500	089-X-0222 - Science Primary Fund (was WA)	2018	32002	General Pla	KG0700000	C002925	2924416	KG0701000, Facilities and I		Default WF0		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 : KA0000000		C002852	2924328	KA2202010, Experimental C		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)	2017	25400	Operation : KJ0000000		C001018	2924137	KJ0404000, Next Generatio		Default WF0		Default Loc	\$1,761.52	-\$1,761.52	\$0.00	-\$1,761.52	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924317	KA2102021, ATLAS Detecto		Default WF0		Default Loc	\$13,203,817.01	\$0.00	\$0.00	\$0.00	\$13,203,817.01
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000		C002852	2924489	KA2401032, QIS Research -		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)	2020	32001	Constructio	39KG01000	C003227	2924984	39KG01000PRN19SC71000,0		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	2924366	KA2501012, National Labor		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 : KB0000000		C001009	2923721	KB0101022, Medium Energ		Default WF0		Default Loc	\$0.00	\$420,000.00	\$0.00	\$420,000.00	\$420,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KP0000000		C001024	2924200	KP1601010, Foundational C		Default WF0		Default Loc	\$2,771,000.00	\$0.00	\$0.00	\$0.00	\$2,771,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KP0000000		C001024	2924203	KP1601040, Computational		Default WF0		Default Loc	\$0.00	\$182,000.00	\$0.00	\$182,000.00	\$182,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major Item	KA0000000	C002852	2924320	KA2103011, MIE		Default WF485498		CHEQU	\$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 : KB0000000		C001009	2924156	KB0201052, Heavy Ion Acc		Default WF0		Default Loc	\$214,000.00	\$0.00	\$0.00	\$0.00	\$214,000.00

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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
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation ;	KA0000000	C002852	2924314	KA2101030, University Serv		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)	2014	25400	Operation ;	KA0000000	C002852	2923681	KA1102812, Proton Facilitie		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)	2018	32003	Accelerator	KA0000000	C002852	2924496	KA2602020, Accelerator Te		Default WF485395	CHAIP		\$76,475.60	\$0.00	\$0.00	\$0.00	\$76,475.60
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	KA0000000	C002852	2924336	KA2202090, Other Facilities		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)	2020	31001	Major Item	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHI		Default WF485499	CHEQUMIE		\$0.00	\$1,970,000.00	\$0.00	\$1,970,000.00	\$1,970,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KC0000000	C002853	2924305	KC0406020, Accelerator an		Default WF0	Default Loc		\$0.00	\$400,000.00	\$0.00	\$400,000.00	\$400,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	AT0000000	C000840	2925051	AT1050000, Innovation Net		Default WF0	Default Loc		\$0.00	\$160,000.00	\$0.00	\$160,000.00	\$160,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31003	Other Equi	KC0000000	C002853	2925052	KC0405080, NSRC Recapita		Default WF485396	CHEQU		\$0.00	\$250,000.00	-\$250,000.00	\$0.00	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KB0000000	C001009	2923746	KB0301020, Theory, Natio		Default WF0	Default Loc		\$0.00	\$820,000.00	\$0.00	\$820,000.00	\$820,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	FS1000000	C000984	2923652	FS1001000, Protective Forc		Default WF0	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)	2020	31003	Other Equi	KC0000000	C002853	2924290	KC0405070, NSLS-II Experin		Default WF485396	CHEQU		\$0.00	\$1,678,000.00	-\$1,678,000.00	\$0.00	\$0.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	KP0000000	C001024	2924204	KP1601050, Bioenergy Rese		Default WF0	Default Loc		\$158,276.45	\$0.00	\$0.00	\$0.00	\$158,276.45
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	KJ0000000	C001018	2924510	KJ0402030, Computer Scier		Default WF0	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 ;	KC0000000	C002853	2924242	KC0403020, Center for Fun		Default WF0	Default Loc		\$11,530,578.90	-\$760,000.00	\$0.00	-\$760,000.00	\$10,770,578.90
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KP0000000	C001024	2924204	KP1601050, Bioenergy Rese		Default WF0	Default Loc		\$0.00	\$401,000.00	\$0.00	\$401,000.00	\$401,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	31003	Other Equi	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHI		Default WF485396	CHEQU		\$797,555.36	\$0.00	\$0.00	\$0.00	\$797,555.36
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation ;	KP0000000	C001024	2924200	KP1601010, Foundational C		Default WF0	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)	2018	25400	Operation ;	KL0000000	C001021	2924408	KL1003000, Visiting Faculty		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)	2020	25400	Operation ;	KA0000000	C002852	2924336	KA2202090, Other Facilities		Default WF0	Default Loc		\$0.00	\$122,000.00	\$0.00	\$122,000.00	\$122,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KC0000000	C002853	2925000	KC0304031, Solar Photoche		Default WF0	Default Loc		\$0.00	\$2,677,000.00	\$0.00	\$2,677,000.00	\$2,677,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	KA0000000	C002852	2924346	KA2301020, National Labor		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)	2020	25400	Operation ;	FS1000000	C000984	2923654	FS1004000, Information Se		Default WF0	Default Loc		\$0.00	\$146,000.00	\$0.00	\$146,000.00	\$146,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation ;	KC0000000	C002853	2924460	KC0301050, DO NOT USE!!!		Default WF0	Default Loc		\$8.95	\$0.00	\$0.00	\$0.00	\$8.95
500	089-X-0222 - Science Primary Fund (was WA)	2014	25400	Operation ;	KC0000000	C002853	2924248	KC0404040, National Synch		Default WF0	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 ;	KP0000000	C001024	2924993	KP1607010, Biomolecular C		Default WF0	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)	2020	25400	Operation ;	KB0000000	C001009	2923733	KB0201021, Heavy Ion, RHI		Default WF0	Default Loc		\$0.00	\$1,960,000.00	\$0.00	\$1,960,000.00	\$1,960,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	32001	Constructi	39KG01000	C003087	2924481	39KG01000PRN175C73000		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)	2019	25400	Operation ;	KA0000000	C002852	2924358	KA2401022, Scientific Com		Default WF0	Default Loc		\$424,442.87	\$0.00	\$0.00	\$0.00	\$424,442.87
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KC0000000	C002853	2923769	KC0201010, Structure Of M		Default WF0	Default Loc		\$0.00	\$1,445,000.00	\$0.00	\$1,445,000.00	\$1,445,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KP0000000	C001024	2924995	KP1703000, Earth and Envi		Default WF0	Default Loc		\$0.00	\$171,000.00	\$0.00	\$171,000.00	\$171,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KC0000000	C002853	2924233	KC0401040, National Synch		Default WF0	Default Loc		\$0.00	\$34,768,000.00	\$0.00	\$34,768,000.00	\$34,768,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KA0000000	C002852	2924313	KA2101020, National Labor		Default WF0	Default Loc		\$0.00	\$1,806,000.00	\$0.00	\$1,806,000.00	\$1,806,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32002	General Pla	KG0700000	C002925	2924416	KG0701000, Facilities and li		Default WF485403	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)	2019	25400	Operation ;	KA0000000	C002852	2924380	KA2601020, National Labor		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)	2019	25400	Operation ;	KB0000000	C001009	2923734	KB0201022, Heavy Ion, Oth		Default WF0	Default Loc		\$3.66	\$0.00	\$0.00	\$0.00	\$3.66
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	FS1000000	C000984	2923658	FS1009000, Program Mana		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 ;	KL0000000	C001021	2924407	KL1002000, Community Co		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)	2019	31003	Other Equi	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHI		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	31003	Other Equi	KP0000000	C001024	2924993	KP1607010, Biomolecular C		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	25400	Operation ;	KA0000000	C002852	2924496	KA2602020, Accelerator Te		Default WF0	Default Loc		\$443,959.88	\$0.00	\$0.00	\$0.00	\$443,959.88
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KP0000000	C001024	2924993	KP1607010, Biomolecular C		Default WF0	Default Loc		\$0.00	\$1,449,000.00	\$0.00	\$1,449,000.00	\$1,449,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	KC0000000	C002853	2924447	KC0213010, Computational		Default WF0	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)	2018	31003	Other Equi	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI		Default WF485396	CHEQU		\$824,000.00	\$0.00	\$0.00	\$0.00	\$824,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KA0000000	C002852	2924328	KA2202010, Experimental C		Default WF0	Default Loc		\$0.00	\$824,000.00	\$0.00	\$824,000.00	\$824,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	FS1000000	C000984	2923653	FS1002000, Security System		Default WF0	Default Loc		\$508,702.69	\$0.00	\$0.00	\$0.00	\$508,702.69
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KP0000000	C001024	2924200	KP1601010, Foundational C		Default WF0	Default Loc		\$0.00	\$299,000.00	\$0.00	\$299,000.00	\$299,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	KA0000000	C002852	2924366	KA2501012, National Labor		Default WF0	Default Loc		\$0.00	\$63,000.00	\$0.00	\$63,000.00	\$63,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	KC0000000	C002853	2924233	KC0401040, National Synch		Default WF0	Default Loc		\$26,835,229.75	\$0.00	\$0.00	\$0.00	\$26,835,229.75
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation ;	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHI		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)	2016	25400	Operation ;	KA0000000	C002852	2924369	KA2501022, Muon Accelera		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)	2019	32001	Constructi	39KG01000	C003227	2924984	39KG01000PRN195C71000		Default WF0	Default Loc		\$6,601,686.24	\$0.00	\$0.00	\$0.00	\$6,601,686.24
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation ;	FS1000000	C000984	2923656	FS1006000, Personnel Secu		Default WF0	Default Loc		\$0.00	\$171,000.00	\$0.00	\$171,000.00	\$171,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32001	Constructi	39KG00000	C003255	2925037	39KG00000PRN205C71000		Default WF0	Default Loc		\$0.00	\$3,280,000.00	\$0.00	\$3,280,000.00	\$3,280,000.00

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500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	KC0000000	C002853	2924504	KC0202021, Experimental C0		Default WF0		Default Loc	\$2,198,710.03	\$0.00	\$0.00	\$0.00	\$2,198,710.03
500	089-X-0222 - Science Primary Fund (was WA)	2016	25400	Operation : KP0000000	KP0000000	C001024	2924205	KP1602010, Radiochemistr0		Default WF0		Default Loc	\$4,286.34	\$0.00	\$0.00	\$0.00	\$4,286.34
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	KC0000000	C002853	2923769	KC0201010, Structure Of M0		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)	2019	31003	Other Equi KB0000000	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI 0		Default WF485396	CHEQU		\$1,849,000.00	\$0.00	\$0.00	\$0.00	\$1,849,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	KC0000000	C002853	2924405	KC0201060, Neutron and X 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 : KA0000000	KA0000000	C002852	2924327	KA2201090, Other ResearcI0		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)	2020	25400	Operation : KP0000000	KP0000000	C001024	2924211	KP1701000, Atmospheric S 0		Default WF0		Default Loc	\$0.00	\$1,461,000.00	\$0.00	\$1,461,000.00	\$1,461,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000	FS1000000	C000984	2923652	FS1001000, Protective Forc 0		Default WF0		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 : KA0000000	KA0000000	C002852	2924348	KA2302010, Experimental C0		Default WF0		Default Loc	\$0.00	\$175,000.00	\$0.00	\$175,000.00	\$175,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31003	Other Equi KB0000000	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI 0		Default WF485396	CHEQU		\$0.00	\$220,000.00	\$0.00	\$220,000.00	\$220,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KL0000000	KL0000000	C001021	2924414	KL1500000, Outreach 0		Default WF0		Default Loc	\$11,820.36	\$0.00	\$0.00	\$0.00	\$11,820.36
500	089-X-0222 - Science Primary Fund (was WA)	2019	31001	Major ItemKA0000000	KA0000000	C002852	2924320	KA2103011, MIE 0		Default WF485496	CHEQUMIE		\$2,441,780.26	\$0.00	\$0.00	\$0.00	\$2,441,780.26
500	089-X-0222 - Science Primary Fund (was WA)	2019	32003	Accelerator KC0000000	KC0000000	C002853	2924233	KC0401040, National Synch0		Default WF485395	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	KL0000000	C001021	2924408	KL1003000, Visiting Faculty0		Default WF0		Default Loc	\$450,000.00	\$0.00	\$0.00	\$0.00	\$450,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000	KC0000000	C002853	2924506	KC0202031, Theoretical Coi0		Default WF0		Default Loc	\$0.00	\$1,047,000.00	\$0.00	\$1,047,000.00	\$1,047,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000	KP0000000	C001024	2924216	KP1703020, DO NOT USE!!!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)	2017	25400	Operation : KC0000000	KC0000000	C002853	2923774	KC0202020, DO NOT USE!!!0		Default WF0		Default Loc	\$7,280.81	\$0.00	\$0.00	\$0.00	\$7,280.81
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KL0000000	KL0000000	C001021	2924406	KL1001000, Science Underg0		Default WF0		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)	2019	25400	Operation : KC0000000	KC0000000	C002853	2924244	KC0403040, Center for Nan0		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)	2020	25400	Operation : FS1000000	FS1000000	C000984	2923653	FS1002000, Security System0		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)	2018	25400	Operation : FS1000000	FS1000000	C000984	2923657	FS1007000, Material Contr0		Default WF0		Default Loc	\$15,266.81	\$0.00	\$0.00	\$0.00	\$15,266.81
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	KC0000000	C002853	3023325	KC0203020, Synthesis and IO		Default WF0		Default Loc	\$280,952.16	\$0.00	\$0.00	\$0.00	\$280,952.16
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	KA0000000	C002852	2924358	KA2401022, Scientific Com 0		Default WF0		Default Loc	\$0.00	\$152,000.00	\$0.00	\$152,000.00	\$152,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KJ0000000	KJ0000000	C001018	2924510	KJ0402030, Computer Scier0		Default WF0		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	31001	Major ItemKA0000000	KA0000000	C002852	2924320	KA2103011, MIE 0		Default WF485498	CHEQUMIE		\$0.00	\$7,025,000.00	\$0.00	\$7,025,000.00	\$7,025,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHI 0		Default WF0		Default Loc	\$0.00	\$12,020,000.00	\$0.00	\$12,020,000.00	\$12,020,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : FS1000000	FS1000000	C000984	2923657	FS1007000, Material Contr0		Default WF0		Default Loc	\$0.00	\$204,000.00	\$0.00	\$204,000.00	\$204,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KA0000000	KA0000000	C002852	2924355	KA2401012, National Labor 0		Default WF0		Default Loc	\$0.00	\$1,299,000.00	\$0.00	\$1,299,000.00	\$1,299,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	31001	Major ItemKC0000000	KC0000000	C002853	2925052	KC0405080, NSRC Recapita 0		Default WF800039	CHEQUMIE		\$0.00	\$0.00	\$250,000.00	\$250,000.00	\$250,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	KC0000000	C002853	2924421	KC0406030, Long Term Sur0		Default WF0		Default Loc	\$503,962.44	\$0.00	\$0.00	\$0.00	\$503,962.44
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	KC0000000	C002853	2924192	KC0207010, Energy Frontie 0		Default WF0		Default Loc	\$611,057.47	\$0.00	\$0.00	\$0.00	\$611,057.47
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KJ0000000	KJ0000000	C001018	2924476	KJ0403010, Computational 0		Default WF0		Default Loc	\$0.00	\$328,000.00	\$0.00	\$328,000.00	\$328,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KJ0000000	KJ0000000	C001018	2924134	KJ0401000, Applied Mather0		Default WF0		Default Loc	\$101,496.52	\$0.00	\$0.00	\$0.00	\$101,496.52
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	KC0000000	C002853	2923807	KC0302010, Chemical Ener 0		Default WF0		Default Loc	\$1,940,003.60	\$0.00	\$0.00	\$0.00	\$1,940,003.60
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KP0000000	KP0000000	C001024	2924514	KP1606010, DO NOT USE!!!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)	2018	32003	Accelerator KB0000000	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI 0		Default WF485395	CHAIP		\$1,199,490.39	\$0.00	\$0.00	\$0.00	\$1,199,490.39
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	KA0000000	C002852	2924348	KA2302010, Experimental C0		Default WF0		Default Loc	\$186,151.30	\$0.00	\$0.00	\$0.00	\$186,151.30
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	KC0000000	C002853	2924472	KC0201070, X-Ray Scatterir 0		Default WF0		Default Loc	\$2,094,051.59	\$0.00	\$0.00	\$0.00	\$2,094,051.59
500	089-X-0222 - Science Primary Fund (was WA)	2020	31003	Other Equi KB0000000	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHI 0		Default WF485396	CHEQU		\$0.00	\$1,070,000.00	\$0.00	\$1,070,000.00	\$1,070,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KA0000000	KA0000000	C002852	2924366	KA2501012, National Labor 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)	2019	25400	Operation : KC0000000	KC0000000	C002853	2924294	KC0202040, Mechanical Be 0		Default WF0		Default Loc	\$47,205.83	\$0.00	\$0.00	\$0.00	\$47,205.83
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : FS1000000	FS1000000	C000984	2923654	FS1004000, Information Se 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	KA0000000	C002852	2924380	KA2601020, National Labor 0		Default WF0		Default Loc	\$57,442.12	\$0.00	\$0.00	\$0.00	\$57,442.12
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	KC0000000	C002853	2924305	KC0406020, Accelerator an 0		Default WF0		Default Loc	\$346,746.48	\$0.00	\$0.00	\$0.00	\$346,746.48
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KC0000000	KC0000000	C002853	2924242	KC0403020, Center for Fun-0		Default WF0		Default Loc	\$0.00	\$7,566,000.00	\$0.00	\$7,566,000.00	\$7,566,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2020	32003	Accelerator KB0000000	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHI 0		Default WF485395	CHAIP		\$0.00	\$760,000.00	\$0.00	\$760,000.00	\$760,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2017	25400	Operation : KA0000000	KA0000000	C002852	2924382	KA2602010, Accelerator Op 0		Default WF0		Default Loc	\$1,756.28	-\$35.40	\$0.00	-\$35.40	\$1,720.88
500	089-X-0222 - Science Primary Fund (was WA)	2020	25400	Operation : KB0000000	KB0000000	C001009	2923749	KB0301042, Theory, Nuclea 0		Default WF0		Default Loc	\$0.00	\$1,000,000.00	\$0.00	\$1,000,000.00	\$1,000,000.00
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KA0000000	KA0000000	C002852	2924319	KA2102090, Other Facilities0		Default WF0		Default Loc	\$310.62	\$0.00	\$0.00	\$0.00	\$310.62
500	089-X-0222 - Science Primary Fund (was WA)	2018	25400	Operation : KC0000000	KC0000000	C002853	2924447	KC0213010, Computational0		Default WF0		Default Loc	\$785,276.27	\$0.00	\$0.00	\$0.00	\$785,276.27
500	089-X-0222 - Science Primary Fund (was WA)	2019	25400	Operation : KC0000000	KC0000000	C002853	2925000	KC0304031, Solar Photoche 0		Default WF0		Default Loc	\$2,059,588.59	\$0.00	\$0.00	\$0.00	\$2,059,588.59
510	089-X-0222 - Science Reimbursable Work Technology Transf	2020	25400	Operation : 456100000	456100000	C003005	6600199	456165021, Cooperative Re 4861091	CHAGRRIKI			Default Loc	\$0.00	\$140,751.48	\$0.00	\$140,751.48	\$140,751.48
510	089-X-0222 - Science Reimbursable Work Technology Transf	2019	25400	Operation : 456100000	456100000	C003005	6600199	456165021, Cooperative Re 4861091	CHAGRRIKI			Default Loc	\$126,259.91	-\$21,063.96	\$0.00	-\$21,063.96	\$105,195.95

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0157 [January Part 2]
 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
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2018	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2016	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 4861195	CHAGR844	0	Default Loc		\$0.00	\$55,502.59	\$0.00	\$55,502.59	\$55,502.59
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 4801577	CH AGR878	0	Default Loc		\$50,485.44	\$0.00	\$0.00	\$0.00	\$50,485.44
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 4861197	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	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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 - Dom 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	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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	6600146	456160031, Industry - Dom 4861158	CHAGR844	0	Default Loc		\$6,021.68	\$0.00	\$0.00	\$0.00	\$6,021.68
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 4861104	CHAGR843	0	Default Loc		\$0.00	\$41,456.36	\$0.00	\$41,456.36	\$41,456.36
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2018	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 4801577	CH AGR878	0	Default Loc		\$50,485.44	\$0.00	\$0.00	\$0.00	\$50,485.44
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 4861139	AGR84417	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	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 4861176	CHAGR844	0	Default Loc		\$0.00	\$194,174.76	\$0.00	\$194,174.76	\$194,174.76
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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 - Dom 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	6600147	456160032, Industry - Fore 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 - Dom 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 - Dom 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 - Fore 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	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 4861160	CHAGR844	0	Default Loc		\$0.00	\$27,137.59	\$0.00	\$27,137.59	\$27,137.59
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 4861164	CHAGR844	0	Default Loc		\$4,583.97	-\$4,583.34	\$0.00	-\$4,583.34	\$0.63
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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	2017	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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 - Dom 4861170	CHAGR844	0	Default Loc		\$22,135.92	\$0.00	\$0.00	\$0.00	\$22,135.92
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 4861186	CHAGR844	0	Default Loc		\$0.00	\$11,178.00	\$0.00	\$11,178.00	\$11,178.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 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 - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 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	2019	25400	Operation	:456100000	C003005	6600147	456160032, Industry - Fore 4861175	CHAGR844	0	Default Loc		\$30,694.87	\$0.00	\$0.00	\$0.00	\$30,694.87
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 4861192	CHAGR844	0	Default Loc		\$0.00	\$44,271.84	\$0.00	\$44,271.84	\$44,271.84
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 4861204	CHAGR844	0	Default Loc		\$0.00	\$15,000.00	\$0.00	\$15,000.00	\$15,000.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 4861178	CHAGR844	0	Default Loc		\$0.00	\$35,361.35	\$0.00	\$35,361.35	\$35,361.35
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2020	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation	:456100000	C003005	6600146	456160031, Industry - Dom 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	6600146	456160031, Industry - Dom 4861181	CHAGR844	0	Default Loc		\$0.00	\$44,271.84	\$0.00	\$44,271.84	\$44,271.84

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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	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4861191	CHAGR844 0			Default Loc	\$0.00	\$27,751.05	\$0.00	\$27,751.05	\$27,751.05
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2017	25400	Operation :456100000	C003005	6600147	456160032, Industry - Fore 4801577	CHAGR878 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 - Dom 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	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 4861177	CHAGR844 0			Default Loc	\$0.00	\$54,767.73	\$0.00	\$54,767.73	\$54,767.73
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4861023	CHAGR840 0			Default Loc	\$0.00	\$39,025.66	\$0.00	\$39,025.66	\$39,025.66
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation :456100000	C003005	6600147	456160032, Industry - Fore 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 - Dom 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	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 4861052	CHAGR841 0			Default Loc	\$0.00	\$885,004.06	\$0.00	\$885,004.06	\$885,004.06
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	6600146	456160031, Industry - Dom 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	2018	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4861090	CHAGR843 0			Default Loc	\$29,453.57	\$0.00	\$0.00	\$0.00	\$29,453.57
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2018	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 4861128	CHAGR844 0			Default Loc	\$0.00	\$2,337.50	\$0.00	\$2,337.50	\$2,337.50
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4860936	CHAGR872 0			Default Loc	\$0.00	\$2,211.71	-\$2,211.71	\$0.00	\$0.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 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 - Fore 4861213	CHAGR844 0			Default Loc	\$0.00	\$33,301.25	\$0.00	\$33,301.25	\$33,301.25
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600147	456160032, Industry - Fore 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 - Dom 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 - Dom 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 - Dom 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 - Dom 4861135	CHAGR844 0			Default Loc	\$0.00	\$221,359.20	\$0.00	\$221,359.20	\$221,359.20
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	6600146	456160031, Industry - Dom 4861144	CHAGR844 0			Default Loc	\$3,427.80	\$0.00	\$0.00	\$0.00	\$3,427.80
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600147	456160032, Industry - Fore 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	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2014	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4860871	CHAGR872 0			Default Loc	\$70,159.64	\$0.00	\$0.00	\$0.00	\$70,159.64
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 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 - Dom 4861139	CHAGR844 0			Default Loc	\$54,055.25	\$0.00	\$0.00	\$0.00	\$54,055.25
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4861190	CHAGR844 0			Default Loc	\$0.00	\$17,595.06	\$0.00	\$17,595.06	\$17,595.06
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600147	456160032, Industry - Fore 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	2018	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4861203	CHAGR844 0			Default Loc	\$0.00	\$8,333.00	\$0.00	\$8,333.00	\$8,333.00
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2018	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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 - Dom 4861063	CHAGR842 0			Default Loc	\$9,628.13	\$0.00	\$0.00	\$0.00	\$9,628.13
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4861196	CHAGR844 0			Default Loc	\$0.00	\$6,007.85	\$0.00	\$6,007.85	\$6,007.85
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	6600146	456160031, Industry - Dom 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	6600146	456160031, Industry - Dom 4861115	CHAGR843 0			Default Loc	\$0.00	\$3,825.29	\$0.00	\$3,825.29	\$3,825.29
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2020	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 4861098	CHAGR843 0			Default Loc	\$0.00	\$4,110.89	\$0.00	\$4,110.89	\$4,110.89
511	089-X-0222	- Science Reimbursable Work with Non-Federal	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2019	25400	Operation :456100000	C003005	6600146	456160031, Industry - Dom 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	2020	25400	Operation :456100000	C003005	6600147	456160032, Industry - Fore 4801577	CHAGR878 0			Default Loc	\$0.00	\$25,242.72	\$0.00	\$25,242.72	\$25,242.72

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Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OC	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	2020	25400	Operation : 456100000		C003005	6600146	456160031, Industry - Dom 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	2020	25400	Operation : 456100000		C003005	6600146	456160031, Industry - Dom 4861193	CHAGR840		0		Default Loc \$0.00	\$26,869.78	\$0.00	\$26,869.78	\$26,869.78
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation : 456100000		C003005	6600146	456160031, Industry - Dom 4861174	CHAGR844		0		Default Loc \$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00
511	089-X-0222 - Science Reimbursable Work with Non-Federal	2019	25400	Operation : 456100000		C003005	6600146	456160031, Industry - Dom 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	6600147	456160032, Industry - Fore 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 - Dom 4861159	CHAGR844		0		Default Loc \$0.00	\$26,178.58	\$0.00	\$26,178.58	\$26,178.58
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regula 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	2013	25400	Operation : 456100000		C003005	6600066	456140351, Department of 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	2018	25400	Operation : 456100000		C003005	6600007	456140050, Research & De 4860850	CHAGR201		0		Default Loc \$193.69	\$0.00	\$0.00	\$0.00	\$193.69
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regula 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	2020	25400	Operation : 456100000		C003005	6600069	456140354, U.S. Agency Fo 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	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	2014	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 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	2018	25400	Operation : 456100000		C003005	6600051	456140200, Research & De 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	2014	25400	Operation : 456100000		C003005	6600007	456140050, Research & De 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	2016	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 4860724	CH189V61/		0		Default Loc \$3,761.11	\$0.00	\$0.00	\$0.00	\$3,761.11
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600066	456140351, Department of 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	2018	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other 4861069	CHAGR80H		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	2019	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 4860894	CHAGRNR/		0		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	6600066	456140351, Department of 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	2007	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other 4860316	CHAGRNNJ/		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	2017	25400	Operation : 456100000		C003005	6600007	456140050, Research & De 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	2014	25400	Operation : 456100000		C003005	6600073	456140358, Other Federal / 3011110	CRAGRS-OI/		0		Default Loc \$121.25	-\$121.25	\$0.00	-\$121.25	\$0.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 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	2019	25400	Operation : 456100000		C003005	6600073	456140358, Other Federal / 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	2019	25400	Operation : 456100000		C003005	6600050	456140196, NASA Other 4861073	CHAGR80H/		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	2015	25400	Operation : 456100000		C003005	6600053	456140220, Research & De 4860897	CHAGR21/		0		Default Loc \$6,228.29	\$0.00	\$0.00	\$0.00	\$6,228.29
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 4860947	CHAGRNR/		0		Default Loc \$1,430.36	\$0.00	\$0.00	\$0.00	\$1,430.36
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation : 456100000		C003005	6600100	456140375, Nuclear Regula 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	2019	25400	Operation : 456100000		C003005	6600007	456140050, Research & De 4861123	CHAGR18/		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 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	2011	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regula 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	2017	25400	Operation : 456100000		C003005	6600007	456140050, Research & De 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	2015	25400	Operation : 456100000		C003005	6600053	456140220, Research & De 4803492	CH AGRNII/		0		Default Loc \$822,752.00	\$0.00	\$0.00	\$0.00	\$822,752.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation : 456100000		C003005	6600072	456140357, Department of 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	2016	25400	Operation : 456100000		C003005	6600066	456140351, Department of 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	2014	25400	Operation : 456100000		C003005	6600053	456140220, Research & De 4803492	CH AGRNII/		0		Default Loc \$731,897.00	\$0.00	\$0.00	\$0.00	\$731,897.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 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	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	2013	25400	Operation : 456100000		C003005	6600067	456140352, Department of 4860796	CHAGRSIA/		0		Default Loc \$19.78	\$0.00	\$0.00	\$0.00	\$19.78
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation : 456100000		C003005	6600073	456140358, Other Federal / 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	6600050	456140196, NASA Other 4861169	CHAGR80G/		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	2015	25400	Operation : 456100000		C003005	6600007	456140050, Research & De 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	2017	25400	Operation : 456100000		C003005	6600007	456140050, Research & De 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	6600050	456140196, NASA Other 4860927	CHAGRNNI/		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	6600007	456140050, Research & De 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 & De 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	2013	25400	Operation : 456100000		C003005	6600053	456140220, Research & De 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	2019	25400	Operation : 456100000		C003005	6600096	456140371, Nuclear Regula 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	2015	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 4860913	CHAGRNR/		0		Default Loc \$151.73	\$0.00	\$0.00	\$0.00	\$151.73
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation : 456100000		C003005	6600099	456140374, Nuclear Regula 4860948	CHAGRNR/		0		Default Loc \$93,297.65	\$0.00	\$0.00	\$0.00	\$93,297.65
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation : 456100000		C003005	6600053	456140220, Research & De 4860902	CHAGR14/		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	2012	25400	Operation : 456100000		C003005	6600053	456140220, Research & De 4804168	CH AGRY1/		0</						

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0157 [January Part 2]
 DE-SC0012704

Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OCL	Program	Program Title	WFO	WFO Title	Local Use	Local Use Code	Beginning Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation :	456100000	C003005	6600053	456140220, Research & De	4803492	CH AGRNIF-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	2017	25400	Operation :	456100000	C003005	6600099	456140374, Nuclear Regula	4860911	CHAGRNR0		Default Loc	\$72,595.39	\$0.00	\$0.00	\$0.00	\$72,595.39
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4860991	CHAGRNNF0		Default Loc	\$112,621.36	\$0.00	\$0.00	\$0.00	\$112,621.36
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4860979	CHAGRNNJ0		Default Loc	\$7,251,862.99	-\$3,592,233.01	\$0.00	-\$3,592,233.01	\$3,659,629.98
512	089-X-0222 - Science Reimbursable Work with Other Federa	2020	25400	Operation :	456100000	C003005	6600096	456140371, Nuclear Regula	4860873	CHAGRNR0		Default Loc	\$0.00	\$29,126.21	\$0.00	\$29,126.21	\$29,126.21
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation :	456100000	C003005	6600007	456140050, Research & De	4860849	CHAGR2010		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	2015	25400	Operation :	456100000	C003005	6600072	456140357, Department of	4860914	CHAGR1930		Default Loc	\$260.99	\$0.00	\$0.00	\$0.00	\$260.99
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation :	456100000	C003005	6600053	456140220, Research & De	4861180	CHAGRP300		Default Loc	\$3,600,000.00	\$0.00	\$0.00	\$0.00	\$3,600,000.00
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation :	456100000	C003005	6600069	456140354, U.S. Agency Fo	4860930	CHAGRAID0		Default Loc	\$59,493.70	\$0.00	\$0.00	\$0.00	\$59,493.70
512	089-X-0222 - Science Reimbursable Work with Other Federa	2005	25400	Operation :	456100000	C003005	6600053	456140220, Research & De	4803774	CH AGRRW0		Default Loc	\$527,491.57	\$0.00	\$0.00	\$0.00	\$527,491.57
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation :	456100000	C003005	6600066	456140351, Department of	4861057	CH1931CP0		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	2019	25400	Operation :	456100000	C003005	6600069	456140354, U.S. Agency Fo	4860930	CHAGRAID0		Default Loc	\$359,733.49	\$0.00	\$0.00	\$0.00	\$359,733.49
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation :	456100000	C003005	6600099	456140374, Nuclear Regula	4860817	CH189V640		Default Loc	\$1,784.78	\$0.00	\$0.00	\$0.00	\$1,784.78
512	089-X-0222 - Science Reimbursable Work with Other Federa	2013	25400	Operation :	456100000	C003005	6600007	456140050, Research & De	4860561	CHAGR9EV0		Default Loc	\$11,621.01	\$0.00	\$0.00	\$0.00	\$11,621.01
512	089-X-0222 - Science Reimbursable Work with Other Federa	2016	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4860745	CHAGRNNJ0		Default Loc	\$6,224.31	\$0.00	\$0.00	\$0.00	\$6,224.31
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation :	456100000	C003005	6600007	456140050, Research & De	4861054	CHAGRNA10		Default Loc	\$8,453.63	\$0.00	\$0.00	\$0.00	\$8,453.63
512	089-X-0222 - Science Reimbursable Work with Other Federa	2015	25400	Operation :	456100000	C003005	6600067	456140352, Department of	4860964	CHAGR1930		Default Loc	\$68,048.75	\$0.00	\$0.00	\$0.00	\$68,048.75
512	089-X-0222 - Science Reimbursable Work with Other Federa	2005	25400	Operation :	456100000	C003005	6600066	456140351, Department of	4806666	CHAGRRW0		Default Loc	\$394,234.20	\$0.00	\$0.00	\$0.00	\$394,234.20
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4860991	CHAGRNNF0		Default Loc	\$190,814.09	\$0.00	\$0.00	\$0.00	\$190,814.09
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation :	456100000	C003005	6600096	456140371, Nuclear Regula	4860873	CHAGRNR0		Default Loc	\$129,900.08	\$0.00	\$0.00	\$0.00	\$129,900.08
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation :	456100000	C003005	6600053	456140220, Research & De	4861118	CHAGR1R20		Default Loc	\$199,458.49	\$0.00	\$0.00	\$0.00	\$199,458.49
512	089-X-0222 - Science Reimbursable Work with Other Federa	2017	25400	Operation :	456100000	C003005	6600099	456140374, Nuclear Regula	4860901	CHAGRNR0		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 Regula	4861125	CHNRC3130		Default Loc	\$155,641.60	\$0.00	\$0.00	\$0.00	\$155,641.60
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation :	456100000	C003005	6600096	456140371, Nuclear Regula	4860776	CH189QBV0		Default Loc	\$9,993.07	\$0.00	\$0.00	\$0.00	\$9,993.07
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation :	456100000	C003005	6600096	456140371, Nuclear Regula	4860873	CHAGRNR0		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	4860942	CHAGRNNJ0		Default Loc	\$181,755.69	\$0.00	\$0.00	\$0.00	\$181,755.69
512	089-X-0222 - Science Reimbursable Work with Other Federa	2019	25400	Operation :	456100000	C003005	6600007	456140050, Research & De	4861131	CHAGRER20		Default Loc	\$12,305.74	\$0.00	\$0.00	\$0.00	\$12,305.74
512	089-X-0222 - Science Reimbursable Work with Other Federa	2014	25400	Operation :	456100000	C003005	6600099	456140374, Nuclear Regula	4860657	CH189V610		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 Regula	4860941	CHAGRNR0		Default Loc	\$26,293.22	\$0.00	\$0.00	\$0.00	\$26,293.22
512	089-X-0222 - Science Reimbursable Work with Other Federa	2018	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4860992	CHAGRNNF0		Default Loc	\$50.71	\$0.00	\$0.00	\$0.00	\$50.71
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2019	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4861010	CHAGR8730		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	2019	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4861108	CHAGR8430		Default Loc	\$3,602,103.30	\$0.00	\$0.00	\$0.00	\$3,602,103.30
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2018	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4860834	CHAGR8720		Default Loc	\$13,298.02	\$0.00	\$0.00	\$0.00	\$13,298.02
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2019	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4860823	CHAGR8720		Default Loc	\$35,674.26	\$0.00	\$0.00	\$0.00	\$35,674.26
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2020	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4860834	CHAGR8720		Default Loc	\$0.00	\$428,410.68	-\$428,410.68	\$0.00	\$0.00
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2020	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4861108	CHAGR8430		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	2018	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4860826	CHAGR8720		Default Loc	\$7,745.02	\$0.00	\$0.00	\$0.00	\$7,745.02
517	089-X-0222 - Science RW Agreements for Commercializing Techn	2018	25400	Operation :	456100000	C003005	6600207	456167SC0, Office of Scien	4861108	CHAGR8430		Default Loc	\$3,060,444.99	\$0.00	\$0.00	\$0.00	\$3,060,444.99
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4861214	CHAGRNNI0		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	CHAGR80H0		Default Loc	\$0.00	\$44,660.19	\$0.00	\$44,660.19	\$44,660.19
525	089-20/21-0222 - Science RW with Other Federal Agencies	2020	25400	Operation :	456100000	C003005	6600007	456140050, Research & De	4861131	CHAGRER20		Default Loc	\$0.00	\$69,527.18	\$0.00	\$69,527.18	\$69,527.18
541	089-19/20-0222 ? Science Reimbursable Work with Other Federa	2020	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4861207	CHAGR80J0		Default Loc	\$0.00	\$3,592,233.01	\$0.00	\$3,592,233.01	\$3,592,233.01
541	089-19/20-0222 ? Science Reimbursable Work with Other Federa	2020	25400	Operation :	456100000	C003005	6600050	456140196, NASA Other	4861211	CHAGR80G0		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	CHAGRNNF0		Default Loc	\$0.00	\$48,543.69	\$0.00	\$48,543.69	\$48,543.69
674	089-18/19-0228 - DA Primary Fund	2018	25400	Operation :	TT0000000	C003093	4500001	TT1020000, Contractual Su		Default WF0		Default Loc	\$9,923.86	\$0.00	\$0.00	\$0.00	\$9,923.86
679	089-15/16-0228 - DA Transfer from USAID (23 USC 2392)	2015	25400	Operation :	WA2200000	C001104	2822390	WA2230100, Other Related		Default WF302064		Climate RE	\$40,000.00	\$0.00	\$0.00	\$0.00	\$40,000.00
681	089-14/15-0228 - DA IA Transfer from USAID (23 USC 2392)	2014	25400	Operation :	WA2200000	C001104	2822390	WA2230100, Other Related		Default WF0		Default Loc	\$39,548.18	\$0.00	\$0.00	\$0.00	\$39,548.18
692	089-14/15-0228 - DA Primary Fund (P.L. 113-76 FY14)	2014	25400	Operation :	WN0000000	C001118	1721222	WN0219060, State and Loc	4860825	CHAGR8720		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	2019	25400	Operation :	DP0909000	C002955	2223112	DP0909010, Nuclear Critica		Default WF0		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 Count		Default WF0		Default Loc	\$2,057.91	\$0.00	\$0.00	\$0.00	\$2,057.91
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2015	25400	Operation :	DP8000000	C002982	2222989	DP8000000, Counterterrori		Default WF0		Default Loc	\$1,260.15	\$0.00	\$0.00	\$0.00	\$1,260.15
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2020	25400	Operation :	DP0909000	C002955	2223112	DP0909010, Nuclear Critica		Default WF0		Default Loc	\$0.00	\$124,247.00	\$0.00	\$124,247.00	\$124,247.00
900	089-X-0240 - Weapons Activities (WA) Primary Fund (was T	2014	25400	Operation :	DP1204000	C000912	2220743	DP1204010, Secondary Ass		Default WF0		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
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2017	25400	Operation	:456100000	C003005	6600072	456140357, Department of 4860787	CHAGRSIA/0		Default Loc	\$0.01	\$0.00	\$0.00	\$0.00	\$0.01	
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2015	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860847	CHAGRHS/0		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	CHAGR70/0		Default Loc	\$34,783.01	\$0.00	\$0.00	\$0.00	\$34,783.01	
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4841247	CHAGRHS/0		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 Te 4860789	CHAGRHS/0		Default Loc	\$4,403.81	\$0.00	\$0.00	\$0.00	\$4,403.81	
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation	:456100000	C003005	6600072	456140357, Department of 4860787	CHAGRSIA/0		Default Loc	\$849.00	\$0.00	\$0.00	\$0.00	\$849.00	
910	089-X-0240 - WA Reimbursable Work with Other Federal Age	2014	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860915	CHAGRHS/0		Default Loc	\$11,352.52	\$0.00	\$0.00	\$0.00	\$11,352.52	
1050	089-X-0243 - Other Defense Activities (ODA) Primary Fund	2019	25400	Operation	:HQ0000000	C002425	3184701	HQ1001000, Worker Advoc0		Default WF0	Default Loc	\$67,876.51	\$0.00	\$0.00	\$0.00	\$67,876.51	
1050	089-X-0243 - Other Defense Activities (ODA) Primary Fund	2018	25400	Operation	:HU0000000	C002426	3184709	HU2006100, Occupational I0		Default WF0	Default Loc	\$8.89	\$0.00	\$0.00	\$0.00	\$8.89	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861008	CHAGRHS/0		Default Loc	\$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861082	CHAGREAC0		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	6600040	456140142, Other DOD Age 4861117	CHAGRNR0		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	2019	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861129	CHAGR70R0		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	6600040	456140142, Other DOD Age 4861013	CHAGRNID0		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	2017	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861049	CHAGRHS/0		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	6600084	45614036B, Science and Te 4861140	CHAGR70R0		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	2018	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861129	CHAGR70R0		Default Loc	\$30,529.83	\$0.00	\$0.00	\$0.00	\$30,529.83	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861166	CHAGRNR70		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	2019	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861147	CHAGREAC0		Default Loc	\$345.96	\$0.00	\$0.00	\$0.00	\$345.96	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861112	CHAGREAC0		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	2016	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860997	CHAGRHS/0		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	6600040	456140142, Other DOD Age 4861149	CHAGREAC0		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 Age 4861097	CHAGREAC0		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	2019	25400	Operation	:456100000	C003005	6600038	456140135, DARPA - Other 4861137	CHAGRHR0		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	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 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	2018	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861124	CHAGR70F:0		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	6600033	456140124, DNA - Other 4861006	CHAGR100:0		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	2017	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861048	CHAGRHS/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	2019	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861155	CHAGREAC0		Default Loc	\$127,323.50	\$0.00	\$0.00	\$0.00	\$127,323.50	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861148	CHAGREAC0		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	2016	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860994	CHAGRHS/0		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	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861095	CHAGREAC0		Default Loc	\$261.12	\$0.00	\$0.00	\$0.00	\$261.12	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861143	CHAGR70R0		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	2018	25400	Operation	:456100000	C003005	6600109	456140063, Air Force - Oth 4861078	CHAGR4FI0		Default Loc	\$332.65	\$0.00	\$0.00	\$0.00	\$332.65	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861083	CHAGREAC0		Default Loc	\$22,941.95	\$0.00	\$0.00	\$0.00	\$22,941.95	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861085	CHAGRNR70		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 Age 4861171	CHAGREAC0		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	2018	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861051	CHAGRHS/0		Default Loc	\$149,682.38	\$0.00	\$0.00	\$0.00	\$149,682.38	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861172	CHAGRHSF0		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	2016	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860960	CHAGRHS/0		Default Loc	\$90,000.00	\$0.00	\$0.00	\$0.00	\$90,000.00	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861055	CHAGRNC0		Default Loc	\$300,000.00	\$0.00	\$0.00	\$0.00	\$300,000.00	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2019	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861152	CHAGRHQ(C		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	2012	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860789	CHAGRHS/0		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	2018	25400	Operation	:456100000	C003005	6600038	456140135, DARPA - Other 4861106	CHAGRHR0		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	2019	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861150	CHAGREAC0		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	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861113	CHAGREAC0		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	2017	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861005	CHAGRHS/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	2018	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4861024	CHAGRHS/0		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	2015	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860923	CHARGHS/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 Te 3015399	CRAGR70R0		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	2015	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te 4860933	CHAGRHS/0		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	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861055	CHAGRNC0		Default Loc	\$299,732.80	\$0.00	\$0.00	\$0.00	\$299,732.80	
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2018	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Age 4861094	CHAGREAC0		Default Loc	\$9,985.94	\$0.00	\$0.00	\$0.00	\$9,985.94	

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD # 0157 [January Part 2]
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	2015	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te	4860960	CHAGRHS-	0	Default Loc	\$120,639.12	\$0.00	\$0.00	\$0.00	\$120,639.12
1055	089-X-0243 - ODA Reimbursable Work with Other Federal Ag	2016	25400	Operation	:456100000	C003005	6600084	45614036B, Science and Te	4842534	CHAGRHS-	0	Default Loc	\$21,555.93	\$0.00	\$0.00	\$0.00	\$21,555.93
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2017	25400	Operation	:GD6000000	C002970	3203779	GD6050100, CYBER & OPEF	0	Default WFO	0	Default Loc	\$864.41	-\$864.41	\$0.00	-\$864.41	\$0.00
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2020	25400	Operation	:GD6000000	C002970	3203763	GD6020300, Investigations	0	Default WFO	0	Default Loc	\$0.00	\$1,035,440.00	\$0.00	\$1,035,440.00	\$1,035,440.00
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2018	25400	Operation	:GD6000000	C002970	3203764	GD6020400, CI Training	0	Default WFO	0	Default Loc	\$44,205.46	\$0.00	\$0.00	\$0.00	\$44,205.46
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2019	25400	Operation	:GD6000000	C002970	3203762	GD6020200, Security	0	Default WFO	0	Default Loc	\$31,594.63	\$0.00	\$0.00	\$0.00	\$31,594.63
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2019	25400	Operation	:GD6000000	C002970	3203763	GD6020300, Investigations	0	Default WFO	0	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	0	Default Loc	\$178,271.45	\$0.00	\$0.00	\$0.00	\$178,271.45
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2018	25400	Operation	:GD6000000	C002970	3203780	GD6050200, Technical Serv	0	Default WFO	0	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	3203761	GD6020100, Analysis	0	Default WFO	0	Default Loc	\$0.00	\$274,610.00	\$0.00	\$274,610.00	\$274,610.00
1060	089-X-0243 - ODA Specialized Security Activities Non-Pro	2019	25400	Operation	:GD6000000	C002970	3203769	GD6020900, Office of The S	0	Default WFO	0	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	6600040	456140142, Other DOD Age	4861194	CHAGRHQ-	0	Default Loc	\$0.00	\$250,000.00	\$0.00	\$250,000.00	\$250,000.00
1071	089-19/20-0243 - ODA Reimbursable Work with Other Federal Ag	2020	25400	Operation	:456100000	C003005	6600109	456140063, Air Force - Oth	4861188	CHAGRF4F-	0	Default Loc	\$0.00	\$14,563.11	\$0.00	\$14,563.11	\$14,563.11
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN2010000	C003118	2223180	DN2010000, Proliferation C	0	Default WFO	0	Default Loc	\$326,796.72	\$0.00	\$0.00	\$0.00	\$326,796.72
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:CT0000000	C003007	2223014	CT8101000, Nuclear Incide	0	Default WFO	0	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	:DN1006000	C003089	2223153	DN1006010, International F	0	Default WFO	0	Default Loc	\$0.00	\$74,765.10	\$0.00	\$74,765.10	\$74,765.10
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation	:DN1001000	C003034	2223049	DN1001011, U.S. Costs for	0	Default WFO	0	Default Loc	\$139,186.91	\$0.00	\$0.00	\$0.00	\$139,186.91
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2016	25400	Operation	:DN1001000	C003034	2223053	DN1001021, U.S. Costs for	0	Default WFO	0	Default Loc	\$288,345.44	\$0.00	\$0.00	\$0.00	\$288,345.44
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:CT0000000	C003007	2223144	CT8000000, NA-80 CTCP	0	Default WFO	0	Default Loc	\$56,005.95	\$0.00	\$0.00	\$0.00	\$56,005.95
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:DN2012000	C003120	2223182	DN2012010, U.S. High Perf	0	Default WFO	0	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	:DN4000000	C003042	2223105	DN4004030, Multilateral S	0	Default WFO	0	Default Loc	\$0.00	\$14,560.00	\$0.00	\$14,560.00	\$14,560.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2016	25400	Operation	:DN4000000	C003042	2223105	DN4004030, Multilateral S	0	Default WFO	0	Default Loc	\$68,067.39	\$0.00	\$0.00	\$0.00	\$68,067.39
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation	:CT0000000	C003007	2223014	CT8101000, Nuclear Incide	0	Default WFO	0	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	:DN1001000	C003034	2223053	DN1001021, U.S. Costs for	0	Default WFO	0	Default Loc	\$0.00	\$47,937.77	\$0.00	\$47,937.77	\$47,937.77
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:DN4000000	C003042	2223096	DN4001030, Safeguards Te	0	Default WFO	0	Default Loc	\$0.00	\$123,760.00	\$0.00	\$123,760.00	\$123,760.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation	:DN2000000	C003038	2223076	DN2001000, Proliferation C	0	Default WFO	0	Default Loc	\$2,727.18	\$0.00	\$0.00	\$0.00	\$2,727.18
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:CT0000000	C003007	2223020	CT8401000, Radiological As	0	Default WFO	0	Default Loc	\$0.00	\$515,885.71	\$0.00	\$515,885.71	\$515,885.71
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN4000000	C003042	2223094	DN4001010, Safeguards Po	0	Default WFO	0	Default Loc	\$300,960.59	\$0.00	\$0.00	\$0.00	\$300,960.59
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation	:DN4000000	C003042	2223103	DN4004010, Civil Nuclear C	0	Default WFO	0	Default Loc	\$752.78	\$0.00	\$0.00	\$0.00	\$752.78
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN1006000	C003089	2223153	DN1006010, International F	0	Default WFO	0	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	:DN4000000	C003042	2223094	DN4001010, Safeguards Po	0	Default WFO	0	Default Loc	\$0.00	\$223,450.00	\$0.00	\$223,450.00	\$223,450.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN4000000	C003042	2223106	DN4004040, Policy Studies	0	Default WFO	0	Default Loc	\$56,502.85	\$0.00	\$0.00	\$0.00	\$56,502.85
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN1003000	C003036	2223063	DN1003011, U.S. Costs for	0	Default WFO	0	Default Loc	\$300,411.24	\$0.00	\$0.00	\$0.00	\$300,411.24
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:CT0000000	C003007	2223020	CT8401000, Radiological As	0	Default WFO	0	Default Loc	\$415,188.51	\$0.00	\$0.00	\$0.00	\$415,188.51
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:CT0000000	C003007	2223023	CT8404010, Evaluation, Exe	0	Default WFO	0	Default Loc	\$0.00	\$9,000.00	\$0.00	\$9,000.00	\$9,000.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN1005000	C003088	2223152	DN1005010, Domestic Radi	0	Default WFO	0	Default Loc	\$185,729.08	\$0.00	\$0.00	\$0.00	\$185,729.08
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN4000000	C003042	2223102	DN4003020, Nuclear Comp	0	Default WFO	0	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	:DN3001000	C003039	2223079	DN3001010, Highly Enriche	0	Default WFO	0	Default Loc	\$0.00	\$20,788.39	\$0.00	\$20,788.39	\$20,788.39
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation	:NN5000000	C001058	2221234	NN5002010, U.S. Costs for	0	Default WFO	0	Default Loc	\$18,170.30	\$0.00	\$0.00	\$0.00	\$18,170.30
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2018	25400	Operation	:DN1003000	C003036	2223063	DN1003011, U.S. Costs for	0	Default WFO	0	Default Loc	\$77,831.19	\$0.00	\$0.00	\$0.00	\$77,831.19
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation	:NN4000000	C001056	2222717	NN4009010, Safeguards Po	0	Default WFO	0	Default Loc	\$0.89	-\$0.89	\$0.00	-\$0.89	\$0.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:DN4000000	C003042	2223210	DN4001050, Safeguards Cr	0	Default WFO	0	Default Loc	\$0.00	\$83,720.00	\$0.00	\$83,720.00	\$83,720.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:DN1003000	C003036	2223063	DN1003011, U.S. Costs for	0	Default WFO	0	Default Loc	\$0.00	\$291,989.54	\$0.00	\$291,989.54	\$291,989.54
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:DN2010000	C003118	2223180	DN2010000, Proliferation C	0	Default WFO	0	Default Loc	\$0.00	\$1,123,480.00	\$0.00	\$1,123,480.00	\$1,123,480.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation	:NN5000000	C001058	2221240	NN5004010, U.S. Costs for	0	Default WFO	0	Default Loc	\$2,916.33	\$0.00	\$0.00	\$0.00	\$2,916.33
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation	:NN4000000	C001056	2222733	NN4012040, Policy Studies	0	Default WFO	0	Default Loc	\$1.95	-\$1.95	\$0.00	-\$1.95	\$0.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN4000000	C003042	2223103	DN4004010, Civil Nuclear C	0	Default WFO	0	Default Loc	\$179,045.00	\$0.00	\$0.00	\$0.00	\$179,045.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2020	25400	Operation	:DN4000000	C003042	2223095	DN4001020, Safeguards En	0	Default WFO	0	Default Loc	\$0.00	\$236,309.00	\$0.00	\$236,309.00	\$236,309.00
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN4000000	C003042	2223101	DN4003010, Warhead Verif	0	Default WFO	0	Default Loc	\$9,981.33	\$0.00	\$0.00	\$0.00	\$9,981.33
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2017	25400	Operation	:DN2000000	C003038	2223154	DN2006000, USHPRR	0	Default WFO	0	Default Loc	\$2.37	\$0.00	\$0.00	\$0.00	\$2.37
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation	:NN2000000	C001052	2221132	NN2001000, Nonproliferati	0	Default WFO	0	Default Loc	\$1.79	\$0.00	\$0.00	\$0.00	\$1.79
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation	:DN4000000	C003042	2223096	DN4001030, Safeguards Te	0	Default WFO	0	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	2223102	DN4003020, Nuclear Comp	0	Default WFO	0	Default Loc	\$0.00	\$169,201.00	\$0.00	\$169,201.00	\$169,201.00

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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
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2019	25400	Operation : DN4000000		C003042	2223095	DN4001020, Safeguards En 0		Default WF0		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 : DN2012000		C003120	2223182	DN2012010, U.S. High Perf:0		Default WF0		Default Loc	\$10,019.78	\$0.00	\$0.00	\$0.00	\$10,019.78
1551	089-X-0309 - Defense Nuclear Nonproliferation (DNN) Prim	2015	25400	Operation : NN5000000		C001058	2221235	NN5002020, In-Country Co:0		Default WF0		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 : CT0000000		C003007	2223023	CT8404010, Evaluation, Exe0		Default WF0		Default Loc	\$2,159.62	\$0.00	\$0.00	\$0.00	\$2,159.62
1557	089-X-0309 - DNN Second Line of Defense International Co	2012	25400	Operation : NN5000000		C001058	2222290	NN5010000, International (0		Default WF0		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 A0		Default WF0		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, Countert:0		Default WF0		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 Nu0		Default WF0		Default Loc	\$197,200.35	\$0.00	\$0.00	\$0.00	\$197,200.35
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2013	25400	Operation : EZ5000000		C002226	1110981	EZ5012300 - BRNL-0030 So 0		Default WF0		Default Loc	\$108,184.59	\$0.00	\$0.00	\$0.00	\$108,184.59
1751	089-X-0315 - Non-Defense Environmental Cleanup (NDEC) Pr	2015	25400	Operation : EZ5000000		C002226	1110981	EZ5012300 - BRNL-0030 So 0		Default WF0		Default Loc	\$47.62	\$0.00	\$0.00	\$0.00	\$47.62
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation : ST0000000		C001087	2720715	ST5001030, Other National 0		Default WF0		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	2019	25400	Operation : ST0000000		C001087	2924280	ST6001032, Hot Cell and Ot0		Default WF0		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	2018	25400	Operation : ST0000000		C001087	2924424	ST5001040, Actinium-225 T0		Default WF0		Default Loc	\$795,949.65	\$0.00	\$0.00	\$0.00	\$795,949.65
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2720718	ST6001020, Brookhaven Lir0		Default WF0		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	2924424	ST5001040, Actinium-225 T0		Default WF0		Default Loc	\$323,000.00	\$0.00	\$0.00	\$0.00	\$323,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2924306	ST6001031, Production 0		Default WF0		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	2924280	ST6001032, Hot Cell and Ot0		Default WF0		Default Loc	\$0.00	\$300,000.00	\$0.00	\$300,000.00	\$300,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	32003	Accelerator:ST0000000		C001087	2924281	ST6001034, Facility Upgrad0		Default WF485395	CHAI	\$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	2016	25400	Operation : ST0000000		C001087	2924282	ST6001036, Technical Servi0		Default WF0		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	2720718	ST6001020, Brookhaven Lir0		Default WF0		Default Loc	\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$100,000.00
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2020	25400	Operation : ST0000000		C001087	2720716	ST5002000, University Rese0		Default WF0		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	2720714	ST5001020, Brookhaven Lir0		Default WF0		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	2720716	ST5002000, University Rese0		Default WF0		Default Loc	\$10,768.67	\$0.00	\$0.00	\$0.00	\$10,768.67
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2018	25400	Operation : ST0000000		C001087	2924281	ST6001034, Facility Upgrad0		Default WF0		Default Loc	\$201,258.53	\$0.00	\$0.00	\$0.00	\$201,258.53
2300	089-X-4180 - Isotope Production and Distribution Fund (P	2019	25400	Operation : ST0000000		C001087	2720715	ST5001030, Other National 0		Default WF0		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	2720714	ST5001020, Brookhaven Lir0		Default WF0		Default Loc	\$259,374.42	\$0.00	\$0.00	\$0.00	\$259,374.42
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation : TE1100000		C002798	3123816	TE1104010, Monitoring and0		Default WF0		Default Loc	\$12,301.98	\$0.00	\$0.00	\$0.00	\$12,301.98
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation : TE1300000		C002800	3123803	TE1301000, Cyber for Ener:0		Default WF0		Default Loc	\$356.54	\$0.00	\$0.00	\$0.00	\$356.54
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1200000		C002799	3123812	TE1206000, Advanced Secu0		Default WF0		Default Loc	\$22.70	\$0.00	\$0.00	\$0.00	\$22.70
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1100000		C002798	3123789	TE1101000, Transmission R0		Default WF0		Default Loc	\$136.88	\$0.00	\$0.00	\$0.00	\$136.88
5300	089-X-0318 - Electricity Delivery	2018	25400	Operation : TE1100000		C002798	3123785	TE1103000, Advanced Mod0		Default WF0		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 Distri0		Default WF0		Default Loc	\$621.94	\$0.00	\$0.00	\$0.00	\$621.94
5300	089-X-0318 - Electricity Delivery	2018	25400	Operation : TE1200000		C002799	3123811	TE1205000, Resilient Electr0		Default WF0		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	3123792	TE1201000, Smart Grid 0		Default WF0		Default Loc	\$2,262.82	\$0.00	\$0.00	\$0.00	\$2,262.82
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TF0000000		C002802	3123796	TF0000000, Transmission P0		Default WF0		Default Loc	\$121.66	\$0.00	\$0.00	\$0.00	\$121.66
5300	089-X-0318 - Electricity Delivery	2017	25400	Operation : TE1400000		C002801	3123795	TE1400000, Energy Storage0		Default WF0		Default Loc	\$260.97	\$0.00	\$0.00	\$0.00	\$260.97
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1100000		C002798	3123802	TE1104000, Energy System:0		Default WF0		Default Loc	\$128,941.30	\$0.00	\$0.00	\$0.00	\$128,941.30
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1300000		C002800	3123804	TE1302000, Cyber for Ener:0		Default WF0		Default Loc	\$200.26	\$0.00	\$0.00	\$0.00	\$200.26
5300	089-X-0318 - Electricity Delivery	2019	25400	Operation : TE1100000		C002798	3123785	TE1103000, Advanced Mod0		Default WF0		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 :0		Default WF0		Default Loc	\$117.37	\$0.00	\$0.00	\$0.00	\$117.37
5300	089-X-0318 - Electricity Delivery	2016	25400	Operation : TE1200000		C002799	3123810	TE1204000, Dynamic Contr0		Default WF0		Default Loc	\$205.91	\$0.00	\$0.00	\$0.00	\$205.91
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2020	25400	Operation : RC0000000		C003241	2720978	RC0504000, Program Asses0		Default WF0		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-	2019	25400	Operation : AF5800000		C000822	2720667	AF5810000, Advanced Fuel 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 : AF5800000		C000822	2720875	AF5832030, Program Asses0		Default WF0		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 : NT0000000		C003240	2720928	NT0503000, Reactor Physic0		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-	2017	25400	Operation : AF5800000		C000822	2720965	AF5861010, Spent Fuel and0		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-	2017	25400	Operation : RC0000000		C003241	2720918	RC0424000, ARC Internatio0		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-	2020	25400	Operation : FT0000000		C003123	2721023	FT0404000, Systems Analys0		Default WF0		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-	2017	25400	Operation : AF5800000		C000822	2720625	AF5855000, Fuel Resources0		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-	2018	25400	Operation : AF5800000		C000822	2720875	AF5832030, Program Asses0		Default WF0		Default Loc	\$352,232.57	\$0.00	\$0.00	\$0.00	\$352,232.57
5350	089-X-0319 - Nuclear Energy (NE) Primary Fund (P.L. 110-	2019	25400	Operation : NT0000000		C003240	2720882	NT0402000, National Scien: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-	2018	25400	Operation : AF5800000		C000822	2720955	AF5832040, Management &0		Default WF0		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-	2020	25400	Operation : FT0000000		C003123	2721015	FT0204000, Advanced Fuel:0		Default WF0		Default Loc	\$0.00	\$176,000.00	\$0.00	\$176,000.00	\$176,000.00

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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
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	:FT0000000	C003123	2721024	FT0405000, Program Asses:	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-	2019	25400	Operation	:RC0000000	C003241	2720992	RC0603000, Management	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-	2019	25400	Operation	:RC0000000	C003241	2720978	RC0504000, Program Asses	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-	2019	25400	Operation	:AF5800000	C000822	2720874	AF5832020, Systems Analy:	0	Default WF0		Default Loc	\$43,775.94	\$0.00	\$0.00	\$0.00	\$43,775.94
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	:VT0000000	C001096	1005556	VT1301000, Vehicle and Sy:	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 Integr:	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	2018	25400	Operation	:BT0000000	C000848	1004210	BT0101000, Research and [O		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	2016	25400	Operation	:ED0000000	C000949	1009209	ED2701000, Next Generatic	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 & Ele	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	2017	25400	Operation	:HT0000000	C002796	2223156	HT1100000, Technology Ac	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	2017	25400	Operation	:VT0000000	C001096	1005556	VT1301000, Vehicle and Sy:	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 Syste	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	2016	25400	Operation	:PG0000000	C002840	1005604	PG0400000, Innovation & [O		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	:BM0000000	C002732	1004173	BM0102060, Integration of	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	2018	25400	Operation	:GT0000000	C002910	1005623	GT0200000, Low Temperat	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	2019	25400	Operation	:HT0000000	C002796	1009190	HT0100000, Fuel Cell Syste	0	Default WF0		Default Loc	\$300,000.00	\$0.00	\$0.00	\$0.00	\$300,000.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	:BT0000000	C000848	1004219	BT0304030, Buildings-to-Gr	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	2020	25400	Operation	:VT0000000	C001096	1005554	VT1201000, Batteries & Ele	0	Default WF0		Default Loc	\$0.00	\$915,000.00	\$0.00	\$915,000.00	\$915,000.00
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2016	25400	Operation	:HT0000000	C002796	1009190	HT0100000, Fuel Cell Syste	0	Default WF0	302017	TCF Fundin	\$294.34	\$0.00	\$0.00	\$0.00	\$294.34
5450	089-X-0321 - Energy Efficiency and Renewable Energy (EER	2018	25400	Operation	:GT0000000	C002910	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	2017	25400	Operation	:SL0000000	C002911	1005616	SL0300000, Systems Integr:	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	2014	25400	Operation	:GT0000000	C002910	1005612	GT0100000, Enhanced Geo	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	:GT0000000	C002910	1005623	GT0200000, Low Temperat	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	2019	25400	Operation	:SL0000000	C002911	1005616	SL0300000, Systems Integr:	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	2018	25400	Operation	:SL0000000	C002911	1005622	SL0200000, Photovoltaic R	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	2019	25400	Operation	:WW0000000	C002917	1005682	WW0800000, Mitigate Mar	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	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
5489	089-16/17-0321 - EERE Reimbursable Work with Other Federal A	2016	25400	Operation	:456100000	C003005	6600073	456140358, Other Federal	/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 - Dom	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	2014	25400	Operation	:456100000	C003005	6600072	456140357, Department of	3012882	CRAGR	1930	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	3011110	CRAGRS-OI	0	Default Loc	\$45.77	-\$45.77	\$0.00	-\$45.77	\$0.00
5499	089-X-0321 - EERE Reimbursable Work with Other Federal A	2016	25400	Operation	:456100000	C003005	6600072	456140357, Department of	3012199	CRAGR-S-C	0	Default Loc	\$25,808.25	\$0.00	\$0.00	\$0.00	\$25,808.25
5900	089X2250 Cybersecurity, Energy Security and Emergency Respo	2019	25400	Operation	:TG0000000	C003224	4219019	TG0104020, Crosscut ? Ene	0	Default WF0		Default Loc	\$56,506.00	\$0.00	\$0.00	\$0.00	\$56,506.00
6600	089X0337 - Energy Transformation Acceleration Fund - A	2016	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Project	0	Default WF0	1314	ARPA-E Lat	\$90,742.79	\$0.00	\$0.00	\$0.00	\$90,742.79
6600	089X0337 - Energy Transformation Acceleration Fund - A	2014	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Project	0	Default WF0		Default Loc	\$1,823.77	\$0.00	\$0.00	\$0.00	\$1,823.77
6600	089X0337 - Energy Transformation Acceleration Fund - A	2017	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Project	0	Default WF0	1352	ARPA-E Lat	\$142,701.78	\$0.00	\$0.00	\$0.00	\$142,701.78
6600	089X0337 - Energy Transformation Acceleration Fund - A	2014	25400	Operation	:CJ0100000	C002599	3166012	CJ0100000, ARPA-E Project	0	Default WF0	1249	CHARPA-OC	\$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 Project	0	Default WF0	1250	CHARPA-OC	\$207.88	\$0.00	\$0.00	\$0.00	\$207.88
6632	089-19/20-0337 - ARPA-E Program Direction	2019	25400	Operation	:CJ0200000	C002600	3166013	CJ0200000, Program Direct	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	6600038	456140135, DARPA - Other	4861199	CHAGRHRC	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 Ag	4861215	CHAGREAC	0	Default Loc	\$0.00	\$150,000.00	\$0.00	\$150,000.00	\$150,000.00
7500	089-20/21-0243 - ODA RW with Other Federal Agencies	2020	25400	Operation	:456100000	C003005	6600040	456140142, Other DOD Ag	4861205	CHAGRHQC	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 Ag	4861209	CHAGRHQC	0	Default Loc	\$0.00	\$1,000,000.00	\$0.00	\$1,000,000.00	\$1,000,000.00
													\$389,020,436.03	\$183,274,051.70	-\$430,622.39	\$182,843,429.31	\$571,863,865.34
Non-Appropriated Total													\$35,144,833.92	\$6,383,971.74	-\$430,622.39	\$5,953,349.35	\$41,098,183.27
Other Federal Agency Total													\$45,028,950.06	\$2,873,342.05	\$0.00	\$2,873,342.05	\$47,902,292.11
DOE Appropriated Total													\$308,846,652.05	\$174,016,737.91	\$0.00	\$174,016,737.91	\$482,863,389.96

SF-30 Total **\$389,020,436.03 \$183,274,051.70 -\$430,622.39 \$182,843,429.31 \$571,863,865.34**

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0157 [January Part 2]
 DE-SC0012704

Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OCL	Program	Program Title	WFO	WFO Title	Local Use	Local Use Code	Beginning Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
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FPDS-NG Total [Action Obligation]															\$0.00		
FPDS-NG Total [Base And Exercised Options Value]															-\$430,622.39		
FPDS-NG Total [Base And All Options Value]															-\$430,622.39		

Agency Sub-Report

Agency	Obligation Change Amount
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Work for Others Funds Associated with Federal Agencies:	0.00
Total DOE Funds:	0.00
Total Non-Appropriated Funds:	-430,622.39
Grand Total:	-430,622.39