

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0118 [Financial]
 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-021	2015	25400	Operation	AA6000000	C002841	1611051	AA6010000, Advanced Comb		Default WF 302017			\$15,539.00	\$0.00	\$0.00	\$0.00	\$15,539.00
150	089-X-021	2014	25400	Operation	AA6000000	C002841	1611051	AA6010000, Advanced Comb		Default WF 302017			\$463.00	\$0.00	\$0.00	\$0.00	\$463.00
150	089-X-021	2017	25400	Operation	AA6000000	C002841	1611051	AA6010000, Advanced Comb		Default WF 302017			\$121,207.00	\$0.00	\$0.00	\$0.00	\$121,207.00
150	089-X-021	2016	25400	Operation	AA6000000	C002841	1611051	AA6010000, Advanced Comb		Default WF 302017			\$124,028.00	\$0.00	\$0.00	\$0.00	\$124,028.00
150	089-X-021	2018	25400	Operation	AA6000000	C002841	1611272	AA6070000, Transformative I		Default WF 302017			\$0.00	\$0.00	\$488,763.00	\$488,763.00	\$488,763.00
500	089-X-022	2013	32001	Constructio	39KG00000	C002739	2924227	39KG01000PRN10SC72000, F		Default WF 0		Default Loc	\$127.20	-\$127.20	\$0.00	-\$127.20	\$0.00
500	089-X-022	2016	25400	Operation	KL0000000	C001021	2924414	KL1500000, Outreach		Default WF 0		Default Loc	\$2,262.77	\$0.00	\$0.00	\$0.00	\$2,262.77
500	089-X-022	2016	25400	Operation	KP0000000	C001024	2924462	KP1703040, Climate Model D		Default WF 0		Default Loc	\$416,750.00	\$0.00	\$0.00	\$0.00	\$416,750.00
500	089-X-022	2017	32003	Accelerator	KA0000000	C002852	2924382	KA2602010, Accelerator Ope		Default WF 485395		CHAIP	\$892,530.03	\$0.00	\$0.00	\$0.00	\$892,530.03
500	089-X-022	2017	25400	Operation	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC		Default WF 0		Default Loc	\$2,878,588.37	\$0.00	\$0.00	\$0.00	\$2,878,588.37
500	089-X-022	2017	25400	Operation	KP0000000	C001024	2924216	KP1703020, Earth System Mc		Default WF 0		Default Loc	\$358,481.36	\$0.00	\$0.00	\$0.00	\$358,481.36
500	089-X-022	2017	25400	Operation	KP0000000	C001024	2924211	KP1701000, Atmospheric Sys		Default WF 0		Default Loc	\$1,194,416.20	\$0.00	\$0.00	\$0.00	\$1,194,416.20
500	089-X-022	2017	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Ge		Default WF 0		Default Loc	\$2,125,100.00	\$0.00	\$0.00	\$0.00	\$2,125,100.00
500	089-X-022	2014	25400	Operation	KB0000000	C001009	2923728	KB0181012, Nuclear Physics		Default WF 0		Default Loc	\$34,228.17	\$0.00	\$0.00	\$0.00	\$34,228.17
500	089-X-022	2017	25400	Operation	FS1000000	C000984	2923657	FS1007000, Material Control		Default WF 0		Default Loc	\$466,015.26	\$0.00	\$0.00	\$0.00	\$466,015.26
500	089-X-022	2017	25400	Operation	KB0000000	C001009	2923733	KB0201021, Heavy Ion, RHIC		Default WF 0		Default Loc	\$1,821,032.34	\$0.00	\$0.00	\$0.00	\$1,821,032.34
500	089-X-022	2017	25400	Operation	KB0000000	C001009	2923752	KB0301052, Theory, SciDAC,		Default WF 0		Default Loc	\$367,444.68	\$0.00	\$0.00	\$0.00	\$367,444.68
500	089-X-022	2017	25400	Operation	FS1000000	C000984	2923656	FS1006000, Personnel Securi		Default WF 0		Default Loc	\$214,863.42	\$0.00	\$0.00	\$0.00	\$214,863.42
500	089-X-022	2017	25400	Operation	KC0000000	C002853	2923807	KC0302010, Chemical Energy		Default WF 0		Default Loc	\$1,600,623.43	\$0.00	\$0.00	\$0.00	\$1,600,623.43
500	089-X-022	2017	25400	Operation	KL0000000	C001021	2924406	KL1001000, Science Undergr		Default WF 0		Default Loc	\$553,646.70	\$0.00	\$0.00	\$0.00	\$553,646.70
500	089-X-022	2018	25400	Operation	KJ0000000	C001018	2924474	KJ0402010, Computer Scienc		Default WF 0		Default Loc	\$0.00	\$750,000.00	\$0.00	\$750,000.00	\$750,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924300	KC0304030, Solar Photochen		Default WF 0		Default Loc	\$0.00	\$2,907,000.00	\$429,000.00	\$3,336,000.00	\$3,336,000.00
500	089-X-022	2018	25400	Operation	KB0000000	C001009	2923721	KB0101022, Medium Energy,		Default WF 0		Default Loc	\$0.00	\$1,261,000.00	\$141,000.00	\$1,402,000.00	\$1,402,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2923803	KC0301020, Chemical Physic		Default WF 0		Default Loc	\$0.00	\$279,000.00	\$41,000.00	\$320,000.00	\$320,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924242	KC0403020, Center for Funct		Default WF 0		Default Loc	\$0.00	\$11,173,000.00	\$1,645,000.00	\$12,818,000.00	\$12,818,000.00
500	089-X-022	2018	25400	Operation	KP0000000	C001024	2924211	KP1701000, Atmospheric Sys		Default WF 0		Default Loc	\$0.00	\$3,225,000.00	\$309,000.00	\$3,534,000.00	\$3,534,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924472	KC0201070, X-Ray Scattering		Default WF 0		Default Loc	\$0.00	\$947,000.00	\$139,000.00	\$1,086,000.00	\$1,086,000.00
500	089-X-022	2018	25400	Operation	KB0000000	C001009	2923733	KB0201021, Heavy Ion, RHIC		Default WF 0		Default Loc	\$0.00	\$3,171,000.00	\$421,000.00	\$3,592,000.00	\$3,592,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2923769	KC0201010, Structure Of Mai		Default WF 0		Default Loc	\$0.00	\$1,799,000.00	\$265,000.00	\$2,064,000.00	\$2,064,000.00
500	089-X-022	2018	25400	Operation	FS1000000	C000984	2923652	FS1001000, Protective Force		Default WF 0		Default Loc	\$0.00	\$3,778,000.00	\$559,000.00	\$4,337,000.00	\$4,337,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924506	KC0202031, Theoretical Conc		Default WF 0		Default Loc	\$0.00	\$1,091,000.00	\$160,000.00	\$1,251,000.00	\$1,251,000.00
500	089-X-022	2018	25400	Operation	KP0000000	C001024	2924204	KP1601050, Bioenergy Resea		Default WF 0		Default Loc	\$0.00	\$685,000.00	\$0.00	\$685,000.00	\$685,000.00
500	089-X-022	2018	31001	Major Item	KA0000000	C002852	2924320	KA2103011, MIE		Default WF 485496		CHEQUMIE	\$0.00	\$1,583,377.85	\$281,000.00	\$1,864,377.85	\$1,864,377.85
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924346	KA2301020, National Labora		Default WF 0		Default Loc	\$591,900.79	\$0.00	\$0.00	\$0.00	\$591,900.79
500	089-X-022	2009	25400	Operation	KB0000000	C001009	2923741	KB0281011, Nuclear Physics		Default WF 0		Default Loc	\$267,025.04	\$0.00	\$0.00	\$0.00	\$267,025.04
500	089-X-022	2013	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Ge		Default WF 0		Default Loc	\$42,626.46	\$0.00	\$0.00	\$0.00	\$42,626.46
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924313	KA2101020, National Labora		Default WF 0		Default Loc	\$2,551,418.41	\$0.00	\$0.00	\$0.00	\$2,551,418.41
500	089-X-022	2017	31003	Other Equi	KA0000000	C002852	2924363	KA2403013, Other Projects		Default WF 485396		CHEQU	\$750,000.00	\$0.00	\$0.00	\$0.00	\$750,000.00
500	089-X-022	2016	25400	Operation	KP0000000	C001024	2924216	KP1703020, Earth System Mc		Default WF 0		Default Loc	\$90,001.99	\$0.00	\$0.00	\$0.00	\$90,001.99
500	089-X-022	2016	31001	Major Item	KC0000000	C002853	2924289	KC0405060, NSLS-II Experime		Default WF 485469		CHEQUMIE	\$698,538.41	\$0.00	\$0.00	\$0.00	\$698,538.41

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500	089-X-0222	2017	32003	Accelerator	KC0000000	C002853	2924233	KC0401040, National Synchr	0	Default WF	485395	CHAIP	\$1,800,000.00	\$0.00	\$0.00	\$0.00	\$1,800,000.00
500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924355	KA2401012, National Laborat	0	Default WF	0	Default Loc	\$1,183,684.51	\$0.00	\$0.00	\$0.00	\$1,183,684.51
500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924382	KA2602010, Accelerator Ope	0	Default WF	0	Default Loc	\$328,880.99	\$0.00	\$0.00	\$0.00	\$328,880.99
500	089-X-0222	2017	25400	Operation	KB0000000	C001009	2923755	KB0401022, Low Energy, Oth	0	Default WF	0	Default Loc	\$257,562.78	\$0.00	\$0.00	\$0.00	\$257,562.78
500	089-X-0222	2016	25400	Operation	KC0000000	C002853	2924192	KC0207010, Energy Frontier IO	0	Default WF	0	Default Loc	\$308,303.74	\$0.00	\$0.00	\$0.00	\$308,303.74
500	089-X-0222	2017	25400	Operation	KL0000000	C001021	2924407	KL1002000, Community Colle	0	Default WF	0	Default Loc	\$95,172.95	\$0.00	\$0.00	\$0.00	\$95,172.95
500	089-X-0222	2018	25400	Operation	FS1000000	C000984	2923658	FS1009000, Program Manage	0	Default WF	0	Default Loc	\$0.00	\$414,000.00	\$61,000.00	\$475,000.00	\$475,000.00
500	089-X-0222	2018	25400	Operation	KC0000000	C002853	2923807	KC0302010, Chemical Energy	0	Default WF	0	Default Loc	\$0.00	\$1,730,000.00	\$255,000.00	\$1,985,000.00	\$1,985,000.00
500	089-X-0222	2018	25400	Operation	KC0000000	C002853	3023325	KC0203020, Synthesis and Pr	0	Default WF	0	Default Loc	\$0.00	\$1,034,000.00	\$153,000.00	\$1,187,000.00	\$1,187,000.00
500	089-X-0222	2017	31001	Major Item	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WF	485486	CHEQU	\$8,500,000.00	\$0.00	\$0.00	\$0.00	\$8,500,000.00
500	089-X-0222	2017	25400	Operation	FS1000000	C000984	2923655	FS1005000, Cyber Security	0	Default WF	0	Default Loc	\$523,499.81	\$0.00	\$0.00	\$0.00	\$523,499.81
500	089-X-0222	2017	31003	Other Equi	KC0000000	C002853	2924242	KC0403020, Center for Funct	0	Default WF	485396	CHEQU	\$600,000.00	\$0.00	\$0.00	\$0.00	\$600,000.00
500	089-X-0222	2014	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Ge	0	Default WF	0	Default Loc	\$180,000.00	\$0.00	\$0.00	\$0.00	\$180,000.00
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924405	KC0201060, Neutron and X-R	0	Default WF	0	Default Loc	\$330,037.56	\$0.00	\$0.00	\$0.00	\$330,037.56
500	089-X-0222	2017	25400	Operation	FS1000000	C000984	2923654	FS1004000, Information Secu	0	Default WF	0	Default Loc	\$154,019.41	\$0.00	\$0.00	\$0.00	\$154,019.41
500	089-X-0222	2016	25400	Operation	KP0000000	C001024	2924205	KP1602010, Radiochemistry	0	Default WF	0	Default Loc	\$521,900.65	\$0.00	-\$521,900.65	-\$521,900.65	\$0.00
500	089-X-0222	2016	32003	Accelerator	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC	0	Default WF	485395	CHAIP	\$138,941.27	\$0.00	\$0.00	\$0.00	\$138,941.27
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924294	KC0202040, Mechanical Beha	0	Default WF	0	Default Loc	\$10,411.59	\$0.00	\$0.00	\$0.00	\$10,411.59
500	089-X-0222	2017	25400	Operation	FS1000000	C000984	2923652	FS1001000, Protective Force	0	Default WF	0	Default Loc	\$633,591.08	\$0.00	\$0.00	\$0.00	\$633,591.08
500	089-X-0222	2016	25400	Operation	KA0000000	C002852	2924357	KA2401021, Scientific Discov	0	Default WF	0	Default Loc	\$13,031.12	\$0.00	\$0.00	\$0.00	\$13,031.12
500	089-X-0222	2016	31003	Other Equi	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC	0	Default WF	485396	CHEQU	\$494,483.56	\$0.00	\$0.00	\$0.00	\$494,483.56
500	089-X-0222	2017	25400	Operation	FS1000000	C000984	2923658	FS1009000, Program Manage	0	Default WF	0	Default Loc	\$511,951.37	\$0.00	\$0.00	\$0.00	\$511,951.37
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2923769	KC0201010, Structure Of Mai	0	Default WF	0	Default Loc	\$1,878,640.89	\$0.00	\$0.00	\$0.00	\$1,878,640.89
500	089-X-0222	2017	25400	Operation	KB0000000	C001009	2923721	KB0101022, Medium Energy, 0	0	Default WF	0	Default Loc	\$348,402.54	\$0.00	\$0.00	\$0.00	\$348,402.54
500	089-X-0222	2012	25400	Operation	KA0000000	C002852	2923679	KA1102080, Proton Facilities	0	Default WF	0	Default Loc	\$1,492.25	-\$74.17	\$0.00	-\$74.17	\$1,418.08
500	089-X-0222	2016	25400	Operation	KA0000000	C002852	2924369	KA2501022, Muon Accelerat	0	Default WF	0	Default Loc	\$490,519.01	\$0.00	\$0.00	\$0.00	\$490,519.01
500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924363	KA2403013, Other Projects	0	Default WF	0	Default Loc	\$107,115.36	\$0.00	\$0.00	\$0.00	\$107,115.36
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	3023325	KC0203020, Synthesis and Pr	0	Default WF	0	Default Loc	\$887,796.19	\$0.00	\$0.00	\$0.00	\$887,796.19
500	089-X-0222	2007	25400	Operation	KP0000000	C001024	2923849	KP1102010, Molecular Biolog	0	Default WF	0	Default Loc	\$16.33	\$0.00	\$0.00	\$0.00	\$16.33
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924421	KC0406030, Long Term Surve	0	Default WF	0	Default Loc	\$1,650,263.63	\$0.00	\$0.00	\$0.00	\$1,650,263.63
500	089-X-0222	2016	31003	Other Equi	KC0000000	C002853	2924242	KC0403020, Center for Funct	0	Default WF	485396	CHEQU	\$410,798.13	\$0.00	\$0.00	\$0.00	\$410,798.13
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924472	KC0201070, X-Ray Scattering	0	Default WF	0	Default Loc	\$595,500.79	\$0.00	\$0.00	\$0.00	\$595,500.79
500	089-X-0222	2018	25400	Operation	KB0000000	C001009	2923749	KB0301042, Theory, Nuclear	0	Default WF	0	Default Loc	\$0.00	\$1,909,000.00	\$228,000.00	\$2,137,000.00	\$2,137,000.00
500	089-X-0222	2018	25400	Operation	KC0000000	C002853	2924421	KC0406030, Long Term Surve	0	Default WF	0	Default Loc	\$0.00	\$3,899,000.00	\$574,000.00	\$4,473,000.00	\$4,473,000.00
500	089-X-0222	2018	32001	Constructio	39KA00000	C002786	2924263	39KA00000PRN11SC40000, L	0	Default WF	0	Default Loc	\$0.00	\$3,100,000.00	\$0.00	\$3,100,000.00	\$3,100,000.00
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924336	KA2202090, Other Facilities	0	Default WF	0	Default Loc	\$0.00	\$244,000.00	\$32,000.00	\$276,000.00	\$276,000.00
500	089-X-0222	2018	25400	Operation	KL0000000	C001021	2924407	KL1002000, Community Colle	0	Default WF	0	Default Loc	\$0.00	\$80,000.00	\$40,000.00	\$120,000.00	\$120,000.00
500	089-X-0222	2018	32002	General Pla	KG0700000	C002925	2924416	KG0701000, Facilities and Inf	0	Default WF	0	Default Loc	\$0.00	\$0.00	\$8,500,000.00	\$8,500,000.00	\$8,500,000.00
500	089-X-0222	2016	25400	Operation	KP0000000	C001024	2924203	KP1601040, Computational E	0	Default WF	0	Default Loc	\$415,197.40	\$0.00	\$0.00	\$0.00	\$415,197.40
500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924380	KA2601020, National Laborat	0	Default WF	0	Default Loc	\$350,944.67	\$0.00	\$0.00	\$0.00	\$350,944.67
500	089-X-0222	2014	25400	Operation	KA0000000	C002852	2923680	KA1102811, Proton Facilities	0	Default WF	0	Default Loc	\$11,981.92	\$0.00	\$0.00	\$0.00	\$11,981.92

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500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924369	KA2501022, Muon Accelerator		Default WFO		Default Loc	\$250,000.00	\$0.00	\$0.00	\$0.00	\$250,000.00
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2923803	KC0301020, Chemical Physics		Default WFO		Default Loc	\$625,908.28	\$0.00	\$0.00	\$0.00	\$625,908.28
500	089-X-0222	2017	31003	Other Equip	KC0000000	C002853	2924233	KC0401040, National Synchrotron		Default WF	485396	CHEQU	\$1,454,488.91	\$0.00	\$0.00	\$0.00	\$1,454,488.91
500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924358	KA2401022, Scientific Computing		Default WFO		Default Loc	\$232,519.94	\$0.00	\$0.00	\$0.00	\$232,519.94
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924233	KC0401040, National Synchrotron		Default WFO		Default Loc	\$27,412,536.40	\$0.00	\$0.00	\$0.00	\$27,412,536.40
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924460	KC0301050, Condensed Phases		Default WFO		Default Loc	\$379,501.80	\$0.00	\$0.00	\$0.00	\$379,501.80
500	089-X-0222	2017	25400	Operation	FS1000000	C000984	2923653	FS1002000, Security Systems		Default WFO		Default Loc	\$750,295.68	\$0.00	\$0.00	\$0.00	\$750,295.68
500	089-X-0222	2005	25400	Operation	KB0000000	C001009	2923741	KB0281011, Nuclear Physics		Default WFO		Default Loc	\$201,097.43	\$0.00	\$0.00	\$0.00	\$201,097.43
500	089-X-0222	2016	25400	Operation	KP0000000	C001024	2924209	KP1605010, Structural Biology		Default WFO		Default Loc	\$159,617.13	\$0.00	\$0.00	\$0.00	\$159,617.13
500	089-X-0222	2018	25400	Operation	FS1000000	C000984	2923656	FS1006000, Personnel Security		Default WFO		Default Loc	\$0.00	\$327,000.00	\$48,000.00	\$375,000.00	\$375,000.00
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924368	KA2501021, LHC Accelerator		Default WFO		Default Loc	\$0.00	\$1,276,000.00	\$135,000.00	\$1,411,000.00	\$1,411,000.00
500	089-X-0222	2018	25400	Operation	KC0000000	C002853	2924294	KC0202040, Mechanical Behavior		Default WFO		Default Loc	\$0.00	\$111,000.00	\$17,000.00	\$128,000.00	\$128,000.00
500	089-X-0222	2018	25400	Operation	FS1000000	C000984	2923655	FS1005000, Cyber Security		Default WFO		Default Loc	\$0.00	\$1,165,000.00	\$172,000.00	\$1,337,000.00	\$1,337,000.00
500	089-X-0222	2018	31003	Other Equip	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC		Default WF	485396	CHEQU	\$0.00	\$602,000.00	\$30,000.00	\$632,000.00	\$632,000.00
500	089-X-0222	2018	31003	Other Equip	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC		Default WF	485396	CHEQU	\$0.00	\$1,199,799.00	\$0.00	\$1,199,799.00	\$1,199,799.00
500	089-X-0222	2018	25400	Operation	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC		Default WFO		Default Loc	\$0.00	\$20,754,000.00	\$3,113,000.00	\$23,867,000.00	\$23,867,000.00
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924371	KA2501032, National Laboratory		Default WFO		Default Loc	\$0.00	\$708,000.00	\$92,000.00	\$800,000.00	\$800,000.00
500	089-X-0222	2018	32003	Accelerator	KA0000000	C002852	2924496	KA2602020, Accelerator Test		Default WF	485395	CHAIP	\$0.00	\$325,000.00	\$0.00	\$325,000.00	\$325,000.00
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924355	KA2401012, National Laboratory		Default WFO		Default Loc	\$0.00	\$2,026,000.00	\$263,000.00	\$2,289,000.00	\$2,289,000.00
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924305	KC0406020, Accelerator and		Default WFO		Default Loc	\$518,000.00	\$0.00	\$0.00	\$0.00	\$518,000.00
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924192	KC0207010, Energy Frontier		Default WFO		Default Loc	\$3,332,000.00	\$0.00	\$0.00	\$0.00	\$3,332,000.00
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2923809	KC0302030, Heavy Element		Default WFO		Default Loc	\$89,285.79	\$0.00	\$0.00	\$0.00	\$89,285.79
500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924328	KA2202010, Experimental		Default WFO		Default Loc	\$359,003.14	\$0.00	\$0.00	\$0.00	\$359,003.14
500	089-X-0222	2017	25400	Operation	KA0000000	C002852	2924325	KA2201020, National Laboratory		Default WFO		Default Loc	\$1,768,961.30	\$0.00	\$0.00	\$0.00	\$1,768,961.30
500	089-X-0222	2015	25400	Operation	KP0000000	C001024	2924417	KP1606000, STARTING IN FY		Default WFO		Default Loc	\$426,274.76	\$0.00	\$0.00	\$0.00	\$426,274.76
500	089-X-0222	2014	25400	Operation	KC0000000	C002853	2923794	KC0281013, BNL-NSLS		Default WFO		Default Loc	\$165,193.55	\$0.00	\$0.00	\$0.00	\$165,193.55
500	089-X-0222	2015	25400	Operation	KC0000000	C002853	2924232	KC0401030, National Synchrotron		Default WFO		Default Loc	\$783.45	-\$660.73	\$0.00	-\$660.73	\$122.72
500	089-X-0222	2005	25400	Operation	KA0000000	C002852	2923681	KA1102812, Proton Facilities		Default WFO		Default Loc	\$13,915.26	\$0.00	\$0.00	\$0.00	\$13,915.26
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924295	KC0202050, Physical Behavior		Default WFO		Default Loc	\$19,932.29	\$0.00	\$0.00	\$0.00	\$19,932.29
500	089-X-0222	2011	25400	Operation	KP0000000	C001024	2924206	KP1602020, Radiobiology		Default WFO		Default Loc	\$75,857.94	-\$2,470.58	\$0.00	-\$2,470.58	\$73,387.36
500	089-X-0222	2017	25400	Operation	KC0000000	C002853	2924447	KC0213010, Computational		Default WFO		Default Loc	\$2,875,000.00	\$0.00	\$0.00	\$0.00	\$2,875,000.00
500	089-X-0222	2014	25400	Operation	KA0000000	C002852	2923681	KA1102812, Proton Facilities		Default WFO		Default Loc	\$433,221.38	\$0.00	\$0.00	\$0.00	\$433,221.38
500	089-X-0222	2016	31003	Other Equip	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC		Default WF	485396	CHEQU	\$756,638.70	\$0.00	\$0.00	\$0.00	\$756,638.70
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924346	KA2301020, National Laboratory		Default WFO		Default Loc	\$0.00	\$807,000.00	\$105,000.00	\$912,000.00	\$912,000.00
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924319	KA2102090, Other Facilities		Default WFO		Default Loc	\$0.00	\$160,000.00	\$27,000.00	\$187,000.00	\$187,000.00
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924357	KA2401021, Scientific Discovery		Default WFO		Default Loc	\$0.00	\$76,000.00	\$10,000.00	\$86,000.00	\$86,000.00
500	089-X-0222	2018	25400	Operation	KL0000000	C001021	2924408	KL1003000, Visiting Faculty		Default WFO		Default Loc	\$0.00	\$240,000.00	\$0.00	\$240,000.00	\$240,000.00
500	089-X-0222	2018	25400	Operation	KA0000000	C002852	2924358	KA2401022, Scientific Computing		Default WFO		Default Loc	\$0.00	\$111,000.00	\$12,000.00	\$123,000.00	\$123,000.00
500	089-X-0222	2012	25400	Operation	KA0000000	C002852	2924034	KA1502021, Advanced Technology		Default WFO		Default Loc	\$2,499.75	-\$2,499.75	\$0.00	-\$2,499.75	\$0.00
500	089-X-0222	2014	25400	Operation	KB0000000	C001009	2923741	KB0281011, Nuclear Physics		Default WFO		Default Loc	\$82,974.96	\$0.00	\$0.00	\$0.00	\$82,974.96
500	089-X-0222	2017	25400	Operation	KL0000000	C001021	2924408	KL1003000, Visiting Faculty		Default WFO		Default Loc	\$120,000.00	\$0.00	\$0.00	\$0.00	\$120,000.00

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD # 0118 [Financial]
DE-SC0012704

Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OCL	Program	Program Title	WFO	WFO Title	Local Use	Local Use Code	Beginning Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
500	089-X-022	2016	25400	Operation	KA0000000	C002852	2924314	KA2101030, University Service	0	Default WFO	Default Loc		\$85,265.00	\$0.00	\$0.00	\$0.00	\$85,265.00
500	089-X-022	2016	25400	Operation	KC0000000	C002853	2924447	KC0213010, Computational Mod	0	Default WFO	Default Loc		\$2,141,187.26	\$0.00	\$0.00	\$0.00	\$2,141,187.26
500	089-X-022	2017	25400	Operation	KC0000000	C002853	2923774	KC0202020, DO NOT USE!!! E	0	Default WFO	Default Loc		\$477,041.88	\$0.00	\$0.00	\$0.00	\$477,041.88
500	089-X-022	2017	25400	Operation	KC0000000	C002853	2923775	KC0202030, DO NOT USE!!! O	0	Default WFO	Default Loc		\$183,023.62	\$0.00	\$0.00	\$0.00	\$183,023.62
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924319	KA2102090, Other Facilities	0	Default WFO	Default Loc		\$97,189.23	\$0.00	\$0.00	\$0.00	\$97,189.23
500	089-X-022	2017	32001	Constructio	39KA00000	C002786	2924263	39KA00000PRN11SC40000, L	0	Default WFO	Default Loc		\$1,650,069.21	\$0.00	\$0.00	\$0.00	\$1,650,069.21
500	089-X-022	2007	31003	Other Equi	KP0000000	C001024	2923848	KP1101010, Structural Biolog	0	Default WF	485396	CHEQU	\$39,292.45	-\$39,292.45	\$0.00	-\$39,292.45	\$0.00
500	089-X-022	2016	31001	Major Item	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WF	485486	CHEQU	\$4,378,975.89	\$0.00	\$0.00	\$0.00	\$4,378,975.89
500	089-X-022	2017	31003	Other Equi	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC	0	Default WF	485396	CHEQU	\$1,094,000.00	\$0.00	\$0.00	\$0.00	\$1,094,000.00
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924368	KA2501021, LHC Accelerator	0	Default WFO	Default Loc		\$1,191,242.15	\$0.00	\$0.00	\$0.00	\$1,191,242.15
500	089-X-022	2017	25400	Operation	KL0000000	C001021	2924414	KL1500000, Outreach	0	Default WFO	Default Loc		\$76,950.00	\$0.00	\$0.00	\$0.00	\$76,950.00
500	089-X-022	2015	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Ge	0	Default WFO	Default Loc		\$180,000.00	\$0.00	\$0.00	\$0.00	\$180,000.00
500	089-X-022	2017	25400	Operation	KJ0000000	C001018	2924474	KJ0402010, Computer Scienc	0	Default WFO	Default Loc		\$450,000.00	\$0.00	\$0.00	\$0.00	\$450,000.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924380	KA2601020, National Laborat	0	Default WFO	Default Loc		\$0.00	\$197,000.00	\$26,000.00	\$223,000.00	\$223,000.00
500	089-X-022	2018	25400	Operation	KB0000000	C001009	2923746	KB0301020, Theory, National	0	Default WFO	Default Loc		\$0.00	\$2,068,000.00	\$274,000.00	\$2,342,000.00	\$2,342,000.00
500	089-X-022	2018	25400	Operation	FS1000000	C000984	2923653	FS1002000, Security Systems	0	Default WFO	Default Loc		\$0.00	\$498,000.00	\$74,000.00	\$572,000.00	\$572,000.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924328	KA2202010, Experimental Op	0	Default WFO	Default Loc		\$0.00	\$1,006,000.00	\$148,000.00	\$1,154,000.00	\$1,154,000.00
500	089-X-022	2018	25400	Operation	KB0000000	C001009	2923755	KB0401022, Low Energy, Oth	0	Default WFO	Default Loc		\$0.00	\$435,000.00	\$55,000.00	\$490,000.00	\$490,000.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924317	KA2102021, ATLAS Detector	0	Default WFO	Default Loc		\$0.00	\$13,886,000.00	\$1,804,000.00	\$15,690,000.00	\$15,690,000.00
500	089-X-022	2018	31001	Major Item	KA0000000	C002852	2924350	KA2303011, MIE	0	Default WF	4809008	CHEQU	\$0.00	\$500,000.00	\$0.00	\$500,000.00	\$500,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924233	KC0401040, National Synchr	0	Default WFO	Default Loc		\$0.00	\$57,839,000.00	\$6,315,000.00	\$64,154,000.00	\$64,154,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924504	KC0202021, Experimental Co	0	Default WFO	Default Loc		\$0.00	\$1,052,000.00	\$155,000.00	\$1,207,000.00	\$1,207,000.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924496	KA2602020, Accelerator Test	0	Default WFO	Default Loc		\$0.00	\$2,533,000.00	\$510,000.00	\$3,043,000.00	\$3,043,000.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WF	485492	CHOPEMIE	\$0.00	\$931,622.15	\$0.00	\$931,622.15	\$931,622.15
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924299	KC0304020, Physical Bioscier	0	Default WFO	Default Loc		\$0.00	\$1,646,000.00	\$243,000.00	\$1,889,000.00	\$1,889,000.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924325	KA2201020, National Laborat	0	Default WFO	Default Loc		\$0.00	\$3,419,000.00	\$444,000.00	\$3,863,000.00	\$3,863,000.00
500	089-X-022	2018	31003	Other Equi	KC0000000	C002853	2924233	KC0401040, National Synchr	0	Default WF	485396	CHEQU	\$0.00	\$4,800,000.00	\$0.00	\$4,800,000.00	\$4,800,000.00
500	089-X-022	2018	25400	Operation	KJ0000000	C001018	2924476	KJ0403010, Computational P	0	Default WFO	Default Loc		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$100,000.00
500	089-X-022	2018	32003	Accelerator	KC0000000	C002853	2924233	KC0401040, National Synchr	0	Default WF	485395	CHAIP	\$0.00	\$0.00	\$2,200,000.00	\$2,200,000.00	\$2,200,000.00
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924317	KA2102021, ATLAS Detector	0	Default WFO	Default Loc		\$9,236,115.22	\$0.00	\$0.00	\$0.00	\$9,236,115.22
500	089-X-022	2016	25400	Operation	KC0000000	C002853	2924305	KC0406020, Accelerator and	0	Default WFO	Default Loc		\$60,138.03	\$0.00	\$0.00	\$0.00	\$60,138.03
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924371	KA2501032, National Laborat	0	Default WFO	Default Loc		\$461,630.30	\$0.00	\$0.00	\$0.00	\$461,630.30
500	089-X-022	2016	31003	Other Equi	FS1000000	C000984	2923655	FS1005000, Cyber Security	0	Default WF	485396	CHEQU	\$508,268.60	\$0.00	\$0.00	\$0.00	\$508,268.60
500	089-X-022	2017	25400	Operation	KB0000000	C001009	2923749	KB0301042, Theory, Nuclear	0	Default WFO	Default Loc		\$1,210,156.27	\$0.00	\$0.00	\$0.00	\$1,210,156.27
500	089-X-022	2016	25400	Operation	KL0000000	C001021	2924408	KL1003000, Visiting Faculty P	0	Default WFO	Default Loc		\$4,603.33	\$0.00	\$0.00	\$0.00	\$4,603.33
500	089-X-022	2017	25400	Operation	KP0000000	C001024	2924209	KP1605010, Structural Biolog	0	Default WFO	Default Loc		\$2,440,282.49	\$0.00	\$0.00	\$0.00	\$2,440,282.49
500	089-X-022	2017	31001	Major Item	KA0000000	C002852	2924350	KA2303011, MIE	0	Default WF	4809008	CHEQU	\$2,334,659.11	\$0.00	\$0.00	\$0.00	\$2,334,659.11
500	089-X-022	2017	32001	Constructio	39KG01000	C003087	2924481	39KG01000PRN17SC73000 C	0	Default WFO	Default Loc		\$1,772,460.86	\$0.00	\$0.00	\$0.00	\$1,772,460.86
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924336	KA2202090, Other Facilities	0	Default WFO	Default Loc		\$16,370.35	\$0.00	\$0.00	\$0.00	\$16,370.35
500	089-X-022	2017	31003	Other Equi	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC	0	Default WF	485396	CHEQU	\$2,650,000.00	\$0.00	-\$2,318,685.09	-\$2,318,685.09	\$331,314.91
500	089-X-022	2017	25400	Operation	KB0000000	C001009	2923737	KB0202012, Heavy Ion, RHIC	0	Default WFO	Default Loc		\$8,542,881.26	\$0.00	\$2,318,685.09	\$2,318,685.09	\$10,861,566.35

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0118 [Financial]
 DE-SC0012704

Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OCL	Program	Program Title	WFO	WFO Title	Local Use	Local Use Code	Beginning Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924314	KA2101030, University Servic	0	Default WF 0	Default Loc		\$138,670.00	\$0.00	\$0.00	\$0.00	\$138,670.00
500	089-X-022	2016	25400	Operation	KJ0000000	C001018	2924137	KJ0404000, Next Generation	0	Default WF 0	Default Loc		\$70,692.64	\$0.00	\$0.00	\$0.00	\$70,692.64
500	089-X-022	2017	25400	Operation	KJ0000000	C001018	2924476	KJ0403010, Computational P	0	Default WF 0	Default Loc		\$820,586.31	\$0.00	\$0.00	\$0.00	\$820,586.31
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924405	KC0201060, Neutron and X-R	0	Default WF 0	Default Loc		\$0.00	\$1,309,000.00	\$193,000.00	\$1,502,000.00	\$1,502,000.00
500	089-X-022	2018	32003	Accelerator	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC	0	Default WF 485395	CHAIP		\$0.00	\$1,300,000.00	\$156,000.00	\$1,456,000.00	\$1,456,000.00
500	089-X-022	2018	25400	Operation	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC	0	Default WF 0	Default Loc		\$0.00	\$73,790,000.00	\$8,981,000.00	\$82,771,000.00	\$82,771,000.00
500	089-X-022	2018	25400	Operation	KP0000000	C001024	2924203	KP1601040, Computational E	0	Default WF 0	Default Loc		\$0.00	\$370,000.00	\$0.00	\$370,000.00	\$370,000.00
500	089-X-022	2018	25400	Operation	KP0000000	C001024	2924209	KP1605010, Structural Biolog	0	Default WF 0	Default Loc		\$0.00	\$1,696,000.00	\$205,000.00	\$1,901,000.00	\$1,901,000.00
500	089-X-022	2018	25400	Operation	FS1000000	C000984	2923657	FS1007000, Material Control	0	Default WF 0	Default Loc		\$0.00	\$394,000.00	\$58,000.00	\$452,000.00	\$452,000.00
500	089-X-022	2018	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Ge	0	Default WF 0	Default Loc		\$0.00	\$1,237,000.00	\$0.00	\$1,237,000.00	\$1,237,000.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924313	KA2101020, National Laborat	0	Default WF 0	Default Loc		\$0.00	\$3,164,000.00	\$411,000.00	\$3,575,000.00	\$3,575,000.00
500	089-X-022	2018	25400	Operation	KP0000000	C001024	2924462	KP1703040, Climate Model D	0	Default WF 0	Default Loc		\$0.00	\$570,000.00	\$84,000.00	\$654,000.00	\$654,000.00
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924366	KA2501012, National Laborat	0	Default WF 0	Default Loc		\$924.97	\$0.00	\$0.00	\$0.00	\$924.97
500	089-X-022	2017	25400	Operation	KB0000000	C001009	2923746	KB0301020, Theory, National	0	Default WF 0	Default Loc		\$2,050,352.25	\$0.00	\$0.00	\$0.00	\$2,050,352.25
500	089-X-022	2015	25400	Operation	KA0000000	C002852	2924313	KA2101020, National Laborat	0	Default WF 485474	CHOPEMIE		\$43,502.97	\$0.00	\$0.00	\$0.00	\$43,502.97
500	089-X-022	2017	25400	Operation	KC0000000	C002853	2924299	KC0304020, Physical Bioscier	0	Default WF 0	Default Loc		\$1,286,114.39	\$0.00	\$0.00	\$0.00	\$1,286,114.39
500	089-X-022	2017	25400	Operation	KC0000000	C002853	2924300	KC0304030, Solar Photochen	0	Default WF 0	Default Loc		\$2,845,516.62	\$0.00	\$0.00	\$0.00	\$2,845,516.62
500	089-X-022	2017	25400	Operation	KP0000000	C001024	2924462	KP1703040, Climate Model D	0	Default WF 0	Default Loc		\$1,431,000.00	\$0.00	\$0.00	\$0.00	\$1,431,000.00
500	089-X-022	2016	25400	Operation	KJ0000000	C001018	2924135	KJ0402000, Computer Scienc	0	Default WF 0	Default Loc		\$200,953.34	\$0.00	\$0.00	\$0.00	\$200,953.34
500	089-X-022	2017	32003	Accelerator	KB0000000	C001009	2923736	KB0202011, Heavy Ion, RHIC	0	Default WF 485395	CHAIP		\$2,369,000.00	\$0.00	\$0.00	\$0.00	\$2,369,000.00
500	089-X-022	2017	25400	Operation	KP0000000	C001024	2924203	KP1601040, Computational E	0	Default WF 0	Default Loc		\$492,000.00	\$0.00	\$0.00	\$0.00	\$492,000.00
500	089-X-022	2017	25400	Operation	KB0000000	C001009	2924156	KB0201052, Heavy Ion Accel	0	Default WF 0	Default Loc		\$817,467.84	\$0.00	\$0.00	\$0.00	\$817,467.84
500	089-X-022	2015	25400	Operation	KA0000000	C002852	2924342	KA2203012, Line Item OPC	0	Default WF 0	Default Loc		\$219.26	-\$219.26	\$0.00	-\$219.26	\$0.00
500	089-X-022	2011	31003	Other Equi	KC0000000	C002853	3023325	KC0203020, Synthesis and Pr	0	Default WF 485396	CHEQU		\$2,515.98	\$0.00	\$0.00	\$0.00	\$2,515.98
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WF 485493	CHOPEMIE		\$1,149,482.75	\$0.00	\$0.00	\$0.00	\$1,149,482.75
500	089-X-022	2005	25400	Operation	KA0000000	C002852	2923680	KA1102811, Proton Facilities	0	Default WF 0	Default Loc		\$437,633.18	\$0.00	\$0.00	\$0.00	\$437,633.18
500	089-X-022	2017	25400	Operation	KJ0000000	C001018	2924137	KJ0404000, Next Generation	0	Default WF 0	Default Loc		\$730,000.00	\$0.00	\$0.00	\$0.00	\$730,000.00
500	089-X-022	2017	25400	Operation	KC0000000	C002853	2924242	KC0403020, Center for Funct	0	Default WF 0	Default Loc		\$11,363,791.95	\$0.00	\$0.00	\$0.00	\$11,363,791.95
500	089-X-022	2017	25400	Operation	KA0000000	C002852	2924357	KA2401021, Scientific Discov	0	Default WF 0	Default Loc		\$120,000.00	\$0.00	\$0.00	\$0.00	\$120,000.00
500	089-X-022	2018	32001	Constructio	39KG01000	C003087	2924481	39KG01000PRN17SC73000 C	0	Default WF 0	Default Loc		\$0.00	\$3,318,233.00	\$2,466,000.00	\$5,784,233.00	\$5,784,233.00
500	089-X-022	2018	25400	Operation	KA0000000	C002852	2924320	KA2103011, MIE	0	Default WF 485493	CHOPEMIE		\$0.00	\$6,423,000.00	\$766,000.00	\$7,189,000.00	\$7,189,000.00
500	089-X-022	2018	25400	Operation	KJ0000000	C001018	2924516	KJ0403040, Computational P	0	Default WF 0	Default Loc		\$0.00	\$120,000.00	\$0.00	\$120,000.00	\$120,000.00
500	089-X-022	2018	25400	Operation	KC0000000	C002853	2924460	KC0301050, Condensed Phas	0	Default WF 0	Default Loc		\$0.00	\$223,000.00	\$33,000.00	\$256,000.00	\$256,000.00
500	089-X-022	2018	25400	Operation	KL0000000	C001021	2924406	KL1001000, Science Undergr	0	Default WF 0	Default Loc		\$0.00	\$1,050,000.00	\$196,000.00	\$1,246,000.00	\$1,246,000.00
500	089-X-022	2018	25400	Operation	FS1000000	C000984	2923654	FS1004000, Information Secu	0	Default WF 0	Default Loc		\$0.00	\$284,000.00	\$42,000.00	\$326,000.00	\$326,000.00
500	089-X-022	2016	25400	Operation	KP0000000	C001024	2924200	KP1601010, Foundational Ge	0	Default WF 0	Default Loc		\$0.00	\$0.00	\$521,900.65	\$521,900.65	\$521,900.65
510	089-X-022	2017	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4860747	CHAGR871	0		\$94,245.21	\$0.00	\$0.00	\$0.00	\$94,245.21
510	089-X-022	2018	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4861014	CHAGR840	0		\$0.00	\$128,958.68	\$0.00	\$128,958.68	\$128,958.68
510	089-X-022	2018	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4861004	CHAGR841	0		\$0.00	\$44,930.10	\$0.00	\$44,930.10	\$44,930.10
510	089-X-022	2018	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4861091	CHAGRRIKI	0		\$0.00	\$0.00	\$368,693.08	\$368,693.08	\$368,693.08
510	089-X-022	2017	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4861036	CHAGR840	0		\$10,223.77	\$0.00	\$0.00	\$0.00	\$10,223.77

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510	089-X-0222	2017	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4860934	CHAGR873 0		Default Loc	\$5,519.07	-\$169.32	\$0.00	-\$169.32	\$5,349.75
510	089-X-0222	2017	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4861014	CHAGR840 0		Default Loc	\$23,840.15	\$0.00	\$0.00	\$0.00	\$23,840.15
510	089-X-0222	2017	25400	Operation	456100000	C003005	6600199	456165021, Cooperative Res	4861004	CHAGR841 0		Default Loc	\$14,968.90	\$0.00	\$0.00	\$0.00	\$14,968.90
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861027	CHAGR840 0		Default Loc	\$22,087.45	-\$0.03	\$0.00	-\$0.03	\$22,087.42
511	089-X-0222	2016	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860686	CHAGR878 0		Default Loc	\$19,755.50	\$0.00	\$0.00	\$0.00	\$19,755.50
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861042	CHAGR840 0		Default Loc	\$17.49	-\$17.49	\$0.00	-\$17.49	\$0.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861028	CHAGR841 0		Default Loc	\$336.15	-\$336.15	\$0.00	-\$336.15	\$0.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861009	CHAGR841 0		Default Loc	\$7,036.36	\$0.00	\$0.00	\$0.00	\$7,036.36
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861040	CHAGR841 0		Default Loc	\$22,694.53	-\$21,844.66	\$0.00	-\$21,844.66	\$849.87
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861022	CHAGR841 0		Default Loc	\$2,641,348.88	\$0.00	\$0.00	\$0.00	\$2,641,348.88
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861020	CHAGR840 0		Default Loc	\$0.00	\$203,823.89	\$0.00	\$203,823.89	\$203,823.89
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861032	CHAGR841 0		Default Loc	\$0.00	\$57,959.29	\$58,252.42	\$116,211.71	\$116,211.71
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861059	CHAGR842 0		Default Loc	\$0.00	\$6,000.00	\$0.00	\$6,000.00	\$6,000.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861080	CHAGR843 0		Default Loc	\$0.00	\$91,831.68	\$0.00	\$91,831.68	\$91,831.68
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860977	CHAGR873 0		Default Loc	\$0.00	\$139,805.83	\$0.00	\$139,805.83	\$139,805.83
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CHAGR873 0		Default Loc	\$0.00	\$50,485.44	\$0.00	\$50,485.44	\$50,485.44
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861056	CHAGR840 0		Default Loc	\$0.00	\$293,689.32	\$0.00	\$293,689.32	\$293,689.32
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861077	CHAGR843 0		Default Loc	\$0.00	\$11,750.00	-\$4,863.39	\$6,886.61	\$6,886.61
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860971	CHAGR873 0		Default Loc	\$51,738.93	\$0.00	\$0.00	\$0.00	\$51,738.93
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860928	CHAGR873 0		Default Loc	\$95,137.44	\$0.00	\$0.00	\$0.00	\$95,137.44
511	089-X-0222	2015	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860880	CHAGR872 0		Default Loc	\$8,195.24	\$0.00	\$0.00	\$0.00	\$8,195.24
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4860984	CHAGR840 0		Default Loc	\$828.80	\$0.00	\$0.00	\$0.00	\$828.80
511	089-X-0222	2016	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860831	CHAGR872 0		Default Loc	\$4,332.74	\$0.00	\$0.00	\$0.00	\$4,332.74
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861056	CHAGR840 0		Default Loc	\$29,126.21	\$0.00	\$0.00	\$0.00	\$29,126.21
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4860800	CHAGR871 0		Default Loc	\$683.29	\$0.00	\$0.00	\$0.00	\$683.29
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4860978	CHAGR873 0		Default Loc	\$12,052.71	-\$12,052.71	\$0.00	-\$12,052.71	\$0.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861001	CHAGR841 0		Default Loc	\$868.67	-\$868.67	\$0.00	-\$868.67	\$0.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861075	CHAGR843 0		Default Loc	\$0.00	\$29,770.61	\$0.00	\$29,770.61	\$29,770.61
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860971	CHAGR873 0		Default Loc	\$0.00	\$8,509.23	\$0.00	\$8,509.23	\$8,509.23
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861058	CHAGR843 0		Default Loc	\$0.00	\$45,000.00	\$0.00	\$45,000.00	\$45,000.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861052	CHAGR841 0		Default Loc	\$0.00	\$212,491.12	\$55,306.60	\$267,797.72	\$267,797.72
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861053	CHAGR842 0		Default Loc	\$0.00	\$92,258.00	\$34,000.00	\$126,258.00	\$126,258.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861090	CHAGR843 0		Default Loc	\$0.00	\$0.00	\$115,860.00	\$115,860.00	\$115,860.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860986	CHAGR840 0		Default Loc	\$288.29	-\$288.29	\$0.00	-\$288.29	\$0.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861026	CHAGR840 0		Default Loc	\$2,069.60	-\$2,243.82	\$0.00	-\$2,243.82	-\$174.22
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860989	CHAGR840 0		Default Loc	\$1,582.55	-\$53.90	\$0.00	-\$53.90	\$1,528.65
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860949	CHAGR873 0		Default Loc	\$10,245.93	\$0.00	\$0.00	\$0.00	\$10,245.93
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861047	CHAGR841 0		Default Loc	\$552.18	\$0.00	\$0.00	\$0.00	\$552.18
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861033	CHAGR840 0		Default Loc	\$0.00	\$37,346.38	\$0.00	\$37,346.38	\$37,346.38
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861046	CHAGR841 0		Default Loc	\$0.00	\$33,750.00	\$0.00	\$33,750.00	\$33,750.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861066	CHAGR842 0		Default Loc	\$0.00	\$172,327.42	\$69,119.88	\$241,447.30	\$241,447.30

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511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861022	CHAGR841 0	Default Loc		\$0.00	\$4,856,391.65	\$1,759,940.55	\$6,616,332.20	\$6,616,332.20
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4860984	CHAGR840 0	Default Loc		\$0.00	\$79,580.54	\$0.00	\$79,580.54	\$79,580.54
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861062	CHAGR842 0	Default Loc		\$0.00	\$43,689.32	\$0.00	\$43,689.32	\$43,689.32
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861088	CHAGR843 0	Default Loc		\$0.00	\$229,579.42	\$0.00	\$229,579.42	\$229,579.42
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861089	CHAGR843 0	Default Loc		\$0.00	\$0.00	\$29,320.39	\$29,320.39	\$29,320.39
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861045	CHAGR840 0	Default Loc		\$1,270.32	\$0.00	\$0.00	\$0.00	\$1,270.32
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860969	CHAGR873 0	Default Loc		\$47,519.68	\$0.00	\$0.00	\$0.00	\$47,519.68
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860977	CHAGR873 0	Default Loc		\$5,748.27	\$0.00	\$0.00	\$0.00	\$5,748.27
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861046	CHAGR841 0	Default Loc		\$11,250.00	\$0.00	\$0.00	\$0.00	\$11,250.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861043	CHAGR841 0	Default Loc		\$110,437.28	-\$0.16	\$0.00	-\$0.16	\$110,437.12
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861029	CHAGR840 0	Default Loc		\$1,721.51	\$0.00	\$0.00	\$0.00	\$1,721.51
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4801577	CHAGR878 0	Default Loc		\$54,993.37	\$0.00	\$0.00	\$0.00	\$54,993.37
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861020	CHAGR840 0	Default Loc		\$34,126.87	\$0.00	\$0.00	\$0.00	\$34,126.87
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861031	CHAGR840 0	Default Loc		\$20,000.00	-\$2,495.26	\$0.00	-\$2,495.26	\$17,504.74
511	089-X-0222	2016	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860880	CHAGR872 0	Default Loc		\$3,397.00	\$0.00	\$0.00	\$0.00	\$3,397.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861072	CHAGR842 0	Default Loc		\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$5,000.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861023	CHAGR840 0	Default Loc		\$0.00	\$131,460.88	\$0.00	\$131,460.88	\$131,460.88
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860686	CHAGR878 0	Default Loc		\$0.00	\$264,550.00	\$0.00	\$264,550.00	\$264,550.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861084	CHAGR843 0	Default Loc		\$0.00	\$18,221.00	\$0.00	\$18,221.00	\$18,221.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861065	CHAGR842 0	Default Loc		\$0.00	\$194,174.76	\$0.00	\$194,174.76	\$194,174.76
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860350	CHAGR873 0	Default Loc		\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861096	CHAGR843 0	Default Loc		\$0.00	\$0.00	\$91,831.73	\$91,831.73	\$91,831.73
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4860813	CHAGR872 0	Default Loc		\$77,323.17	\$0.00	\$0.00	\$0.00	\$77,323.17
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861030	CHAGR840 0	Default Loc		\$1,696.16	\$0.00	\$0.00	\$0.00	\$1,696.16
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860748	CHAGR871 0	Default Loc		\$658.25	\$0.00	\$0.00	\$0.00	\$658.25
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861033	CHAGR840 0	Default Loc		\$2,962.41	\$0.00	\$0.00	\$0.00	\$2,962.41
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861023	CHAGR840 0	Default Loc		\$70,749.31	\$0.00	\$0.00	\$0.00	\$70,749.31
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861074	CHAGR842 0	Default Loc		\$0.00	\$45,946.77	\$0.01	\$45,946.78	\$45,946.78
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861070	CHAGR842 0	Default Loc		\$0.00	\$13,348.43	\$0.00	\$13,348.43	\$13,348.43
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861086	CHAGR843 0	Default Loc		\$0.00	\$0.00	\$22,957.93	\$22,957.93	\$22,957.93
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860936	CHAGR872 0	Default Loc		\$8,423.32	\$0.00	\$0.00	\$0.00	\$8,423.32
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861044	CHAGR841 0	Default Loc		\$0.03	-\$0.03	\$0.00	-\$0.03	\$0.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861032	CHAGR841 0	Default Loc		\$25,541.67	\$0.00	\$0.00	\$0.00	\$25,541.67
511	089-X-0222	2014	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860840	CHAGR872 0	Default Loc		\$0.96	-\$0.96	\$0.00	-\$0.96	\$0.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861021	CHAGR840 0	Default Loc		\$11,323.36	\$0.00	\$0.00	\$0.00	\$11,323.36
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861034	CHAGR840 0	Default Loc		\$0.10	-\$0.10	\$0.00	-\$0.10	\$0.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861060	CHAGR842 0	Default Loc		\$0.00	\$66,262.39	\$0.00	\$66,262.39	\$66,262.39
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861076	CHAGR843 0	Default Loc		\$0.00	\$530,763.76	\$0.00	\$530,763.76	\$530,763.76
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861079	CHAGR843 0	Default Loc		\$0.00	\$103,310.70	\$0.00	\$103,310.70	\$103,310.70
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861087	CHAGR843 0	Default Loc		\$0.00	\$2,500.00	\$0.00	\$2,500.00	\$2,500.00
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4861093	CHAGR843 0	Default Loc		\$0.00	\$0.00	\$45,000.00	\$45,000.00	\$45,000.00

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511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861015	CHAGR840 0	Default Loc		\$1,726,233.20	\$0.00	\$0.00	\$0.00	\$1,726,233.20
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861050	CHAGR841 0	Default Loc		\$44,174.91	-\$0.07	\$0.00	-\$0.07	\$44,174.84
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861053	CHAGR842 0	Default Loc		\$25,000.00	\$0.00	\$0.00	\$0.00	\$25,000.00
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4860874	CHAGR872 0	Default Loc		\$38,881.13	\$0.00	\$0.00	\$0.00	\$38,881.13
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860982	CHAGR840 0	Default Loc		\$36,317.18	\$0.00	\$0.00	\$0.00	\$36,317.18
511	089-X-0222	2016	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860871	CHAGR872 0	Default Loc		\$13,578.50	\$0.00	\$0.00	\$0.00	\$13,578.50
511	089-X-0222	2016	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860931	CHAGR872 0	Default Loc		\$5,157.98	\$0.00	\$0.00	\$0.00	\$5,157.98
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860946	CHAGR873 0	Default Loc		\$75,847.99	\$0.00	\$0.00	\$0.00	\$75,847.99
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860969	CHAGR873 0	Default Loc		\$0.00	\$72,107.82	\$0.00	\$72,107.82	\$72,107.82
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861009	CHAGR841 0	Default Loc		\$0.00	\$914.32	\$0.00	\$914.32	\$914.32
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861068	CHAGR842 0	Default Loc		\$0.00	\$5,521.86	\$0.00	\$5,521.86	\$5,521.86
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861063	CHAGR842 0	Default Loc		\$0.00	\$22,087.46	\$0.00	\$22,087.46	\$22,087.46
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4860975	CHAGR873 0	Default Loc		\$5,204.80	\$0.00	-\$265.74	-\$265.74	\$4,939.06
511	089-X-0222	2014	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860871	CHAGR872 0	Default Loc		\$209,237.49	\$0.00	\$0.00	\$0.00	\$209,237.49
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861052	CHAGR841 0	Default Loc		\$2,999,587.54	\$0.00	\$0.00	\$0.00	\$2,999,587.54
511	089-X-0222	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861017	CHAGR841 0	Default Loc		\$3,315.04	\$0.00	\$0.00	\$0.00	\$3,315.04
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861021	CHAGR840 0	Default Loc		\$0.00	\$5,495.81	\$0.00	\$5,495.81	\$5,495.81
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861067	CHAGR842 0	Default Loc		\$0.00	\$37,574.13	\$0.00	\$37,574.13	\$37,574.13
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861030	CHAGR840 0	Default Loc		\$0.00	\$22,455.01	\$0.00	\$22,455.01	\$22,455.01
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600147	456160032, Industry - Foreign	4861061	CHAGR842 0	Default Loc		\$0.00	\$33,131.18	\$0.00	\$33,131.18	\$33,131.18
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4860936	CHAGR872 0	Default Loc		\$0.00	\$4,314.37	\$119.70	\$4,434.07	\$4,434.07
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861064	CHAGR842 0	Default Loc		\$0.00	\$44,174.92	\$0.00	\$44,174.92	\$44,174.92
511	089-X-0222	2018	25400	Operation	456100000	C003005	6600146	456160031, Industry - Domestic	4861071	CHAGR842 0	Default Loc		\$0.00	\$15,000.00	\$0.00	\$15,000.00	\$15,000.00
517	089-X-0222	2015	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4860823	CHAGR872 0	Default Loc		\$36,038.18	\$0.00	\$0.00	\$0.00	\$36,038.18
517	089-X-0222	2016	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4860826	CHAGR872 0	Default Loc		\$23,465.53	\$0.00	\$0.00	\$0.00	\$23,465.53
517	089-X-0222	2017	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4860834	CHAGR872 0	Default Loc		\$30,195.40	\$0.00	\$0.00	\$0.00	\$30,195.40
517	089-X-0222	2018	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4860823	CHAGR872 0	Default Loc		\$0.00	\$33,980.58	\$0.00	\$33,980.58	\$33,980.58
517	089-X-0222	2018	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4860826	CHAGR872 0	Default Loc		\$0.00	\$1,192,402.92	\$0.00	\$1,192,402.92	\$1,192,402.92
517	089-X-0222	2018	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4860834	CHAGR872 0	Default Loc		\$0.00	\$29,126.21	\$0.00	\$29,126.21	\$29,126.21
517	089-X-0222	2018	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4861010	CHAGR873 0	Default Loc		\$0.00	\$2,351,456.31	\$0.00	\$2,351,456.31	\$2,351,456.31
517	089-X-0222	2017	25400	Operation	456100000	C003005	6600207	456167SC0, Office of Science	4861010	CHAGR873 0	Default Loc		\$76,566.43	\$0.00	\$0.00	\$0.00	\$76,566.43
679	089-15/16-	2015	25400	Operation	WA2200000	C001104	2822390	WA2230100, Other Related E		Default WF 302064	Climate RE		\$40,000.00	\$0.00	\$0.00	\$0.00	\$40,000.00
681	089-14/15-	2014	25400	Operation	WA2200000	C001104	2822390	WA2230100, Other Related E		Default WF 0	Default Loc		\$39,548.18	\$0.00	\$0.00	\$0.00	\$39,548.18
692	089-14/15-	2014	25400	Operation	WN0000000	C001118	1721222	WN0219060, State and Local	4860825	CHAGR872 0	Default Loc		\$17,728.79	\$0.00	\$0.00	\$0.00	\$17,728.79
900	089-X-024(	2014	25400	Operation	DP1204000	C000912	2220743	DP1204010, Secondary Asses		Default WF 0	Default Loc		\$836.82	\$0.00	\$0.00	\$0.00	\$836.82
900	089-X-024(	2015	25400	Operation	DP4000000	C000925	2221775	DP4015011 - Radiological Ass		Default WF 0	Default Loc		\$0.01	\$0.00	\$0.00	\$0.00	\$0.01
900	089-X-024(	2015	25400	Operation	DP8000000	C002982	2222989	DP8000000, Counterterrorisr		Default WF 0	Default Loc		\$49,412.56	\$0.00	\$0.00	\$0.00	\$49,412.56
900	089-X-024(	2017	25400	Operation	DP0909000	C002955	2223112	DP0909010, Nuclear Criticalit		Default WF 0	Default Loc		\$15,478.29	\$0.00	\$0.00	\$0.00	\$15,478.29
900	089-X-024(	2014	25400	Operation	DP4000000	C000925	2222480	DP4011093, Nuclear Counter		Default WF 0	Default Loc		\$2,057.91	\$0.00	\$0.00	\$0.00	\$2,057.91
900	089-X-024(	2018	25400	Operation	DP0909000	C002955	2223112	DP0909010, Nuclear Criticalit		Default WF 0	Default Loc		\$0.00	\$257,000.00	\$5,000.00	\$262,000.00	\$262,000.00
1050	089-X-024(2018	25400	Operation	HQ0000000	C002425	3184701	HQ1001000, Worker Advoca		Default WF 0	Default Loc		\$0.00	\$30,000.00	\$5,000.00	\$35,000.00	\$35,000.00

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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
1050	089-X-024	2017	25400	Operation	HQ0000000	C002425	3184701	HQ1001000, Worker Advocacy		Default WFO			\$13,140.76	\$0.00	\$0.00	\$0.00	\$13,140.76
1055	089-X-024	2018	25400	Operation	456100000	C003005	6600084	45614036B, Science and Tech	4861051	CHAGRHS-			\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$50,000.00
1055	089-X-024	2018	25400	Operation	456100000	C003005	6600040	456140142, Other DOD Agen	4861082	CHAGREAC			\$0.00	\$15,000.00	\$0.00	\$15,000.00	\$15,000.00
1060	089-X-024	2018	25400	Operation	GD6000000	C002970	3203780	GD6050200, Technical Servic		Default WFO			\$0.00	\$243,975.00	\$38,719.00	\$282,694.00	\$282,694.00
1060	089-X-024	2016	25400	Operation	GD6000000	C002970	3203764	GD6020400, CI Training		Default WFO			\$11,412.93	\$0.00	\$0.00	\$0.00	\$11,412.93
1060	089-X-024	2017	25400	Operation	GD6000000	C002970	3203779	GD6050100, CYBER & OPERA		Default WFO			\$113,058.15	\$0.00	\$0.00	\$0.00	\$113,058.15
1060	089-X-024	2015	25400	Operation	GD2500000	C002546	3203755	GD2540250, CI Training		Default WFO			\$38,022.43	\$0.00	\$0.00	\$0.00	\$38,022.43
1060	089-X-024	2017	25400	Operation	GD6000000	C002970	3203764	GD6020400, CI Training		Default WFO			\$25,765.00	\$0.00	\$0.00	\$0.00	\$25,765.00
1060	089-X-024	2018	25400	Operation	GD6000000	C002970	3203769	GD6020900, Office of The SC		Default WFO			\$0.00	\$479,480.00	\$71,350.00	\$550,830.00	\$550,830.00
1060	089-X-024	2017	25400	Operation	GD6000000	C002970	3203769	GD6020900, Office of The SC		Default WFO			\$172,424.87	\$0.00	\$0.00	\$0.00	\$172,424.87
1060	089-X-024	2017	25400	Operation	GD6000000	C002970	3203763	GD6020300, Investigations		Default WFO			\$348,672.66	\$0.00	\$0.00	\$0.00	\$348,672.66
1060	089-X-024	2017	25400	Operation	GD6000000	C002970	3203780	GD6050200, Technical Servic		Default WFO			\$126,271.10	\$0.00	\$0.00	\$0.00	\$126,271.10
1060	089-X-024	2018	25400	Operation	GD6000000	C002970	3203764	GD6020400, CI Training		Default WFO			\$0.00	\$5,070.00	\$0.00	\$5,070.00	\$5,070.00
1060	089-X-024	2018	25400	Operation	GD6000000	C002970	3203763	GD6020300, Investigations		Default WFO			\$0.00	\$907,600.00	\$135,050.00	\$1,042,650.00	\$1,042,650.00
1060	089-X-024	2017	25400	Operation	GD6000000	C002970	3203761	GD6020100, Analysis		Default WFO			\$99,987.56	\$0.00	\$0.00	\$0.00	\$99,987.56
1060	089-X-024	2018	25400	Operation	GD6000000	C002970	3203761	GD6020100, Analysis		Default WFO			\$0.00	\$211,570.00	\$31,480.00	\$243,050.00	\$243,050.00
1079	089-16/17-	2016	25400	Operation	CS0000000	C000892	1713352	CS7000000, Integrated Joint		Default WFO			\$24,072.62	\$0.00	\$0.00	\$0.00	\$24,072.62
1551	089-X-030	2015	25400	Operation	NN4000000	C001056	2222728	NN4011020, Nuclear Noncon		Default WFO			\$1,486.29	\$0.00	\$0.00	\$0.00	\$1,486.29
1551	089-X-030	2017	25400	Operation	CT0000000	C003007	2223023	CT8404010, Evaluation, Exer		Default WFO			\$4,995.57	\$0.00	\$0.00	\$0.00	\$4,995.57
1551	089-X-030	2015	25400	Operation	NN2000000	C001052	2221132	NN2001000, Nonproliferati		Default WFO			\$26,300.17	\$0.00	\$0.00	\$0.00	\$26,300.17
1551	089-X-030	2017	25400	Operation	CT0000000	C003007	2223020	CT8401000, Radiological Assi		Default WFO			\$1,086,494.82	\$0.00	\$0.00	\$0.00	\$1,086,494.82
1551	089-X-030	2017	25400	Operation	DN1005000	C003088	2223152	DN1005010, Domestic Radiol		Default WFO			\$40,000.00	\$0.00	\$0.00	\$0.00	\$40,000.00
1551	089-X-030	2018	25400	Operation	DN2000000	C003038	2223076	DN2001000, Proliferation De		Default WFO			\$0.00	\$296,034.71	\$0.00	\$296,034.71	\$296,034.71
1551	089-X-030	2018	25400	Operation	DN1003000	C003036	2223063	DN1003011, U.S. Costs for R		Default WFO			\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$200,000.00
1551	089-X-030	2015	25400	Operation	NN5000000	C001058	2221234	NN5002010, U.S. Costs for R		Default WFO			\$426,518.22	\$0.00	\$0.00	\$0.00	\$426,518.22
1551	089-X-030	2015	25400	Operation	NN5000000	C001058	2221235	NN5002020, In-Country Cost:		Default WFO			\$1,298,068.16	\$0.00	-\$18,058.69	-\$18,058.69	\$1,280,009.47
1551	089-X-030	2017	25400	Operation	CT0000000	C003007	2223025	CT8405010, Technology Inte		Default WFO			\$319.64	\$0.00	\$0.00	\$0.00	\$319.64
1551	089-X-030	2015	25400	Operation	NN4000000	C001056	2222730	NN4012010, Global Regimes		Default WFO			\$2,345.59	\$0.00	\$0.00	\$0.00	\$2,345.59
1551	089-X-030	2014	25400	Operation	NN5000000	C001058	2221235	NN5002020, In-Country Cost:		Default WFO			\$570,714.02	\$0.00	-\$22,388.44	-\$22,388.44	\$548,325.58
1551	089-X-030	2015	25400	Operation	NN5000000	C001058	2221241	NN5004020, In-Country Cost:		Default WFO			\$29.25	-\$29.25	\$0.00	-\$29.25	\$0.00
1551	089-X-030	2017	25400	Operation	DN4000000	C003042	2223096	DN4001030, Safeguards Tech		Default WFO			\$155,393.01	\$0.00	\$0.00	\$0.00	\$155,393.01
1551	089-X-030	2018	25400	Operation	CT0000000	C003007	2223025	CT8405010, Technology Inte		Default WFO			\$0.00	\$6,095.00	\$6,679.00	\$12,774.00	\$12,774.00
1551	089-X-030	2013	25400	Operation	NN4000000	C001056	2222721	NN4010010, International Nc		Default WFO			\$348.29	\$0.00	\$0.00	\$0.00	\$348.29
1551	089-X-030	2017	25400	Operation	DN3001000	C003039	2223080	DN3001020, Molybdenum-9		Default WFO			\$7,011.34	\$0.00	\$0.00	\$0.00	\$7,011.34
1551	089-X-030	2016	25400	Operation	DN1001000	C003034	2223053	DN1001021, U.S. Costs for R		Default WFO			\$596,721.35	\$0.00	\$0.00	\$0.00	\$596,721.35
1551	089-X-030	2014	25400	Operation	NN5000000	C001058	2222881	NN5070040, US Costs for Noi		Default WFO			\$27,382.94	\$0.00	\$0.00	\$0.00	\$27,382.94
1551	089-X-030	2018	25400	Operation	DN1005000	C003088	2223152	DN1005010, Domestic Radiol		Default WFO			\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$200,000.00
1551	089-X-030	2018	25400	Operation	DN2010000	C003118	2223180	DN2010000, Proliferation De		Default WFO			\$0.00	\$0.00	\$478,965.29	\$478,965.29	\$478,965.29
1551	089-X-030	2017	25400	Operation	DN1001000	C003034	2223049	DN1001011, U.S. Costs for R		Default WFO			\$140,000.00	\$0.00	\$0.00	\$0.00	\$140,000.00
1551	089-X-030	2015	25400	Operation	NN9100000	C002938	2222883	NN9100000, Highly Enriched		Default WFO			\$952.05	\$0.00	\$0.00	\$0.00	\$952.05
1551	089-X-030	2017	25400	Operation	DN2000000	C003038	2223076	DN2001000, Proliferation De		Default WFO			\$480,711.69	\$0.00	\$0.00	\$0.00	\$480,711.69

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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-030	2017	25400	Operation	DN3001000	C003039	2223079	DN3001010, Highly Enriched	0	Default WFO	Default Loc		\$10,135.62	\$0.00	\$0.00	\$0.00	\$10,135.62
1551	089-X-030	2015	25400	Operation	NN4000000	C001056	2222732	NN4012030, Multilateral Sup	0	Default WFO	Default Loc		\$830.02	\$0.00	\$0.00	\$0.00	\$830.02
1551	089-X-030	2016	25400	Operation	DN4000000	C003042	2223101	DN4003010, Warhead Disma	0	Default WFO	Default Loc		\$2,912.16	\$0.00	\$0.00	\$0.00	\$2,912.16
1551	089-X-030	2013	25400	Operation	NN5000000	C001058	2221240	NN5004010, U.S. Costs for R	0	Default WFO	Default Loc		\$116,033.19	-\$116,798.56	\$0.00	-\$116,798.56	-\$765.37
1551	089-X-030	2016	25400	Operation	DN1001000	C003034	2223049	DN1001011, U.S. Costs for R	0	Default WFO	Default Loc		\$72,500.55	\$0.00	\$0.00	\$0.00	\$72,500.55
1551	089-X-030	2017	25400	Operation	DN1003000	C003036	2223063	DN1003011, U.S. Costs for R	0	Default WFO	Default Loc		\$341,187.02	\$0.00	\$0.00	\$0.00	\$341,187.02
1551	089-X-030	2015	25400	Operation	NN4000000	C001056	2222717	NN4009010, Safeguards Polic	0	Default WFO	Default Loc		\$30,331.23	\$0.00	\$0.00	\$0.00	\$30,331.23
1551	089-X-030	2015	25400	Operation	NN5000000	C001058	2222810	NN5002040, US Costs for Noi	0	Default WFO	Default Loc		\$69,665.61	\$0.00	\$0.00	\$0.00	\$69,665.61
1551	089-X-030	2015	25400	Operation	NN5000000	C001058	2221243	NN5005011, U.S. Costs for R	0	Default WFO	Default Loc		\$54,437.77	\$0.00	\$0.00	\$0.00	\$54,437.77
1551	089-X-030	2018	25400	Operation	CT0000000	C003007	2223020	CT8401000, Radiological Assi	0	Default WFO	Default Loc		\$0.00	\$1,544,984.00	\$1,581,012.00	\$3,125,996.00	\$3,125,996.00
1551	089-X-030	2018	25400	Operation	DN4000000	C003042	2223096	DN4001030, Safeguards Tech	0	Default WFO	Default Loc		\$0.00	\$1,070,000.00	\$0.00	\$1,070,000.00	\$1,070,000.00
1551	089-X-030	2018	25400	Operation	DN2000000	C003038	2223154	DN2006000, USHPRR	0	Default WFO	Default Loc		\$0.00	\$147,344.00	\$0.00	\$147,344.00	\$147,344.00
1551	089-X-030	2014	25400	Operation	NN4000000	C001056	2222722	NN4010021, US Costs for Rus	0	Default WFO	Default Loc		\$327.66	\$0.00	\$0.00	\$0.00	\$327.66
1551	089-X-030	2017	25400	Operation	DN4000000	C003042	2223106	DN4004040, Policy Studies ar	0	Default WFO	Default Loc		\$26.66	\$0.00	\$0.00	\$0.00	\$26.66
1551	089-X-030	2015	25400	Operation	NN4000000	C001056	2222719	NN4009030, Safeguards Tech	0	Default WFO	Default Loc		\$2,773.36	\$0.00	\$0.00	\$0.00	\$2,773.36
1551	089-X-030	2014	25400	Operation	NN5000000	C001058	2221231	NN5001010, U.S. Costs for R	0	Default WFO	Default Loc		\$72.68	\$0.00	\$0.00	\$0.00	\$72.68
1551	089-X-030	2018	25400	Operation	DN4000000	C003042	2223103	DN4004010, Global Regimes	0	Default WFO	Default Loc		\$0.00	\$45,000.00	\$0.00	\$45,000.00	\$45,000.00
1551	089-X-030	2018	25400	Operation	CT0000000	C003007	2223014	CT8101000, Nuclear Incident	0	Default WFO	Default Loc		\$0.00	\$0.00	\$50,000.00	\$50,000.00	\$50,000.00
1551	089-X-030	2017	25400	Operation	DN2000000	C003038	2223154	DN2006000, USHPRR	0	Default WFO	Default Loc		\$283,177.06	\$0.00	\$0.00	\$0.00	\$283,177.06
1551	089-X-030	2015	25400	Operation	NN4000000	C001056	2222718	NN4009020, DO NOT USE!!!	0	Default WFO	Default Loc		\$1,520.12	\$0.00	\$0.00	\$0.00	\$1,520.12
1551	089-X-030	2014	25400	Operation	NN5000000	C001058	2221241	NN5004020, In-Country Cost:	0	Default WFO	Default Loc		\$22,388.44	-\$22,388.44	\$0.00	-\$22,388.44	\$0.00
1551	089-X-030	2015	25400	Operation	NN5000000	C001058	2221240	NN5004010, U.S. Costs for R	0	Default WFO	Default Loc		\$33,515.04	-\$18,029.44	\$0.00	-\$18,029.44	\$15,485.60
1551	089-X-030	2017	25400	Operation	DN4000000	C003042	2223102	DN4003020, Nuclear Noncon	0	Default WFO	Default Loc		\$32,240.31	\$0.00	\$0.00	\$0.00	\$32,240.31
1551	089-X-030	2018	25400	Operation	DN4000000	C003042	2223094	DN4001010, Safeguards Polic	0	Default WFO	Default Loc		\$0.00	\$625,075.00	\$0.00	\$625,075.00	\$625,075.00
1551	089-X-030	2016	25400	Operation	DN4000000	C003042	2223105	DN4004030, Multilateral Sup	0	Default WFO	Default Loc		\$127,037.86	\$0.00	\$0.00	\$0.00	\$127,037.86
1551	089-X-030	2017	25400	Operation	DN4000000	C003042	2223094	DN4001010, Safeguards Polic	0	Default WFO	Default Loc		\$295,963.81	\$0.00	\$0.00	\$0.00	\$295,963.81
1551	089-X-030	2013	25400	Operation	NN5000000	C001058	2222811	NN5003040, US Costs for Noi	0	Default WFO	Default Loc		\$2,868.79	\$0.00	\$0.00	\$0.00	\$2,868.79
1551	089-X-030	2017	25400	Operation	CT0000000	C003007	2223014	CT8101000, Nuclear Incident	0	Default WFO	Default Loc		\$230,790.44	\$0.00	\$0.00	\$0.00	\$230,790.44
1551	089-X-030	2017	25400	Operation	DN4000000	C003042	2223095	DN4001020, Safeguards Enga	0	Default WFO	Default Loc		\$953,147.65	\$0.00	\$0.00	\$0.00	\$953,147.65
1551	089-X-030	2018	25400	Operation	CT0000000	C003007	2223144	CT8000000, NA-80 CTCP	0	Default WFO	Default Loc		\$0.00	\$120,000.00	\$0.00	\$120,000.00	\$120,000.00
1551	089-X-030	2015	25400	Operation	NN9300000	C002936	2222890	NN9301000, Domestic Nucle:	0	Default WFO	Default Loc		\$23,901.61	\$0.00	\$0.00	\$0.00	\$23,901.61
1551	089-X-030	2015	25400	Operation	NN5000000	C001058	2222881	NN5070040, US Costs for Noi	0	Default WFO	Default Loc		\$15,000.00	\$0.00	\$0.00	\$0.00	\$15,000.00
1551	089-X-030	2015	25400	Operation	NN4000000	C001056	2222733	NN4012040, Policy Studies ar	0	Default WFO	Default Loc		\$52,839.60	\$0.00	\$0.00	\$0.00	\$52,839.60
1551	089-X-030	2017	25400	Operation	DN4000000	C003042	2223103	DN4004010, Global Regimes	0	Default WFO	Default Loc		\$25,181.87	\$0.00	\$0.00	\$0.00	\$25,181.87
1551	089-X-030	2018	25400	Operation	CT0000000	C003007	2223023	CT8404010, Evaluation, Exerc	0	Default WFO	Default Loc		\$0.00	\$49,520.00	\$59,966.00	\$109,486.00	\$109,486.00
1551	089-X-030	2018	25400	Operation	DN4000000	C003042	2223102	DN4003020, Nuclear Noncon	0	Default WFO	Default Loc		\$0.00	\$480,500.00	\$155,000.00	\$635,500.00	\$635,500.00
1551	089-X-030	2018	25400	Operation	DN4000000	C003042	2223095	DN4001020, Safeguards Enga	0	Default WFO	Default Loc		\$0.00	\$452,500.00	\$0.00	\$452,500.00	\$452,500.00
1551	089-X-030	2018	25400	Operation	DN2012000	C003120	2223182	DN2012010, U.S. High Perfor	0	Default WFO	Default Loc		\$0.00	\$0.00	\$252,656.00	\$252,656.00	\$252,656.00
1557	089-X-030	2012	25400	Operation	NN5000000	C001058	2222290	NN5010000, International Co	0	Default WFO	Default Loc		\$46,587.47	\$0.00	\$0.00	\$0.00	\$46,587.47
1650	089-X-031	2010	25400	Operation	PS0000000	C001075	2221514	PS0202132, Advisory and Ass	0	Default WFO	Default Loc		\$38,795.51	\$0.00	\$0.00	\$0.00	\$38,795.51
1689	089-14/15-	2014	25400	Operation	PS0000000	C001075	2222565	PS0202200, A&A, Counterter	0	Default WFO	Default Loc		\$2,021.13	\$0.00	\$0.00	\$0.00	\$2,021.13

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Fund Code	Fund Code Title	Appropriation Year	Object Class	Object Class Title	Legacy B&R Control	OCL	Program	Program Title	WFO	WFO Title	Local Use	Local Use Code	Beginning Uncosted Obligations	Budget Authority Previous	Budget Authority Change	Budget Authority Revised	Total Available
1751	089-X-0315	2013	25400	Operation	EZ5000000	C002226	1110981	EZ5012300 - BRNL-0030 Soil	0	Default WFO	Default Loc		\$510,649.00	\$0.00	\$0.00	\$0.00	\$510,649.00
1751	089-X-0315	2015	25400	Operation	EZ5000000	C002226	1110981	EZ5012300 - BRNL-0030 Soil	0	Default WFO	Default Loc		\$47.62	\$0.00	\$0.00	\$0.00	\$47.62
2300	089-X-4180	2017	25400	Operation	ST0000000	C001087	2720715	ST5001030, Other National L	0	Default WFO	Default Loc		\$408,904.78	\$220,000.00	\$0.00	\$220,000.00	\$628,904.78
2300	089-X-4180	2016	25400	Operation	ST0000000	C001087	2924424	ST5001040, Actinium-225 Te	0	Default WFO	Default Loc		\$100,000.00	\$0.00	\$0.00	\$0.00	\$100,000.00
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2720718	ST6001020, Brookhaven Line	0	Default WFO	Default Loc		\$0.00	\$809,000.00	\$0.00	\$809,000.00	\$809,000.00
2300	089-X-4180	2017	25400	Operation	ST0000000	C001087	2924280	ST6001032, Hot Cell and Oth	0	Default WFO	Default Loc		\$658,053.20	\$650,000.00	\$0.00	\$650,000.00	\$1,308,053.20
2300	089-X-4180	2017	25400	Operation	ST0000000	C001087	2924306	ST6001031, Production	0	Default WFO	Default Loc		\$2,160,000.00	\$191,000.00	\$0.00	\$191,000.00	\$2,351,000.00
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2720714	ST5001020, Brookhaven Line	0	Default WFO	Default Loc		\$0.00	\$289,000.00	\$0.00	\$289,000.00	\$289,000.00
2300	089-X-4180	2016	25400	Operation	ST0000000	C001087	2924306	ST6001031, Production	0	Default WFO	Default Loc		\$428,187.59	\$0.00	\$0.00	\$0.00	\$428,187.59
2300	089-X-4180	2014	25400	Operation	ST0000000	C001087	2720714	ST5001020, Brookhaven Line	0	Default WFO	Default Loc		\$229,180.08	\$0.00	\$0.00	\$0.00	\$229,180.08
2300	089-X-4180	2017	25400	Operation	ST0000000	C001087	2924281	ST6001034, Facility Upgrades	0	Default WFO	Default Loc		\$592,572.04	\$0.00	\$0.00	\$0.00	\$592,572.04
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2924281	ST6001034, Facility Upgrades	0	Default WFO	Default Loc		\$0.00	\$834,000.00	\$0.00	\$834,000.00	\$834,000.00
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2924306	ST6001031, Production	0	Default WFO	Default Loc		\$0.00	\$3,711,000.00	\$0.00	\$3,711,000.00	\$3,711,000.00
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2924280	ST6001032, Hot Cell and Oth	0	Default WFO	Default Loc		\$0.00	\$1,873,000.00	\$0.00	\$1,873,000.00	\$1,873,000.00
2300	089-X-4180	2015	32003	Accelerator	ST0000000	C001087	2924281	ST6001034, Facility Upgrades	0	Default WF 485395	CHAIP		\$152,000.00	\$0.00	\$0.00	\$0.00	\$152,000.00
2300	089-X-4180	2016	25400	Operation	ST0000000	C001087	2924282	ST6001036, Technical Service	0	Default WFO	Default Loc		\$19,083.00	\$0.00	\$0.00	\$0.00	\$19,083.00
2300	089-X-4180	2014	32003	Accelerator	ST0000000	C001087	2924281	ST6001034, Facility Upgrades	0	Default WF 485395	CHAIP		\$123,010.46	-\$1,283.45	\$0.00	-\$1,283.45	\$121,727.01
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2720715	ST5001030, Other National L	0	Default WFO	Default Loc		\$0.00	\$334,000.00	\$0.00	\$334,000.00	\$334,000.00
2300	089-X-4180	2016	25400	Operation	ST0000000	C001087	2720716	ST5002000, University Resea	0	Default WFO	Default Loc		\$1,292.10	\$0.00	\$0.00	\$0.00	\$1,292.10
2300	089-X-4180	2017	25400	Operation	ST0000000	C001087	2720718	ST6001020, Brookhaven Line	0	Default WFO	Default Loc		\$241,530.03	\$160,000.00	\$0.00	\$160,000.00	\$401,530.03
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2720716	ST5002000, University Resea	0	Default WFO	Default Loc		\$0.00	\$35,000.00	\$0.00	\$35,000.00	\$35,000.00
2300	089-X-4180	2014	25400	Operation	ST0000000	C001087	2924424	ST5001040, Actinium-225 Te	0	Default WFO	Default Loc		\$46,351.44	\$0.00	\$0.00	\$0.00	\$46,351.44
2300	089-X-4180	2017	25400	Operation	ST0000000	C001087	2924424	ST5001040, Actinium-225 Te	0	Default WFO	Default Loc		\$100,000.00	\$200,000.00	\$0.00	\$200,000.00	\$300,000.00
2300	089-X-4180	2018	25400	Operation	ST0000000	C001087	2924424	ST5001040, Actinium-225 Te	0	Default WFO	Default Loc		\$0.00	\$310,000.00	\$111,000.00	\$421,000.00	\$421,000.00
5300	089-X-0315	2016	25400	Operation	TE1300000	C002800	3123804	TE1302000, Cyber for Energy	0	Default WFO	Default Loc		\$200.26	\$0.00	\$0.00	\$0.00	\$200.26
5300	089-X-0315	2017	25400	Operation	TE1200000	C002799	3123809	TE1203000, Advance Distribu	0	Default WFO	Default Loc		\$6,380.00	\$0.00	\$0.00	\$0.00	\$6,380.00
5300	089-X-0315	2016	25400	Operation	TF0000000	C002802	3123796	TF0000000, Transmission Per	0	Default WFO	Default Loc		\$121.66	\$0.00	\$0.00	\$0.00	\$121.66
5300	089-X-0315	2016	25400	Operation	TE1100000	C002798	3123785	TE1103000, Advanced Model	0	Default WFO	Default Loc		\$4,349.10	\$0.00	\$0.00	\$0.00	\$4,349.10
5300	089-X-0315	2016	25400	Operation	TE1200000	C002799	3123810	TE1204000, Dynamic Control	0	Default WFO	Default Loc		\$205.91	\$0.00	\$0.00	\$0.00	\$205.91
5300	089-X-0315	2016	25400	Operation	TE1100000	C002798	3123789	TE1101000, Transmission Rel	0	Default WFO	Default Loc		\$136.88	\$0.00	\$0.00	\$0.00	\$136.88
5300	089-X-0315	2016	25400	Operation	TE1200000	C002799	3123792	TE1201000, Smart Grid	0	Default WFO	Default Loc		\$2,262.82	\$0.00	\$0.00	\$0.00	\$2,262.82
5300	089-X-0315	2018	25400	Operation	TE1200000	C002799	3123811	TE1205000, Resilient Electric	0	Default WFO	Default Loc		\$0.00	\$85,000.00	\$0.00	\$85,000.00	\$85,000.00
5300	089-X-0315	2017	25400	Operation	TE1100000	C002798	3123816	TE1104010, Monitoring and I	0	Default WFO	Default Loc		\$44,125.59	\$0.00	\$0.00	\$0.00	\$44,125.59
5300	089-X-0315	2015	25400	Operation	TE1100000	C002798	3123789	TE1101000, Transmission Rel	0	Default WFO	Default Loc		\$0.00	\$0.00	\$55,262.00	\$55,262.00	\$55,262.00
5300	089-X-0315	2018	25400	Operation	TE1100000	C002798	3123789	TE1101000, Transmission Rel	0	Default WFO	Default Loc		\$0.00	\$0.00	\$18,700.84	\$18,700.84	\$18,700.84
5300	089-X-0315	2016	25400	Operation	TE1300000	C002800	3123815	TE1305000, Virtual Energy Se	0	Default WFO	Default Loc		\$2,255.84	\$0.00	\$0.00	\$0.00	\$2,255.84
5300	089-X-0315	2017	25400	Operation	TE1300000	C002800	3123803	TE1301000, Cyber for Energy	0	Default WFO	Default Loc		\$28,066.30	\$0.00	\$0.00	\$0.00	\$28,066.30
5300	089-X-0315	2016	25400	Operation	TE1100000	C002798	3123802	TE1104000, Energy Systems I	0	Default WFO	Default Loc		\$200,456.62	\$0.00	\$0.00	\$0.00	\$200,456.62
5300	089-X-0315	2013	25400	Operation	TE1100000	C002798	3123789	TE1101000, Transmission Rel	0	Default WFO	Default Loc		\$0.00	\$0.00	\$1,037.16	\$1,037.16	\$1,037.16
5300	089-X-0315	2017	25400	Operation	TE1200000	C002799	3123811	TE1205000, Resilient Electric	0	Default WFO	Default Loc		\$66,862.68	\$0.00	\$0.00	\$0.00	\$66,862.68
5300	089-X-0315	2016	25400	Operation	TE1200000	C002799	3123812	TE1206000, Advanced Secure	0	Default WFO	Default Loc		\$22.70	\$0.00	\$0.00	\$0.00	\$22.70

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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
5300	089-X-031	2017	25400	Operation	TE1100000	C002798	3123785	TE1103000, Advanced Model	0	Default WFO	Default Loc		\$517,786.00	\$0.00	\$0.00	\$0.00	\$517,786.00
5300	089-X-031	2017	25400	Operation	TE1400000	C002801	3123795	TE1400000, Energy Storage	0	Default WFO	Default Loc		\$260.97	\$0.00	\$0.00	\$0.00	\$260.97
5300	089-X-031	2018	25400	Operation	TE1100000	C002798	3123785	TE1103000, Advanced Model	0	Default WFO	Default Loc		\$0.00	\$116,666.00	\$0.00	\$116,666.00	\$116,666.00
5350	089-X-031	2017	25400	Operation	AF5800000	C000822	2720625	AF5855000, Fuel Resources R	0	Default WFO	Default Loc		\$1,298.93	\$0.00	\$0.00	\$0.00	\$1,298.93
5350	089-X-031	2018	25400	Operation	AF5800000	C000822	2720874	AF5832020, Systems Analysis	0	Default WFO	Default Loc		\$0.00	\$402,960.00	\$0.00	\$402,960.00	\$402,960.00
5350	089-X-031	2017	25400	Operation	AF5800000	C000822	2720874	AF5832020, Systems Analysis	0	Default WFO	Default Loc		\$253,116.01	\$0.00	\$0.00	\$0.00	\$253,116.01
5350	089-X-031	2013	25400	Operation	NT0100000	C002769	2720775	NT0104000, Reactor Materia	0	Default WFO	Default Loc		\$15,703.42	\$0.00	\$0.00	\$0.00	\$15,703.42
5350	089-X-031	2017	25400	Operation	AF5800000	C000822	2720667	AF5810000, Advanced Fuels I	0	Default WFO	Default Loc		\$116,766.49	\$0.00	\$0.00	\$0.00	\$116,766.49
5350	089-X-031	2017	25400	Operation	RC0400000	C002775	2720918	RC0424000, ARC Internation	0	Default WFO	Default Loc		\$13,562.95	\$0.00	\$0.00	\$0.00	\$13,562.95
5350	089-X-031	2017	25400	Operation	AF5800000	C000822	2720875	AF5832030, Program Assessr	0	Default WFO	Default Loc		\$236,776.05	\$0.00	\$0.00	\$0.00	\$236,776.05
5350	089-X-031	2016	25400	Operation	AF0400000	C002768	2720880	AF0440000, Program Suppor	0	Default WFO	Default Loc		\$2,801.06	\$0.00	\$0.00	\$0.00	\$2,801.06
5350	089-X-031	2018	25400	Operation	RC0500000	C003095	2720978	RC0504000, Program Assessr	0	Default WFO	Default Loc		\$0.00	\$68,187.00	\$17,850.00	\$86,037.00	\$86,037.00
5350	089-X-031	2018	25400	Operation	AF5800000	C000822	2720875	AF5832030, Program Assessr	0	Default WFO	Default Loc		\$0.00	\$40,296.00	\$0.00	\$40,296.00	\$40,296.00
5350	089-X-031	2018	25400	Operation	AF5800000	C000822	2720667	AF5810000, Advanced Fuels I	0	Default WFO	Default Loc		\$0.00	\$700,800.00	\$99,200.00	\$800,000.00	\$800,000.00
5350	089-X-031	2017	25400	Operation	AF5800000	C000822	2720965	AF5861010, Spent Fuel and V	0	Default WFO	Default Loc		\$88,979.28	\$0.00	\$0.00	\$0.00	\$88,979.28
5450	089-X-032	2016	25400	Operation	VT0000000	C001096	1005556	VT1301000, Vehicle and Syst	0	Default WFO	Default Loc		\$5,774.29	\$0.00	\$0.00	\$0.00	\$5,774.29
5450	089-X-032	2017	25400	Operation	VT0000000	C001096	1005554	VT1201000, Batteries & Elect	0	Default WFO	Default Loc		\$1,774,995.30	\$0.00	\$0.00	\$0.00	\$1,774,995.30
5450	089-X-032	2017	25400	Operation	VT0000000	C001096	1005556	VT1301000, Vehicle and Syst	0	Default WFO	Default Loc		\$7,401.00	\$0.00	\$0.00	\$0.00	\$7,401.00
5450	089-X-032	2015	25400	Operation	SL0000000	C002911	1005616	SL0300000, Systems Integrat	0	Default WFO	Default Loc		\$801.50	\$0.00	\$0.00	\$0.00	\$801.50
5450	089-X-032	2017	25400	Operation	HT0000000	C002796	1009190	HT0100000, Fuel Cell System	0	Default WFO	Default Loc		\$741,092.08	\$0.00	\$0.00	\$0.00	\$741,092.08
5450	089-X-032	2016	25400	Operation	PG0000000	C002840	1005604	PG0400000, Innovation & De	0	Default WFO	Default Loc		\$62,004.64	\$0.00	\$0.00	\$0.00	\$62,004.64
5450	089-X-032	2018	25400	Operation	VT0000000	C001096	1005554	VT1201000, Batteries & Elect	0	Default WFO	Default Loc		\$0.00	\$2,200,000.00	\$0.00	\$2,200,000.00	\$2,200,000.00
5450	089-X-032	2014	25400	Operation	BM0100000	C000846	1009218	BM0107000, Biopower	0	Default WFO	Default Loc		\$1,252.09	\$0.00	\$0.00	\$0.00	\$1,252.09
5450	089-X-032	2016	25400	Operation	SL0000000	C002911	1005616	SL0300000, Systems Integrat	0	Default WFO	Default Loc		\$7,158.23	\$0.00	\$0.00	\$0.00	\$7,158.23
5450	089-X-032	2017	25400	Operation	SL0000000	C002911	1005616	SL0300000, Systems Integrat	0	Default WFO	Default Loc		\$500,000.00	\$1,627,158.00	-\$500,000.00	\$1,127,158.00	\$1,627,158.00
5450	089-X-032	2018	25400	Operation	GT0000000	C002910	1005613	GT0300000, Hydrothermal	0	Default WFO	Default Loc		\$0.00	\$425,000.00	\$0.00	\$425,000.00	\$425,000.00
5450	089-X-032	2017	25400	Operation	HT0000000	C002796	2223156	HT1100000, Technology Acc	0	Default WFO	Default Loc		\$25,779.00	\$0.00	\$0.00	\$0.00	\$25,779.00
5450	089-X-032	2016	25400	Operation	HT0000000	C002796	1009198	HT0800000, Technology Vali	0	Default WFO	Default Loc		\$714.20	\$0.00	\$0.00	\$0.00	\$714.20
5450	089-X-032	2016	25400	Operation	ED0000000	C000949	1009209	ED2701000, Next Generation	0	Default WFO	Default Loc		\$491,168.00	\$0.00	\$0.00	\$0.00	\$491,168.00
5450	089-X-032	2017	25400	Operation	GT0000000	C002910	1005613	GT0300000, Hydrothermal	0	Default WFO	Default Loc		\$212,958.02	\$0.00	\$0.00	\$0.00	\$212,958.02
5450	089-X-032	2015	25400	Operation	ED0000000	C000949	1009209	ED2701000, Next Generation	0	Default WFO	Default Loc		\$172,184.72	\$0.00	\$0.00	\$0.00	\$172,184.72
5450	089-X-032	2014	25400	Operation	GT0000000	C002910	1005612	GT0100000, Enhanced Geoth	0	Default WFO	Default Loc		\$6,283.33	\$0.00	\$0.00	\$0.00	\$6,283.33
5450	089-X-032	2013	25400	Operation	EL1700000	C000955	1005091	EL1708000, DOE Specific Inve	0	Default WFO	Default Loc		\$401.75	-\$401.75	\$0.00	-\$401.75	\$0.00
5450	089-X-032	2018	25400	Operation	HT0000000	C002796	1009190	HT0100000, Fuel Cell System	0	Default WFO	Default Loc		\$0.00	\$300,000.00	\$0.00	\$300,000.00	\$300,000.00
5450	089-X-032	2016	25400	Operation	HT0000000	C002796	1009190	HT0100000, Fuel Cell System	0	Default WF 302017	TCF Fundin		\$294.34	\$0.00	\$0.00	\$0.00	\$294.34
5498	089-X-032	2017	25400	Operation	456100000	C003005	6600146	456160031, Industry - Dome	4860966	CHAGR873	0	Default Loc	\$185,354.16	\$0.00	\$0.00	\$0.00	\$185,354.16
6600	089X0337	2014	25400	Operation	CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WF 1249	CHARPA-0		\$403,257.96	\$0.00	\$0.00	\$0.00	\$403,257.96
6600	089X0337	2014	25400	Operation	CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WF 1250	CHARPA-0		\$88,682.91	\$0.00	\$0.00	\$0.00	\$88,682.91
6600	089X0337	2016	25400	Operation	CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WF 1314	ARPA-E Lat		\$538,788.65	\$0.00	\$0.00	\$0.00	\$538,788.65
6600	089X0337	2014	25400	Operation	CJ0100000	C002599	3166012	CJ0100000, ARPA-E Projects	0	Default WFO	Default Loc		\$2,547.40	\$0.00	\$0.00	\$0.00	\$2,547.40

BROOKHAVEN NATIONAL LABORATORY
 CONTRACT MOD # 0118 [Financial]
 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
Non-Appropriated Total													\$14,363,239.26	\$21,689,554.44	\$2,766,273.16	\$24,455,827.60	\$38,819,066.86
DOE Appropriated Total													\$168,119,361.16	\$274,305,855.13	\$47,107,243.16	\$321,413,098.29	\$489,532,459.45

SF-30 Total	\$182,482,600.42	\$295,995,409.57	\$49,873,516.32	\$345,868,925.89	\$528,351,526.31
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FPDS-NG Total [Action Obligation]	\$47,107,243.16
FPDS-NG Total [Base And Exercised Options Value]	\$49,873,516.32
FPDS-NG Total [Base And All Options Value]	\$49,873,516.32

Agency Sub-Report

Agency	Obligation Change Amount
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Work for Others Funds Associated with Federal Agencies:	425,684.37
Total DOE Funds:	47,107,243.16
Total Non-Appropriated Funds:	2,766,273.16
Grand Total:	----- 50,299,200.69