

DEPARTMENT OF ENERGY
Laboratory Table
Lawrence Livermore National Laboratory FY 2025
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Lawrence Livermore National Laboratory			
W80-4 LEP	173,050	173,050	125,901
W87-1 Modification Program	151,000	151,000	245,495
W93 Program	2,957	2,957	2,000
Stockpile Major Modernization	327,007	327,007	373,396
MB0600000, Stockpile Sustainment	96,772	96,772	107,192
Stockpile Sustainment	96,772	96,772	107,192
Weapons Dismantlement and Disposition	2,000	2,000	2,800
Production Operations	5,748	5,748	11,000
Nuclear Enterprise Assurance	5,634	5,634	10,000
Stockpile Management	437,161	437,161	504,388
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	56,260	56,260	82,851
Plutonium Modernization	56,260	56,260	82,851
High Explosives & Energetics	16,500	16,500	14,500
HE & Energetics	16,500	16,500	14,500
Primary Capability Modernization	72,760	72,760	97,351
Secondary Capability Modernization (SCM)	16,200	16,200	16,065
Secondary Capability Modernization	16,200	16,200	16,065
Tritium & Domestic Uranium Enrichment	0	100	0
Tritium and Domestic Uranium Enrichment	0	100	0
Non-Nuclear Capability Modernization	547	547	660
Total, Non-Nuclear Capability Modernization	547	547	660
Capability Based Investments	35,044	35,044	30,000
Production Modernization	124,551	124,651	144,076
Primary Assessment Technologies	52,411	50,113	60,643
Dynamic Materials Properties	44,764	45,348	43,677
Advanced Diagnostics	9,540	9,876	9,540
Secondary Assessment Technologies	33,811	33,073	24,500
Enhanced Capabilities for Subcritical Experiments	107,542	117,219	92,700
Hydrodynamic and Subcritical Experiment Execution Support	27,598	26,161	32,000
Assessment Science	275,666	281,790	263,060
Archiving and Support	13,215	11,398	10,450
Delivery Environments	27,407	25,872	26,932
Studies and Assessments	1,750	1,564	16,000
Aging and Lifetimes	17,300	19,794	12,915
Stockpile Responsiveness	16,036	15,822	17,402
Advanced Certification and Qualification	17,375	16,655	16,690
Engineering and Integrated Assessments	93,083	91,105	100,389
DP2000000, Inertial Confinement Fusion	380,000	384,050	419,765
Inertial Confinement Fusion	380,000	384,050	419,765
Weapon Technology Development	34,777	37,993	65,243
Weapons Technology and Manufacturing Maturation	34,777	37,993	65,243
Advanced Simulation and Computing	196,066	210,162	221,563
Advanced Simulation & Computing	196,066	210,162	221,563
Stockpile Research, Technology, and Engineering	979,592	1,005,100	1,070,020
Operations of Facilities	82,000	80,000	100,000
Safety and Environmental Operations	37,444	37,444	35,170
Maintenance and Repair of Facilities	37,000	35,000	44,000
Recapitalization (formerly Infrastructure and Safety)	81,175	49,275	59,245

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Operating	237,619	201,719	238,415
22-D-514 Digital Infrastructure Capability Expansion, LLNL	67,300	67,300	0
Mission Enabling Construction	67,300	67,300	0
I&O - Construction	67,300	67,300	0
Infrastructure and Operations	304,919	269,019	238,415
Operations and Maintenance - DNS	79,436	79,436	85,179
Defense Nuclear Security (DNS)	79,436	79,436	85,179
Information Technology and Cyber Security	47,196	71,310	84,589
Subtotal, Weapons Activities	1,972,855	1,986,677	2,126,667
Reactor Conversion and Uranium Supply	0	0	200
Nuclear Material Removal and Elimination	6	6	0
Plutonium Disposition	100	100	104
Material Management and Minimization	106	106	304
International Nuclear Security	2,832	8,704	8,704
Radiological Security	8,706	7,998	7,998
Nuclear Smuggling Detection and Deterrence	5,139	2,041	2,163
Global Material Security	16,677	18,743	18,865
Nonproliferation & Arms Control	38,357	38,500	36,906
Proliferation Detection R&D	38,828	39,524	43,250
Nuclear Detonation Detection	21,787	30,957	35,820
Forensics R&D	10,069	10,030	8,527
Nonproliferation Stewardship Program	15,925	22,455	22,433
Defense Nuclear Nonproliferation R&D	86,609	102,966	110,030
NNSA Bioassurance Program	6,500	6,500	0
Counterterrorism and Counterproliferation	102,086	109,110	98,597
Nuclear Counterterrorism & Incident Response	102,086	109,110	98,597
Subtotal, Defense Nuclear Nonproliferation	250,335	275,925	264,702
Program Direction - National Nuclear Security Administration	1,100	1,100	1,100
Subtotal, Federal Salaries and Expenses	1,100	1,100	1,100
Research - Advanced Scientific Computing Research	6,722	3,047	3,047
Advanced Scientific Computing Research	6,722	3,047	3,047
Research - Basic Energy Sciences	1,252	712	712
Basic Energy Sciences	1,252	712	712
Research - Biological & Environmental Research	32,467	28,293	27,739
Biological and Environmental Research	32,467	28,293	27,739
Research - Fusion Energy Sciences	8,643	9,377	13,900
Fusion Energy Sciences	8,643	9,377	13,900
Research - High Energy Physics	2,425	2,146	1,382
High Energy Physics	2,425	2,146	1,382
Operations and Maintenance - Nuclear Physics	2,062	2,062	1,946
Nuclear Physics	2,062	2,062	1,946
Research - Accelerator R&D and Production	93	0	645
Accelerator R&D and Production	93	0	645
Subtotal, Science	53,664	45,637	49,371
Vehicle Technologies	2,600	2,600	2,867
Bioenergy Technologies	725	725	725
Hydrogen and Fuel Cells Technologies	2,000	2,000	1,300
Sustainable Transportation and Fuels	5,325	5,325	4,892
Solar Energy Technologies	1,000	1,000	1,000
Wind Energy Technologies	1,619	1,619	1,763

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Geothermal Technologies	30	30	30
Renewable Energy	2,649	2,649	2,793
Industrial Efficiency & Decarbonization Office	5,000	5,000	5,000
Advanced Materials & Manufacturing Technologies Office	0	0	5,000
Building Technologies	0	0	150
Buildings & Industry (formerly Energy Efficiency)	5,000	5,000	10,150
Subtotal, Energy Efficiency and Renewable Energy	12,974	12,974	17,835
Transmission Reliability and Resilience	2,204	0	2,490
Energy Delivery Grid Operations Technology	7,771	0	7,770
Resilient Distribution Systems	668	0	850
Cyber Resilient & Secure Utility Communications Network (SecureNet)	0	0	500
Grid Controls and Communications	10,643	0	11,610
Energy Storage R&D	762	0	800
Energy Storage	762	0	800
Grid Hardware, Components, and Systems	762	0	800
Grid Technical Assistance	200	200	0
Subtotal, Grid Deployment Office (OE)	200	200	0
Subtotal, Electricity	11,605	200	12,410
Transmission Planning & Permitting (GDO)	0	0	112
Subtotal, Grid Deployment Office	0	0	112
Risk Management Technology and Tools (270)	3,200	3,200	2,726
Response and Restoration (270)	4,500	4,500	6,457
Policy, Preparedness, and Risk Analysis (270)	4,415	4,415	4,685
Subtotal, Cybersecurity, Energy Security, and Emergency Response	12,115	12,115	13,868
Carbon Transport and Storage	1,021	1,021	903
Carbon Dioxide Removal	6,993	6,993	9,011
Carbon Capture	3,649	3,649	0
Point-Source Carbon Capture	0	0	2,601
Carbon Management Technologies	11,663	11,663	12,515
Methane Mitigation Technologies	1,030	1,030	1,301
Natural Gas Decarbonization and Hydrogen Technologies	234	234	219
Resource Sustainability	1,264	1,264	1,520
Subtotal, Fossil Energy and Carbon Management	12,927	12,927	14,035
Used Nuclear Fuel Disposition R&D	328	359	328
Fuel Cycle Research & Development	328	359	328
Subtotal, Nuclear Energy	328	359	328
Environment, Health, Safety & Security	3,050	3,050	3,050
Environment, Health, Safety, and Security	3,050	3,050	3,050
Subtotal, Other Defense Activities	3,050	3,050	3,050
Lawrence Livermore National Laboratory (LLNL)	1,842	1,842	1,917
LLNL Excess Facilities D&D	35,000	35,000	0
NNSA Sites and Nevada Off-Sites	36,842	36,842	1,917
Subtotal, Defense Environmental Cleanup	36,842	36,842	1,917
Total Lawrence Livermore National Laboratory	2,367,795	2,387,806	2,505,395