

Other Defense Activities
Proposed Appropriation Language

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other expenses, necessary for atomic energy defense, other defense activities, and classified activities, in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion \$978,351,000, to remain available until expended: Provided, That of such amount, \$331,781,000 shall be available until September 30, 2024, for program direction.

Note.--A full-year 2022 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2022 (Division A of Public Law 117-43, as amended). The amounts included for 2022 reflect the annualized level provided by the continuing resolution.

Explanation of Changes

Request includes funding to strengthen foundational activities of the Environmental Justice (EJ) Program within the Office of Legacy Management, enabling the EJ program to reach a larger number of affected communities.

**Other Defense Activities
(\$K)**

FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request
920,000	920,000	978,351

Overview

The Other Defense Activities appropriation funds elements that relate to and support the defense-oriented activities within the Department. These include Environment, Health, Safety and Security (EHSS), Enterprise Assessments (EA), Specialized Security Activities (SSA), Legacy Management (LM), Hearings and Appeals (OHA), and Defense Related Administrative Support (DRAS). Funding from DRAS is used to offset administrative expenses for work supporting defense-oriented activities.

Highlights and Major Changes in the FY 2023 Budget Request

- Within EA, the budget provides increased funding for Safety and Security Training and needed operating levels at the National Training Center (NTC).
- SSA assures coverage of national security related activities.
- LM’s FY 2023 request is \$33,087,000 above the FY 2021 enacted level. In addition to supporting the enhancement of core LTS activities mentioned above, \$13,075,000 will allow LM to increase its foundational Environmental Justice program activities, enabling the program to reach a larger number of affected communities. Funding ensures equity and climate resilience are assessed and implemented for all LM’s activities.

**Other Defense Activities
Funding by Congressional Control
(\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted
Environment, Health, Safety and Security	206,320	206,320	215,539	+9,219
Office of Enterprise Assessments	79,070	79,070	85,427	+6,357
Specialized Security Activities	283,500	283,500	306,067	+22,567
Legacy Management	163,059	163,059	196,146	+33,087
Defense-Related Administrative Support	183,789	183,789	170,695	-13,094
Office of Hearings and Appeals	4,262	4,262	4,477	+215
Total, Other Defense Activities	920,000	920,000	978,351	+58,351

Outyear Priorities and Assumptions

In the FY 2012 Consolidated Appropriations Act (P.L. 112-74), Congress directed the Department to include a future-years energy program (FYEP) in subsequent requests that reflects the proposed appropriations for five years. This FYEP shows outyear funding for each account for FY 2024 - FY 2027. The outyear funding levels use the growth rates from and match the outyear account totals published in the FY 2023 President’s Budget for both the 050 and non-050 accounts. Actual future budget request levels will be determined as part of the annual budget process.

**Future Years Energy Program (FYEP)
(\$K)**

	FY 2023 Request	FY 2024	FY 2025	FY 2026	FY 2027
Total, Other Defense Activities	978,351	1,000,000	1,024,000	1,047,000	1,071,000

Environment, Health, Safety and Security

Overview

The Office of Environment, Health, Safety and Security (EHSS) provides corporate leadership and strategic approaches in enabling the Department of Energy (DOE) mission and furthering the protection afforded DOE workers, the public, the environment, and national security assets. This is accomplished through the maintenance of corporate-level policies and standards and providing implementation guidance; sharing operating experience, lessons learned, and best practices; and providing assistance and supporting services to line management with the goal of mission success as DOE’s environment, health, safety and security advocate.

**Environment, Health, Safety and Security
Funding (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
Environment, Health, Safety and Security					
Environment, Health and Safety					
Worker Safety	4,603	4,603	4,656	+53	+1.2%
Nuclear Safety	5,379	5,379	6,030	+651	+12.1%
Environment	2,407	2,407	2,407	+0	+0%
Health Programs					
Domestic Health Programs					
Health Research	2,970	2,970	2,570	-400	-13.5%
Former Worker Medical Screening	19,850	19,850	19,850	+0	+0%
Employee Compensation Program	5,135	5,135	4,691	-444	-8.6%
International Health Programs					
Russian Health Studies	2,750	2,750	2,750	+0	+0%
Japanese Health Studies	14,000	14,000	14,000	+0	+0%
Marshall Islands Program	6,300	6,300	6,300	+0	+0%
Total, Environment, Health and Safety	63,394	63,394	63,254	-140	-0.2%

**Other Defense Activities/Environment
Health, Safety and Security**

FY 2023 Congressional Budget Justification

Security					
Insider Threat Program	3,000	3,000	1,000	-2,000	-66.7%
Security Operational Support	5,940	5,940	7,591	+1,651	+27.8%
Classification, Declassification and Controlled Information	13,679	13,679	13,679	+0	-0.0%
Security Investigations	4,533	4,553	4,000	-533	-11.8%
Headquarters Security Operations	43,774	43,774	49,330	+5,556	+12.7%
Total, Security	70,926	70,926	75,600	+4,674	+6.6%
Total, Environment, Health, Safety and Security	134,320	134,320	138,854	+4,534	+3.4%
Program Direction	72,000	72,000	76,685	+4,685	+6.5%
Total, Environment, Health, Safety and Security	206,320	206,320	215,539	+9,219	+4.5%

**Explanation of Changes
Funding (\$K)**

FY 2023 Request vs FY 2021 Enacted

Environment, Health, Safety and Security:

Worker Safety: No significant change.	+53
Nuclear Safety: No significant change.	+651
Health Programs: No significant change.	-844
Insider Threat: Funding decrease reflects completion of Insider Threat studies and moving support for the Security, Suitability, Credentialing Line of Business from Insider Threat to Security Operational Support.	-2,000
Security Operational Support: Funding increase primarily reflects moving support for the Security, Suitability, Credentialing Line of Business from Insider Threat to Security Operational Support.	+1,651
Security Investigations: No significant change.	-533
Headquarters Security Operations: Funding increase primarily reflects the fixed price of the recently completed competitively awarded Protective Force Contract.	+5,556
Program Direction: Funding increase reflects 4.6% pay raise, an increase in Travel, Information Technology costs and additional Working Capital Fund (WCF) expenses.	+4,685

Environment, Health and Safety

Description

The Environment, Health and Safety subprogram provides technical and analytical expertise to protect and enhance the safety of DOE workers, the public, and the environment. This subprogram maintains policies and guidance for the establishment of safe, environmentally sound work practices to achieve best-in-class performance in occupational, facility, nuclear, and radiation safety; protection of the environment and cultural and natural resources; and quality assurance. Environment, Health and Safety provides assistance to DOE offices and laboratories through site-specific activities, such as nuclear facility safety basis reviews, and corporate-wide services, such as accrediting commercial laboratories used by DOE sites for regulatory compliance and employee monitoring programs; administering the accident investigation and analytical services programs; supporting the Radiation Emergency Assistance Center/Training Site; and testing of high efficient particulate air filters. Corporate databases, such as those pertaining to accidents and illnesses, occurrence reporting, radiation monitoring and dose assessment, safety basis information, and hazardous substances inventories are maintained and used to support analyses of health and safety performance for senior management.

The Environment, Health and Safety subprogram provides technical support for the implementation of Department-wide safety and environmental programs, such as the DOE Federal Occupational Safety and Health program; the Voluntary Protection Program, which encourages and rewards safety performance that exceeds industry averages through universally recognized certifications; environmental management systems, which support sustainable practices that promote pollution prevention, greenhouse gas reduction, effective resource utilization, radiological clearance; and control programs for the safe reuse and recycle of DOE equipment and materials and for the radiological release of lands and buildings. These DOE-wide safety and environmental programs are integrated with mission activities to optimize protection and effective implementation.

The Environment, Health and Safety subprogram also provides support to the Department of Labor for the implementation of the Energy Employees Occupational Illness Compensation Program Act, and supports the former worker medical screening program, and radiation health studies in Japan and Russia. These projects and programs provide for the evaluation and documentation of health effects and outcomes that support the basis for national and international worker protection policies and standards, which, in turn, provide updated levels of protection appropriate for the risk posed to DOE workers and the public.

In FY 2023, Environment, Health and Safety will continue:

- Developing cost-effective solutions for achieving best-in-class safety performance founded on integrated safety management and enhanced through such concepts as safety culture, voluntary protection, and environmental management systems.
- Honoring the national and Departmental commitment to current and former workers through cost-effective implementation of the former worker medical screening program and support to the Department of Labor for the implementation of the Energy Employees Occupational Illness Compensation Program Act.

Worker Safety

Worker safety and health policies establish Department-wide safe work practices to achieve best-in-class safety performance, as compared to industrial operations, resulting in work conducted with a full understanding of health and safety related risks and controls necessary to mitigate those risks leading to minimization or avoidance of worker compensation liabilities. Funding provides for the maintenance of existing standards and the development of new requirements based on new or evolving working conditions and new developments in health science; technical assistance to DOE programs, laboratories, and sites in implementing health and safety requirements and programs; promotion of improvements in overall safety culture; and implementation of corporate health- and safety-related programs and information technology systems. Funding also provides for collecting, analyzing, and trending operational data to identify strengths and weaknesses of safety programs in support of continuous improvement in safety performance and cost-effective implementation. Funding provides for the Employee Concerns Program that manages

and provides a DOE enterprise approach to ensure that employee concerns related to environment, health, safety and security and the management of DOE and NNSA programs and facilities are addressed.

Nuclear Safety

Nuclear Safety program activities include establishing and maintaining nuclear safety policies and requirements to ensure adequate protection of workers, the public, and the environment from hazards associated with the design and operation of DOE nuclear facilities. This includes the establishment of general facility safety requirements in fire protection, response to natural phenomena, maintenance, and quality assurance to ensure that products and services meet or exceed the Department's objectives. This program provides assistance to field elements in implementing requirements and resolving issues; and provides oversight of DOE nuclear operations and facilities. Nuclear Safety maintains a DOE-wide nuclear safety research and development program to provide corporate-level leadership supporting the coordination and integration of nuclear safety science and technology, share nuclear safety research and development information across the Department, and coordinate the conduct of nuclear safety research and development activities.

Environment

Environmental activities support DOE's efficient use of resources and energy and its compliance with environmental requirements. Funding provides technical support for the development of policies, requirements, and guidance related to responsible management of natural and cultural resources on and around DOE sites, and performance tracking across the DOE complex and in support of Department-wide conservation efforts. Environmental activities also fund coordination, planning and technical analyses supporting EHSS's role representing DOE to external agencies and stakeholders to develop cost effective and efficient means of meeting environmental and public protection objectives and avoiding future liabilities. One such area of concern involves identifying and characterizing the extent of Per- and Polyfluoroalkyl Substances (PFAS) use and inventories across the enterprise. Environmental activities also support the development of guidance and tools for implementation of practical and broadly accepted consensus standards. Funding supports programs that provide assurance that environmental monitoring and sampling data meet DOE data quality objectives and ensures computer codes that are used to demonstrate compliance with DOE public and environmental protection requirements are appropriate and employ the best science. Funding also supports the development and maintenance of plans, models, and guidance to respond to radiological and nuclear-related emergencies and support for interagency and national consensus standard development with a goal to harmonize Federal radiation protection policies and guidance for protection of the public and environment.

Domestic Health Programs

Health Research

Domestic health research activities provide for the conduct of health studies on DOE workers and communities surrounding DOE sites, technical assistance to DOE programs in addressing specific health issues, support to national assets used to respond to radiological events throughout the country, and expertise to support national and international efforts in response to disease outbreaks. These activities also support the maintenance of the electronic comprehensive epidemiologic data resource; the Beryllium Associated Worker Registry; the U.S. Transuranium and Uranium Registry; and the illness and injury surveillance database and access to the data these systems contain.

Former Worker Medical Screening

Former worker medical screening activities provide for the conduct of medical screenings for former DOE and DOE-related beryllium vendor employees to identify adverse health conditions that may have resulted from work conducted at DOE facilities. In addition, EHSS also screens DOE-related beryllium vendor facilities on behalf of DOE, as mandated by the FY 1993 Defense Authorization Act (Public Law 102-484). Workers who are found to have illnesses related to work on behalf of DOE are referred to the Department of Labor for potential compensation through the Energy Employees Occupational Illness Compensation Program Act.

Employee Compensation Program

DOE Energy Employees Occupational Illness Compensation Program Act (EEOICPA) activities support the implementation of Parts B and E of the Act by the Department of Labor to provide compensation to DOE and DOE-related vendor employees who have become ill as a result of work for DOE. Part B provides for compensation to workers with beryllium disease, silicosis, or radiation-induced cancer, and Part E provides for compensation and medical benefits to DOE contractor and subcontractor employees whose illnesses were caused by exposure to any toxic substance, such as beryllium or other chemical hazards. DOE's support consists primarily of providing information regarding employment status, exposures to radiation and toxic substances, and operational history of DOE facilities to the Department of Labor, the National Institute for Occupational Safety and Health, and the President's Advisory Board on Radiation and Worker Health in support of claims filed by current and former DOE Federal and contractor employees.

International Health Programs:

Russian Health Studies

The Russian health studies program supports the collaborative radiation health effects research program between U.S. and Russian scientists to determine the risks associated with working at or living near Russian former nuclear weapons production sites. The research is performed under the Cooperation in Research on Radiation Effects for the Purpose of Minimizing the Consequences of Radioactive Contamination on Health and the Environment, an agreement between the United States and Russia that was signed in 1994 and renewed in 2000, 2007, and 2011, and automatically extended every five years unless terminated by either Party. The agreement is implemented through the Joint Coordinating Committee for Radiation Effects Research, representing agencies from the United States and the Russian Federation. The goals of the program are to better understand the relationship between health effects and chronic, low-to-medium radiation exposure; determine radiation-induced cancer risks from exposure to gamma, neutron, and alpha radiation; and to improve and validate U.S. and international radiation protection standards and practices.

Japanese Health Studies

The Japanese health studies activity supports the Radiation Effects Research Foundation (RERF), pursuant to an agreement between the United States and Japan. RERF conducts epidemiologic studies and medical surveillance of the survivors of the atomic bombings of Hiroshima and Nagasaki; and engages in innovative science to develop new research methods and approaches for assessing radiation health effects for use as a basis for the development of radiation standards.

Marshall Islands Program

The Marshall Islands program provides medical surveillance and treatment of Marshallese citizens who were affected by U.S. nuclear weapons testing in the Pacific. It also provides for environmental monitoring for safe resettlement of four atolls affected by the testing. The work was specified by the Compact of Free Association Acts of 1986 and 2003 between the United States and the Republic of the Marshall Islands and by the Insular Areas Act of 2011 that required enhanced monitoring of the Runit Island Nuclear Waste Containment Structure beginning in FY 2013.

Health and Safety

Activities and Explanation of Changes

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Environment, Health, Safety \$63,394,000	\$63,254,000	-\$140,000
Worker Safety \$4,603,000	\$4,656,000	+\$53,000
<ul style="list-style-type: none"> • Research, update, and maintain existing DOE regulations, directives and technical standards, and develop new safety and health requirements based on new or evolving working conditions, when warranted. • Provide technical assistance to DOE programs, laboratories, and sites in the implementation of health and safety requirements and programs, such as integrated safety management. • Provide support in development of technical qualification standards and description of required competencies and training for Federal staff involved in management of defense nuclear facilities. • Promote the implementation of the DOE voluntary protection program, which encourages and rewards safety performance that exceeds industry averages. • Provide technical support for the implementation of the DOE contractor employee assistance program that provides for the collection and analysis of causes of lost time and disabilities and the medical and psychological interventions available to reduce those losses. • Maintain the electronic Radiation Exposure Monitoring System, which serves as the Department’s central repository for radiation exposure information at DOE in support of 10 C.F.R. 835, Occupational Radiation Protection, Subpart I, requirements regarding annual monitoring of individual occupational radiation exposure records for DOE employees, contractors, and subcontractors, as well as members of the public who visit DOE sites. • Provide technical support for the implementation of the DOE Federal employee occupational safety and health program, as required by Presidential Executive Order 12196, Occupational Safety and Health Programs for Federal Employees; Section 19 of Public Law 91-596, the Occupational Safety and Health Act of 	<ul style="list-style-type: none"> • Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> • No significant change.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>1970; and 29 C.F.R. 1960, Basic Program Elements for Federal Employee Occupational Safety and Health Programs and Related Matters.</p> <ul style="list-style-type: none"> • Conduct and communicate analysis and trending of safety performance information to identify excellent performance and areas needing improvement in order to reduce or prevent adverse events and injuries and minimize mission interruptions. • Provide information to DOE operating entities regarding operating experience, lessons learned, and suspect, defective, and counterfeit items. • Provide overall program administration and assistance, including training, to DOE program offices in support of implementing the Department’s accident investigation program, which provides for independent Federal investigations of high-consequence incidents involving worker fatalities or serious injuries, acute exposures to radiation or chemicals, environmental releases, or significant loss of capital assets. Upon request, or as directed by DOE leadership, assist DOE program offices in conducting specific accident investigations. • Maintain the differing professional opinion program and process, including a web page and online submittal form that DOE and contractor employees can use to identify and document differing professional opinions concerning technical issues. • Maintain corporate health- and safety-related information management technology systems, such as the Computerized Accident/Incident Reporting System, the Occurrence Reporting and Processing System, the Radiation Exposure Monitoring System, and the lessons learned system. • Support continuous improvement in meeting the Department’s safety culture and safety conscious work environment (SCWE) across the complex and to ensure consistent leadership and focus on all aspects of DOE’s safety culture initiatives. • Support the DOE enterprise-wide Employee Concerns Program that provides management and administration of the program to ensure that employee concerns related to environment, health, 		

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>safety, and security and the management of DOE and NNSA programs and facilities are addressed utilizing well-established processes that include prompt identification, reporting, and resolution of employee concerns regarding DOE facilities or operations in a manner that provides the highest degree of safe operations.</p>		
<p>Nuclear Safety \$5,379,000</p>	<p>\$6,030,000</p>	<p>+\$651,000</p>
<ul style="list-style-type: none"> • Assess, update, and maintain DOE regulations, directives, and technical standards and lead the development of nuclear safety and quality assurance requirements based on new or evolving facility hazards and/or operating conditions, when warranted (including fire protection, natural phenomena hazards, nuclear materials packaging, and maintenance). • Maintain a DOE-wide nuclear safety research and development program to provide corporate-level leadership supporting the coordination and integration of nuclear safety science and technology, share nuclear safety research and development information across the Department, and coordinate the conduct of nuclear safety research and development activities. • Provide technical assistance to DOE program and line organizations, national laboratories, and sites in implementing nuclear safety and quality assurance requirements and programs and resolving issues and recommendations identified by the Defense Nuclear Facilities Safety Board. • Provide technical assistance to national standards development organizations in developing and maintaining nuclear safety and quality assurance consensus standards. • Support DOE program offices in assessing conduct of operations, maintenance, and/or training evaluations for hazard category 1, 2, and 3 nuclear facilities prior to authorizing startup or restart of these facilities or their operations. • Facilitate continuous improvement to the DOE facility representative and safety system programs, supporting approximately 280 site office resident nuclear safety subject matter experts funded by and reporting to DOE line management. • Assist in coordinating information exchanges in various safety 	<ul style="list-style-type: none"> • Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> • No significant change.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>concepts relevant to DOE including nuclear safety; safety and organizational culture, high reliability performance and human performance improvement.</p> <ul style="list-style-type: none"> Implement safety software quality assurance activities that provide for the maintenance of the DOE safety software central registry of approved computer codes, including a user-oriented communication forum, and operation of the safety software expert working group for enabling effective and consistent use of high-quality safety software across DOE. Provide for the testing of 100 percent of all high efficiency particulate air filters used in safety class and safety significant systems, and other ventilation systems for confinement of radioactive materials prior to their use at DOE nuclear facilities. 		
Environment \$2,407,000	\$2,407,000	+\$0
<ul style="list-style-type: none"> Research, update, and maintain existing DOE regulations, directives, and technical standards, and develop new environmental protection, and public radiation protection requirements based on new or evolving science, protection strategies, national radiation protection guidance, and techniques based on new or evolving DOE activities and programs, when warranted. Provide technical assistance to DOE programs, laboratories, and sites in implementing public radiation protection requirements and programs. Provide technical support to DOE site and program offices and laboratories in evaluating and resolving regulatory compliance issues through the interpretation of regulatory requirements, development of cost-effective implementation strategies, and maintenance of web-based compliance tools. Coordinate and develop consolidated responses to proposed changes in environmental regulations that may impact Departmental operations to improve implementation and optimize the use of protective resources. Review data from environmental reports required by Federal and state environmental protection agencies to validate adherence to reporting requirements; evaluate the effectiveness of the 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> No change in work scope.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>Department’s toxic chemical release reduction and pollution prevention efforts; produce annual reports on DOE environmental performance; and develop annual radionuclide emissions summaries submitted to the EPA under an interagency agreement.</p> <ul style="list-style-type: none"> • Conduct proficiency and quality assurance audits and reviews of environmental analytical laboratories and commercial waste treatment, storage, and disposal vendors used by DOE operating entities in support of ongoing operations, remediation, and other cleanup projects, compliance programs, and long-term monitoring and surveillance activities to ensure consistency of services while minimizing the number of DOE audits of these commercial service providers. • Provide assistance to and oversight of DOE site property radiological clearance and control programs to ensure the public and environment are protected from radiological harm associated with the use or disposition of DOE property. • Continue development and maintenance of residual radioactivity models and codes that support evaluations and safe disposition of lands, structures, equipment, soil, and other material that may contain small amounts of residual radioactive material. • Support development of Federal radiation protection policies and guidelines and consistent, cost-effective implementation of radiation protection programs within DOE including the review, evaluation and implementation of the 2014 and 2015 updates to the recommendations of the International Commission on Radiological Protection and associated revisions to Federal guidance reports on radiation protection. • Provide assistance to support development and effective use of national consensus standards for radiation protection, radioactive waste and materials management, environmental protection, and operational resilience. • Maintain operational guidelines and other radiological criteria that support protective action decisions and Federal policy governing response to and recovery from radiological and nuclear terrorism incidents (radiological dispersal devices and improvised nuclear devices) and major nuclear accidents, and support NNSA 		

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>emergency response and preparedness activities associated with such incidents.</p> <ul style="list-style-type: none"> Provide technical assistance to DOE programs, laboratories, and sites in implementing natural and cultural resource protection requirements and programs. 		
Domestic Health Programs \$27,955,000	\$27,111,000	-\$844,000
<p>Health Research \$2,970,000</p> <ul style="list-style-type: none"> Provide for the operation and maintenance of the electronic comprehensive epidemiologic data resource, the illness and injury surveillance database, and the U.S. Transuranium and Uranium Registry. Support the Radiation Emergency Assistance Center/Training Site, which provides medical expertise to DOE occupational medicine clinics, supplies chelating pharmaceuticals to treat radiation-exposed workers, and trains physicians to respond to radiological accidents anywhere in the United States. Provide for maintenance of the beryllium registry, which collects, analyzes, summarizes, and disseminates health and exposure data to improve chronic beryllium disease prevention programs. Provide for the conduct of public health studies and other activities performed by the Department of Health and Human Services through the National Institute for Occupational Safety and Health, the National Center for Environmental Health, and the Agency for Toxic Substances and Disease Registry to provide third-party objectivity regarding the effect of DOE operations on communities surrounding DOE sites. Provide funding for the Million Person Radiation Workers and Veterans Study that will provide the most precise estimate possible of the lifetime risk of cancer resulting from low levels of chronic radiation exposure and be of significant value to workers and the public. Results also would appreciably improve the data used for compensation of workers with prior exposures to ionizing radiation. 	<ul style="list-style-type: none"> \$2,570,000. Continuation of all FY 2021 activities. 	<p>-\$400,000</p> <ul style="list-style-type: none"> No significant change.
<p>Former Worker Medical Screening \$19,850,000</p> <ul style="list-style-type: none"> Conduct site assessments to identify groups of at-risk former DOE Federal and contractor/ subcontractor workers and DOE site- 	<ul style="list-style-type: none"> \$19,850,000. Continuation of all FY 2021 activities. 	<p>+\$0</p> <ul style="list-style-type: none"> No change in work scope.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>specific exposures.</p> <ul style="list-style-type: none"> • Provide for outreach efforts to inform former workers of the availability and benefits of the program. • Provide for approximately 8,000 medical screenings annually to check for adverse health effects that could be related to occupational exposures to radiation, noise, beryllium, asbestos, silica, lead, cadmium, chromium, and solvents, conducted by independent health experts through seven cooperative agreements held by a consortia of universities, labor unions, and commercial organizations throughout the United States with expertise in administration of medical programs. • Refer workers who are found to have illnesses related to work on behalf of DOE to the Department of Labor for potential compensation through the Energy Employees Occupational Illness Compensation Program Act. • Support the DOE central institutional review board, jointly funded with Science and NNSA, which reviews all medical screening programs funded by DOE and/or involving the DOE workforce to ensure the risks to human participants are minimized and reasonable in relation to the anticipated benefits. 		
<p>Energy Employee Occupational Illness Compensation Program (EEOICPA) \$5,135,000</p> <ul style="list-style-type: none"> • Conduct searches for records related to the employment and hazardous exposures for workers who applied to the Department of Labor for benefits under EEOICPA, declassify relevant records, and provide copies of those records to the Department of Labor (DOL) and the National Institute for Occupational Safety and Health. • Provide for large-scale records research projects conducted by DOL, the National Institute for Occupational Safety and Health, and the President’s Advisory Board on Radiation and Worker Health. • Provide for the continued transition of hard copy, paper records to electronic records, as well as records indexing projects to improve the efficiency of responses to the DOL and the National Institute for Occupational Safety and Health. • Continue coordination and interface between former worker 	<ul style="list-style-type: none"> • \$4,691,000. Continuation of all FY 2021 activities. 	<p>- \$444,000</p> <ul style="list-style-type: none"> • No significant change.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>medical screening activities and EEOICPA activities, including identifying mechanisms for outreach to former workers and enhancing the exchange of medical, site, and exposure information among former worker medical screening service providers, the DOL, and the National Institute for Occupational Safety and Health to assist the agencies tasked with adjudicating claims.</p>		
International Health Program \$23,050,000	\$23,050,000	+\$0
<p>Russian Health Studies \$2,750,000</p> <ul style="list-style-type: none"> • Provide for the conduct of radiation exposure historical dose reconstruction studies, epidemiologic studies, and for a tissue repository of Russian nuclear workers and people living in communities surrounding the Russian nuclear facilities. • Assess radiation health effects of ionizing radiation. • Publish analyses of radiation health effects assessments. 	<ul style="list-style-type: none"> • \$2,750,000. Continuation of all FY 2021 activities. 	<p>+\$0</p> <ul style="list-style-type: none"> • No change in work scope.
<p>Japanese Health Studies \$14,000,000</p> <ul style="list-style-type: none"> • Conduct epidemiologic studies and medical surveillance of the survivors of the atomic bombings of Hiroshima and Nagasaki at the Radiation Effects Research Foundation. • Assess radiation health effects of ionizing radiation. • Publish analyses of radiation health effects assessments. 	<ul style="list-style-type: none"> • \$14,000,000. Continuation of all FY 2021 activities. 	<p>+\$0</p> <ul style="list-style-type: none"> • No change in work scope.
<p>Marshall Islands Program \$6,300,000</p> <ul style="list-style-type: none"> • Conduct whole-body counting and plutonium urinalyses to measure individual exposure to radionuclides. • Conduct comprehensive annual screening examinations. • Provide medical care for specified Marshallese. • Provide environmental monitoring services in support of resettlement activities. 	<ul style="list-style-type: none"> • \$6,300,000. Continuation of all FY 2021 activities. 	<p>+\$0</p> <ul style="list-style-type: none"> • No change in work scope.

Security

Description

The Security subprogram provides support to develop and assist in the implementation of safeguards and security programs that provide protection to national security and other vital national assets entrusted to DOE, and to implement the U.S. Government's nuclear weapons-related technology classification and declassification program. Policies and guidance related to physical, personnel, and information security and nuclear materials accountability are designed to promote responsiveness to national security needs and changing threat environments. Assistance is provided to DOE programs and site offices and laboratories via working groups, site-specific support, and corporate program support to implement cost-effective security measures tailored to Departmental mission accomplishment. Corporate security-related information management systems are maintained to identify and reduce the potential for undue risk to individual sites, the Department, and national security. This subprogram also provides for the continuous physical protection and security of DOE facilities and information in the National Capital Area and access authorization security background investigations for EHSS Headquarters Federal and contractor personnel. Additionally, DOE implements the information control program for the U.S. Government to mitigate national security threats by preventing the release of information regarding weapons of mass destruction. Support is also provided to review over 400 million pages of documents at the National Archives for potential release as required by Executive Order 13526.

In FY 2023, Security activities will include developing comprehensive, reasonable, and cost-effective security policies and operational guidelines to assure that the Nation's nuclear and energy assets and DOE's personnel and facilities are secure from insider and external threats.

Insider Threat Program

The DOE Insider Threat Program (ITP) is intended to: deter cleared employees from becoming insider threats; detect insiders who pose a risk to personnel, assets, facilities, or classified or sensitive information; and mitigate insider threat risks through administrative, investigative, or other response actions. The Secretary of Energy designated an EHSS Senior Executive as the Designated Senior Official for the ITP to provide guidance for and oversight of DOE's enterprise-wide ITP activities. On a continuing basis, this Designated Senior Official engages with senior security and intelligence officials across the Department and advises and reports directly to the Secretary and Deputy Secretary regarding the planning, construct, and operation of the Department's ITP.

Security Operational Support

Security operational support provides technical expertise to develop safeguards and security policy requirements and guidance; assistance to DOE operations, to include foreign ownership, control and influence analysis; security technology research, development, test and evaluations to effectively mitigate current and emerging threats; and maintenance and management of corporate-level safeguards and security-related programs and information technology systems. These activities support Departmental objectives by providing an appropriately tailored level of security requirements and cost-effective protection options for a wide range of scientific, research, and national security operations based on the significance of the national assets involved.

Security policies, requirements, and guidance are developed to be clear and easily implemented, with the goal of securing nuclear material and classified matter and protecting the highly specialized DOE workforce. Corporate Security/Complex Wide initiatives provide specialized assessments and analyses of enterprise-wide security activities and issues affecting DOE safeguards and security programs and the identification of approaches to address them. Human Reliability Program, under 10 C.F.R. 712, provides trending, analysis and training to ensure compliance and a consistent enterprise approach to implementation. Funding to implement EHSS's share of program responsibilities includes the DOE share for the inter-agency Security, Suitability and Credential Line of Business (SSCLOB) budget supporting Executive Branch-wide reforms to the security clearance, employment suitability, and credentialing processes.

Classification, Declassification, and Controlled Information

The classification, declassification, and controlled information activity ensures that the Department meets its statutory responsibility to implement the U.S. Government-wide program to classify and declassify nuclear weapons-related information (i.e., Restricted Data and Formerly Restricted Data) in order to prevent proliferation of nuclear weapons and

technology. This activity supports the implementation of Executive Order 13526, Classified National Security Information, to classify other information critical to national security (i.e., National Security Information), such as security-related information concerning U.S. nuclear sites and chemical/biological and radiological dispersal devices. Funding provides for declassification review of DOE records and the development of policies, requirements, and guidance and technical support for the protection of controlled unclassified information. Advanced Computer Tools to Identify Classified Information (ACTICI) is an artificial intelligence/machine learning initiative to develop advanced computer tools to identify classified information embedded in electronic documents and augment human classification reviews. The goals of the program are to develop and deploy advanced tools that can automatically identify the subject areas of a document, determine whether a document needs a classification review, determine if the document is classified, determine which parts of the document are sensitive, and determine which classification guides are applicable.

Security Investigations

Security investigation activities provide for background investigations conducted by the Defense Counterintelligence and Security Agency (DCSA) (formerly the National Background Investigations Bureau) of EHSS Headquarters federal and contractor personnel who require access to classified information or certain quantities of special nuclear material, as required by Section 145 of the Atomic Energy Act of 1954 (as amended) and Executive Order 12968, Access to Classified Information. The conduct of investigations and granting of access authorizations are based on 10 C.F.R. 710, Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material.

Headquarters Security Operations

Headquarters security operations provide a comprehensive safeguards and security program for the protection of DOE Headquarters facilities and assets in the Washington, DC, area. This is accomplished through the deployment of a protective force; security education programs; the management and operation of countermeasures, alarms, and access control equipment; and the implementation of security-related programs. Funding provides for a secure work environment and assures management, workers, and stakeholders that activities within Headquarters facilities are effectively protected.

Security

Activities and Explanation of Changes

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Security \$70,926,000	\$75,600,000	+\$4,674,000
Insider Threat Program \$3,000,000	\$1,000,000	-\$2,000,000
<ul style="list-style-type: none"> Develop and maintain a robust program to deter, detect, and centrally analyze and respond to insider threats facing the Department. Enhance existing information-sharing partnerships with law enforcement, intelligence, and community organizations. Assist field sites in the establishment of Local Insider Threat Working Groups. Assist Local Insider Threat Working Groups in the implementation of the Insider Threat Program. Develop measures of success and program review criteria. Develop and implement insider threat program training in fundamentals of counterintelligence, security, agency procedures for insider threat response, as well as applicable laws and regulations on gathering, integrating, retaining, safeguarding and use of collected insider threat data. Produce an annual report for the Secretary to provide to the President. Provide for the inter-agency Security, Suitability and Credentialing Line of Business operating budget. 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities except for the inter-agency Security, Suitability and Credentialing Line of Business operating budget which is being moved to Security Operational Support. 	<ul style="list-style-type: none"> Funding decrease reflects completion of Insider Threat studies and moving support for the Security, Suitability, Credentialing Line of Business from Insider Threat to Security Operational Support.
Security Operational Support \$5,940,000	\$7,591,000	+\$1,651,000
<ul style="list-style-type: none"> Research, update, and maintain existing DOE regulations, directives and technical standards, and develop new safeguards and security requirements based on new or evolving threats or working conditions, when warranted. Provide technical assistance to DOE programs, laboratories, and sites in implementing safeguards and security requirements and programs. Provide technical support, training, and awareness materials for the security-related aspects of the human reliability program, including deployment of the human reliability program database and standard certification management system to ensure that over 10,000 individuals with access authorizations/clearances who occupy positions requiring access to special nuclear materials, nuclear explosive devices, or related facilities and information meet the highest standards of reliability and physical and mental suitability; 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities with the addition of the inter-agency Security, Suitability and Credentialing Line of Business operating budget, which is being moved from Insider Threat. 	<ul style="list-style-type: none"> Funding increase primarily reflects moving support for the Security, Suitability, Credentialing Line of Business from Insider Threat to Security Operational Support.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
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- Provide support to the security awareness special interest group for DOE and contractor safeguards and security awareness coordinators to share security awareness methods and products, solve problems, and disseminate security-related information to satisfy Presidential and other regulatory requirements.
- Operate, maintain, and perform data analysis of the electronic Safeguards and Security Information Management System, a centralized classified browser-based database that serves as the repository of current and historical DOE safeguards and security information pertaining to inspection deficiencies, corrective action status, facility clearance levels, classified addresses, and asset information.
- Provide technical support and assistance for risk communication, risk management, vulnerability assessments, and security system performance evaluations, verifications, and validations, which are used to identify and cost-effectively address and mitigate current and emerging threats to Departmental assets at the site level.
- Provide assistance to DOE programs, sites, and laboratories in the use of security technology as a means to mitigate vulnerabilities, reduce recurring costs, and lessen environmental impacts.
- Maintain corporate security-related information technology systems, such as the DOE electronic Foreign Ownership, Control, or Influence program mandated by the Federal acquisition regulations system (48 C.F.R. 904.7003, 952.204-2, 970.0404, 904.404, and 952.204-73) and by Executive Order 12829, National Industrial Security Program; the DOE foreign visits and assignments (FACTS) program that enables foreign nationals' participation in unclassified DOE work, as well as classified visits involving foreign nationals; and the Radiological Source Registry and Tracking (RSRT) database, which is used to inventory approximately 18,000 radioactive sealed sources at DOE sites in support of the Department's nonproliferation and antiterrorist programs, U.S. and DOE regulatory compliance, and international treaty obligations.
- Conduct specialized assessments and analyses of enterprise-wide security activities.
- Assess systemic issues affecting DOE safeguards and security programs and identify approaches to address them.
- Produce biennial reports to Congress on the status of Security of the

**Other Defense Activities/Environment
Health, Safety and Security**

FY 2023 Congressional Budget Justification

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
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Department’s Category I and II Special Nuclear Materials.

Classification, Declassification and Controlled Information \$13,679,000	\$13,679,000	+\$0
<ul style="list-style-type: none"> • Provide technical support in developing U.S. Government and DOE-wide policy and technical guidance to ensure that classified nuclear weapons-related information and other information critical to national security and to U.S. Governmental, commercial, or private interests is identified for proper protection. • Provide specialized technical expertise to foreign governments and to DOE and other U.S. departments and agencies regarding the national security implications of classification and declassification decisions for nuclear proliferation issues. • Provide training and certification of DOE and other agency personnel in classification and information control programs and related areas. • Provide support to the National Declassification Center (NDC) for review of the remaining 3 million pages at the National Archives and follow-on record collections amounting to 24 million pages; support to NDC in its Interagency Referral Center confirming potential Restricted Data/Formerly Restricted Data in documents referred to DOE/EHSS by other agencies; • Review documents in support of DOE operations and other U.S. Government entities, such as Congress, Presidential Libraries, U.S. Patent Office, the Defense Nuclear Facilities Safety Board, the Government Accountability Office, and the Inspector General; and • Perform the final review of classified DOE documents and documents containing DOE equities from all U.S. Government departments and agencies, including DOE, when they are requested under the Freedom of Information Act and the mandatory provisions of Executive Order 13526, to ensure that DOE classified and controlled information is identified and protected from unauthorized release to the public as required by 10 C.F.R. 1004, Freedom of Information, and 10 C.F.R. 1045, Nuclear Classification and Declassification. • Continue efforts for the Advanced Computer Tools to Identify Classified Information (ACTICI) initiative. 	<ul style="list-style-type: none"> • Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> • No change.
Security Investigations \$ 4,533,000	\$4,000,000	-\$533,000

**Other Defense Activities/Environment
Health, Safety and Security**

FY 2023 Congressional Budget Justification

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<ul style="list-style-type: none"> Provides for initial background investigations, periodic reinvestigations, and reimbursement for fingerprint and name checks. Provide for the Defense Counterintelligence and Security Agency to conduct most background investigations of EHSS Headquarters Federal and contractor employees. Funding provides for initial single-scope background investigations, periodic reinvestigations, and initial and reinvestigation national agency checks, and continuous evaluation special agreement checks. Research, update, and maintain existing DOE regulations, directives, and technical standards, and develop new personnel security requirements based on new or evolving threats or working conditions, when warranted. Provide technical assistance to DOE programs, laboratories, and sites in implementing personnel security requirements and programs. Conduct corporate-level access authorization adjudications (i.e., performing case reviews, conducting evaluations, and preparing decision packages), as necessary. Operate and manage the electronic DOE Integrated Security System (eDISS), which consists of interrelated databases and associated client applications and web pages that automate the processing and tracking of access authorizations, access and visitor control, personal identity verification, and related personnel security processes. Continue deployment of the personnel security case management system, as well as the integration of this system with DOE field site human resources, financial management, and access control systems to reduce overall personnel security program costs by eliminating redundant systems at DOE field sites and reduce processing time by integrating directly with other databases. Provide for Homeland Security Presidential Directive 12 credentials for Headquarters DOE employees and contractors. 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> No significant change.
Headquarters Security Operations \$43,774,000	\$49,330,000	+\$5,556,000
<ul style="list-style-type: none"> Provide a protective force engaged in the physical protection of classified information, facilities, and the workforce 24 hours a day, 365 days a year at DOE Headquarters facilities and satellite facilities in Washington, DC, and Germantown, MD. Operate and maintain security alarms and access control systems, including 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> Funding increase primarily reflects the fixed price of the recently completed competitively awarded Protective Force Contract.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
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security screening equipment, vehicle inspection scanning devices, internet protocol video, turnstiles, unmanned access/egress portals, other access control equipment; and protective force shelters.

- Conduct technical surveillance countermeasures activities, such as surveys, inspections, in-conference monitoring, pre-construction consultation services, and threat analysis, in support of Presidential Decision Directive 61, Energy Department Counterintelligence, to detect and prevent hostile intelligence collection operations intent on penetrating DOE installations to steal technology or sensitive or classified information.
- Conduct the telecommunications security activities consisting of emission security, protected transmission systems, and communications security to ensure the protection of DOE's sensitive unclassified and classified telecommunications through various security components.
- Provide Communications Security (COMSEC) and TEMPEST support and oversight to all of the DOE/NNSA entities; develop and implement training for the various elements of the Technical Surveillance Program (TSP); perform COMSEC Audits/Inspections; and maintain DOE policy and guidance for TSP activities.
- Serve as the COMSEC Central office of record and national command and controlling authorities for classified key material.
- Provide access authorization adjudication services (i.e., case reviews and analysis, interviews, and use of court reporters and consulting physicians as needed) for DOE Headquarters personnel to assure that access to DOE classified information is permitted only after a determination that such access will not endanger the common defense and national security.
- Implement Homeland Security Presidential Directive 12 requirements related to the secure and reliable identification of DOE Federal and contractor employees.
- Administer the DOE Headquarters facility clearance registration and foreign ownership, control, or influence programs for contractors granted access to classified information.
- Conduct safeguards and security surveys, self-assessments, and program reviews to ensure that DOE Headquarters operations comply with Departmental and national-level requirements.
- Replace and repair of Headquarters physical security systems at both the Forrestal and Germantown facilities.

Program Direction

Overview

Program Direction provides for Federal staffing and mission support services to provide overall direction and execution of the EHSS mission of conducting the Department's activities in environment, health, safety, and security policy, technical assistance, analysis, and corporate programs. Critical to achieving its vision and goals is the ability of EHSS to maintain a highly qualified workforce with the expertise and skills necessary to support, manage, and conduct its mission. EHSS will implement activities to support Executive Order 14035: Diversity, Equity, Inclusion and Accessibility in the Federal Workforce to create a respectful, inclusive, and safe workplace where employees can thrive, develop their potential and contribute to the success of their workplace that will increase productivity and morale and may reduce employee turnover.

Technical Support Services: Defense Nuclear Facilities Safety Board (DNFSB) Liaison Activities

The Office of the Departmental Representative to the DNSFB ensures effective cross-organizational leadership and coordination to resolve DNFSB-identified technical and management issues to ensure the health, safety, and security of the workers, public, and environment.

Other Related Expenses

Other related expenses provide support required for EHSS to accomplish its mission. Support includes Working Capital Fund services; training for Federal employees; funding for information technology equipment, services, and DOE common operating environment fees; and executive protection and other security-related equipment.

**Program Direction
Funding (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
Program Direction Summary					
Program Direction					
Salaries and Benefits	50,569	50,569	52,946	+2,377	+4.7%
Travel	2,700	2,700	3,000	+300	+11.1%
Mission Support	285	285	285	+0	+0.0%
Other Related Expenses	18,446	18,446	20,454	+2,008	+10.9%
Total, Program Direction	72,000	72,000	76,685	+4,685	+6.5%
Federal FTEs	262	262	262	+0	+0.0%
Support Service and Other Related Expenses					
Support Services					
Technical Support					
Defense Nuclear Facilities Safety Board Liaison Activities	285	285	285	+0	+0.0%
Total, Technical Support	285	285	285	+0	+0.0%
Total, Support Services	285	285	285	+0	+0.0%
Other Related Expenses					
Working Capital Fund	11,195	11,195	12,377	+1,182	+10.6%
Tuition/Training of Federal Staff	365	365	365	+0	+0.0%
Other Services Procured	6,886	6,886	7,712	+826	+12.0%
Total, Other Related Expenses	18,446	18,446	20,454	+2,008	+10.9%

Program Direction

Activities and Explanation of Changes

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Program Direction \$72,000,000	\$76,685,000	+\$4,685,000
Salaries and Benefits \$50,569,000	\$52,946,000	+\$2,377,000
<ul style="list-style-type: none"> Funds 262 full-time equivalent employees (FTE): Provides an Executive Protection Program in accordance with the authority of United States Code (USC) Title 42, Chapter 23, Section 161.k and 2201k (the Atomic Energy Act); 10 Code of Federal Regulation 1047; and USC Title 18, Chapter 203, Section 3053. Manage the conduct of domestic and international health programs. Implement physical and personnel security programs for DOE Headquarters facilities; and Manage the U.S. Government-wide program to classify and declassify nuclear weapons-related technology and other national security information. 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> Funding increase reflects 4.6% pay raise,
Travel \$2,700,000	\$3,000,000	+\$300
<ul style="list-style-type: none"> Support the management and conduct of environment, health, safety, and security programs for the Department; and Support executive protection activities for the Secretary, Deputy Secretary, and other dignitaries as assigned. 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> Funding reflects inflationary travel costs.
Technical Mission Support \$285,000	\$285,000	+\$0
<i>Defense Nuclear Facilities Safety Board (Board) Liaison Activities</i> <ul style="list-style-type: none"> Coordinate resolution of Board recommendations and agreed-upon defense nuclear facility safety issues. Provide requested reports/information on defense nuclear facility safety issues. Coordinate ready access to such defense nuclear facilities, personnel, and information as are necessary for the Board to carry out its responsibilities. Provide technical evaluation and analysis of defense nuclear safety and management issues identified by the Board. Provide assistance, advice and support to DOE/NNSA Program and field offices, including line management on addressing and resolving such issues; and 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> No change in work scope.

**Other Defense Activities/Environment
Health, Safety and Security**

FY 2023 Congressional Budget Justification

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<ul style="list-style-type: none"> Monitor Department-wide performance in addressing Board-related defense nuclear safety and management issues. 		
Other Related Expenses \$18,446,000	\$20,454,000	+\$2,008,000
<ul style="list-style-type: none"> Working Capital Fund fees for the cost of common administrative services such as building occupancy and alterations, computer and telephone infrastructure and usage, mail service, copying, printing and graphics, procurement closeouts, supplies, online learning, computer network support, and payroll processing. Federal employee training to obtain and/or maintain the technical competence of Federal employees. The DOE common operating environment initiative that provides a single point of contact for all common information technology systems and services and brings security, service, efficiency, and scale to these projects. Information technology investments that support Headquarters Federal and contractor staff with hardware, software, hotline, and other desktop computer maintenance support on per-user count and level of service. Information technology systems exclusive to EHSS, such as the classified local area network that includes a Secret/Restricted Data network that supports Headquarters users and the Secret Internet Protocol Router Network that provides access to the Department of Defense classified network to effect coordination between the two departments; Executive protection services to the Secretary of Energy and others designated by the Secretary; and the conduct of inquiries and investigations into significant matters of security concern. Specialized security equipment and services. 	<ul style="list-style-type: none"> Continuation of all FY 2021 activities. 	<ul style="list-style-type: none"> Funding change reflects an increase in Information Technology costs and additional Working Capital Fund (WCF) expenses.

Environment, Health, Safety and Security

**Safeguards and Security Crosscut
Funding (\$K)**

	FY 2021 Enacted	FY 2023 Request	FY 2023 vs. FY 2021 \$ Chg.
<u>Environment, Health, Safety and Security (EHSS)</u>			
Protective Forces	33,303	40,000	+6,697
Physical Security Systems	7,379	7,379	+0
Information Security (Class/Declass)	13,679	13,679	+0
<u>Cyber Security</u>			
Identify	875	890	+15
Protect	4,144	4,245	+101
Detect	441	480	+39
Respond	73	75	+2
Recover	131	140	+9
Subtotal, Cyber Security	5,664	5,830	+166
Personnel Security	6,442	6,192	-250
Program Management (Security Operational Support)	5,940	7,591	+1, 651
Security Investigations Clearances	1,183	900	-283
Total, EHSS	73,590	81,571	+7,981

Artificial Intelligence & Machine Learning Crosscut (\$K)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs. FY 2021 Enacted
Advanced Computer Tools to Identify Classified Information (ACTICI)	1,400	1,400	1,400	0
Total, Artificial Intelligence	1,400	1,400	1,400	0

Research and Development Crosscut (\$K)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs. FY 2021 Enacted
Nuclear Safety Research Development	1,000	1,000	1,000	0
Total, Research and Development	1,000	1,000	1,000	0

**Environment, Health, Safety and Security Funding by Appropriation by Site
Funding (\$K)**

	FY 2021 Enacted	FY 2023 Request
<u>Environment, Health, Safety and Security</u>		
Argonne National Laboratory	945	945
Brookhaven National Laboratory	250	250
Chicago Operations Office	50	50
Consolidated Business Center	259	259
Idaho National Laboratory	150	150
Idaho Operations Office	400	400
Kansas City Plant	10	10
Lawrence Berkeley National Laboratory	0	50
Lawrence Livermore National Laboratory	3,050	3,050
Lexington Project Office	200	200
Los Alamos National Laboratory	95	95
Nevada Site Office	15	15
NNSA Service Center	1,000	1,000
Oak Ridge Institute for Science and Education	1,305	1,255
Oak Ridge National Laboratory	1,035	1,035
Oak Ridge Operations Office	2,795	2,795
Office of Scientific and Technical Information	300	300
Ohio Field Office	5	5
Pacific Northwest National Laboratory	1,905	1,905
Pantex Plant	10	10
Richland Operations Office	1,000	1,000
Sandia National Laboratory	1,210	1,210
Savannah River Operations Office	500	500
Savannah River Site	10	10
Washington, D.C., Headquarters	189,801	199,020
Y-12 National Security Complex	20	20
Total, Environment, Health, Safety and Security	206,320	215,539

Office of Enterprise Assessments

Overview

The Office of Enterprise Assessments (EA) supports the Department's mission priorities and strategic plan for the secure, safe, and efficient operation of the nuclear weapons complex, science and energy research, and environmental cleanup activities by conducting independent assessments of security and safety performance throughout the Department, holding contractors accountable for violations of security and safety regulations, and providing training programs that institutionalize enterprise security and safety lessons learned. EA activities complement, but do not replace, the responsibility of DOE line management to ensure compliance with security and safety requirements and manage the Department's programs effectively.

Because EA is organizationally independent of the DOE entities that develop and implement security and safety policy and programs it is able to provide objective and timely information to DOE senior leadership, contractor organizations, and other stakeholders on whether national security material and information assets are appropriately protected; and whether Departmental operations ensure the safety of its employees and the public. EA activities evaluate the Department's effectiveness in promoting protection strategies that are based on informed risk management decisions. EA is designated to implement statutorily authorized contractor enforcement programs pertaining to classified information security, nuclear safety, and worker safety and health. EA also operates the DOE National Training Center (NTC) in Albuquerque, New Mexico, to enhance the proficiency and competency of the Department's security and safety personnel.

EA's key activities in FY 2023 are:

Strengthening the Department's posture and ability to protect national security assets (special nuclear material [SNM], controlled unclassified information, and classified matter), its employees and the public by:

- Conducting comprehensive independent security performance assessments and follow-up assessments at DOE National Security / Category I SNM sites (those with high value assets); utilizing "limited notice" safeguards and security performance tests to provide accurate, up-to-date assessments of DOE site security response capabilities; and evaluating actions to detect insider threats from individuals who may seek to compromise national security and/or the ability of the Department to meet its mission;
- Increasing the number of assessments performed and enhancing the methods and tools used to conduct comprehensive independent cybersecurity assessments, including unannounced "red team" performance testing to identify vulnerabilities in the Department's National Security, Intelligence, scientific, and other information systems to external and internal attacks;
- Conducting nuclear safety, worker safety and health, and emergency management independent performance assessments of the Department's operations including high hazard nuclear construction projects and operations, such as those at the Los Alamos National Laboratory, Y-12 National Security Complex, Savannah River Site, Hanford Site, and Idaho National Laboratory;
- Enhancing the effectiveness of the DOE enforcement function that holds contractor organizations accountable for noncompliance with worker safety and health, nuclear safety, and classified information security regulations;
- Developing and providing training programs that promote the competency and proficiency of DOE federal and contractor employees and performing other related functions via the DOE National Training Center in Albuquerque, NM, that institutionalize security and safety data analysis and safety lessons learned in support of improved DOE security and safety performance; and
- Using risk-informed and fact-based analysis to identify emerging trends in safety, security, and cybersecurity within the Department.

**Office of Enterprise Assessments
Funding (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
Office of Enterprise Assessments					
Nuclear Safety Assessments	6,892	6,892	7,621	+729	10.6%
Enforcement	435	435	435	0	0%
Security and Safety Training	17,108	17,108	19,430	+2,322	13.6%
Total, Office of Enterprise Assessments	24,435	24,435	27,486	+3,051	12.5%
Program Direction	54,635	54,635	57,941	+3,306	6.1%
Total, Office of Enterprise Assessments	79,070	79,070	85,427	+6,357	8.0%

**Office of Enterprise Assessments
Explanation of Major Changes (\$K)**

	FY 2023 Request vs FY 2021 Enacted
Office of Enterprise Assessments	
Increase for: Program funding reflects Security and Safety Training current operating levels; Salaries & Benefits to support subject matter experts to include a pay raise of 4.6% and for overall ongoing personnel actions to include lump sum payouts, Permanent Change of Station (PCS), and awards.	+6,357
Total, Office of Enterprise Assessments	+6,357

Enterprise Assessments

Description

The EA Program provides for the assessment of DOE performance in nuclear safety; implementation of the statutorily authorized contractor enforcement programs for classified information security, nuclear safety, and worker health and safety; development and administration of security and safety training that reflects the most current Departmental policy and lessons learned derived from enforcement investigations, independent assessments to enhance performance of the workforce, and data analysis in support of improved DOE security and safety performance.

Nuclear Safety Assessments

Provides for the planning and execution of independent assessments of DOE high hazard nuclear facility construction projects and nuclear facilities and operations to determine performance compared with nuclear safety requirements contained in Title 10, Code of Federal Regulations (C.F.R.) Part 830, Nuclear Safety Management, and related DOE directives. EA will continue its focus of nuclear safety performance assessments on nuclear weapons complex infrastructure projects, e.g., at the Y-12 National Security Complex; and at cleanup and related operations, e.g., construction of the Hanford Site Waste Treatment and Immobilization Plant; and pit production operations at Los Alamos National Laboratory and the Savannah River Site.

Enforcement

Provides the Department with the capability to implement the DOE contractor enforcement programs specified in 10 C.F.R. Part 824, Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations; 10 C.F.R. Part 820, Procedural Rules for DOE Nuclear Activities; and 10 C.F.R. Part 851, Worker Safety and Health Program, and 10 C.F.R. Part 1017, Identification and Protection of Unclassified Controlled Nuclear Information. These activities provide a consistent and transparent method of contractor accountability for classified information security, nuclear safety, and worker health and safety performance that complements the Department's contract management mechanisms. The goal of this activity is to enable safe and secure accomplishment of the Department's mission by promoting DOE contractor adherence to classified and unclassified controlled nuclear information security, nuclear safety, and worker safety and health requirements, and incentivize proactive performance improvement through timely self-identification, reporting, and correction of noncompliant conditions that enables contractors to achieve excellence in mission accomplishment without the need for enforcement actions.

Security and Safety Training

Security and safety training activities provide the Department a means to improve security and safety performance by developing and maintaining the proficiency and competency of DOE security and safety contractor and Federal employees. These activities also improve senior executives' performance and capabilities to fulfill security and safety leadership responsibilities through standardized training for the security of critical Departmental and national security assets, the safety and health of the workforce, and the protection of the public and the environment. The DOE National Training Center (NTC), located in Albuquerque, New Mexico, serves as the primary resource for DOE security and safety training for Federal and contractor employees. Funding provides for operation and maintenance of the NTC campus and the development and presentation of various security and safety training and certification programs at the NTC, through e-learning mechanisms, and at DOE sites via mobile training teams. The NTC is also responsible for certifying training programs in accordance with DOE Policy 364.1, Health and Safety Training Reciprocity. The NTC certifies certain health and safety training programs for those training programs to be accepted at various DOE sites and contractor organizations, thus reducing or eliminating the need for employees to complete redundant training programs before conducting work at different DOE sites. The NTC also incorporates lessons learned and best practices identified during EA enforcement investigations and independent assessments into its training programs to increase their utility, relevancy, and effectiveness.

EA is continuing to build its data analysis program, which draws upon existing DOE reporting systems and programs, as well as other potentially useful data sources, to identify and interpret emerging security and safety trends across the DOE complex, and to evaluate their potential impact on the Department's performance. A robust data analysis program will result in improved risk-based planning for EA assessments, informed regulatory enforcement decision-making, and will help DOE programs and sites make better decisions, with the goal of improving security and safety performance.

Office of Enterprise Assessments

Activities and Explanation of Changes

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Office of Enterprise Assessments \$24,435,000	\$27,486,000	+\$3,051,000
Nuclear Safety Assessments \$6,892,000	\$7,621,000	+\$729,000
<ul style="list-style-type: none"> Conduct independent assessments of high hazard nuclear facility construction projects to ensure performance in the implementation of nuclear safety requirements; and Provide independent assessments of DOE nuclear facilities and operations to ensure performance in the implementation of nuclear safety requirements. 	<ul style="list-style-type: none"> Continuation of activities. 	No significant change.
Enforcement \$435,000	\$435,000	\$0
<ul style="list-style-type: none"> Review and analyze information from the DOE data management system designed for noncompliance reporting, as well as reports from independent assessment activities, the DOE Occurrence Reporting and Processing System, the DOE Computerized Accident/Incident Reporting System, the DOE Safeguards and Security Information Management System, Federal accident investigations, and DOE site and program office assessments and evaluations to determine whether enforcement investigations are warranted and to identify performance trends; and Conduct periodic outreach and training activities to communicate the Department’s approach to security and safety enforcement, convey noncompliance-reporting expectations, and provide information about DOE regulatory performance. 	<ul style="list-style-type: none"> Continuation of activities. 	No change.
Security and Safety Training \$17,108,000	\$19,430,000	+\$2,322,000
<ul style="list-style-type: none"> Develop and provide security and safety-related training and professional development programs at the NTC and at DOE sites through mobile training teams, Webinars, video conferencing, and synchronous distance learning to enhance performance throughout the Department; Maintain and upgrade equipment and technologies to support a greater web presence and “just-in-time” online 	<ul style="list-style-type: none"> Continuation of activities. 	Continued development and implementation of training curricula including expansion of virtual learning offerings, increased protective force training in support of pit production, customer requested contractor acquisition curricula, data analysis, and activities to support a common DOE-wide Learning Management System, increased infrastructure

**Other Defense Activities/
Enterprise Assessments**

FY 2023 Congressional Justification

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<p>training products, such as webcasts and topical area seminars;</p> <ul style="list-style-type: none"> • Continue recent initiatives to provide expanded nuclear safety training, expanded DOE oversight training, and Nuclear Executive leadership training, expanded protective force training and development of contractor acquisition curricula. • Support development and implementation of the DOE Learning Nucleus platform that consolidates DOE-wide employee training resources and administration; • Continue the implementation of the training reciprocity and collaboration program whereby certified safety training programs are recognized by other DOE contractors and sites and provide mechanisms for DOE contractors to work together to share training content and develop DOE-wide courses; • Incorporate best practices and lessons learned from EA enforcement investigations and independent assessments as well as data analysis into NTC training programs to enhance performance of the DOE workforce; and • Operate and maintain the facility, including classrooms, administrative offices, weapons live-fire ranges, and the Integrated Safety and Security Training and Evaluation Complex, a simulated DOE research and operational facility designed to allow for the use and evaluation of training methodologies and evolving safety and security technologies through hands-on, performance-based instruction. 		<p>maintenance, and information technology upgrades.</p>

Program Direction

Overview

Program Direction provides for Federal staffing and mission support services to provide overall direction and execution of the EA mission to conduct independent assessments of the Department's performance in security, safety, and other areas; implement classified information security, nuclear safety, and worker health and safety contractor enforcement programs; and develop and administer security and safety training that reflects the most current Departmental policy on security and safety issues; and perform internal analytic functions designed to optimize the prioritization and selection of specific EA activities. Critical to achieving its vision and goals is the ability of EA to maintain a highly qualified workforce with the expertise and skills necessary to support, manage, and conduct its mission. EA will develop a program to support Executive Order 14035: Diversity, Equity, Inclusion and Accessibility in the Federal Workforce to create a respectful, inclusive, and safe workplace where employees can thrive, develop their potential and contribute to the success of their workplace that will increase productivity and morale and may reduce employee turnover. The EA workforce is composed of security and safety professionals highly educated in science, engineering, and technology that are led by effective program and project managers with exceptional communication and leadership skills and supported by innovative resource management experts. The judicious use of contractor support continues to be a practical and cost-effective means of providing a surge pool of technical experts.

Support Services

Independent assessment activities provide high value to the Department by assessing performance and identifying gaps and vulnerabilities in physical security and cybersecurity programs, safety (worker and nuclear safety, and emergency management), and related performance. Independent assessment activities are selected based on careful consideration and analysis of risk to Departmental operations and performance trends, and tailored to the unique missions and needs of each DOE program and site / field office. Safeguards and security, information security, and cybersecurity independent performance assessment activities are designed to determine whether special nuclear materials, classified matter (parts and information), and controlled unclassified and sensitive information are adequately protected from unauthorized or inadvertent disclosure or diversion, including from the actions of malicious insiders. Independent performance assessment activities are also designed to evaluate whether the Department's overarching management and governance structure is effective in promoting robust protection strategies based on informed risk management decisions. Safety-related independent performance assessment activities determine whether workers and the public are protected from the hazards associated with the Department's operations and identify events that could negatively impact the Department's ability to perform its mission and achieve its goals. Independent assessment activities provide accurate and timely information and analysis to the Department's senior leadership regarding the performance of the Department's security and safety programs and other functions of interest. Information is made available to Department management, congressional committees, and stakeholders, such as unions and local public interest groups, to provide confidence that the Department's operations are performed in a secure and safe manner.

Independent performance assessment activities complement but do not replace DOE line management's responsibility for security, safety, and contract performance management as required by Departmental policies. EA provides a check-and-balance function for the Department that is vital to provide assurance of its security and safety performance to its leadership, its workers, the public and Congress, and to maintain confidence in the Department's ability to be an effective self-regulator. As required by DOE Order 227.1A, Independent Oversight Program, independent assessment activities are performed by personnel who are organizationally independent of the DOE program and site / field offices that develop and implement policies and programs, and who can therefore objectively observe and report on the performance of those policies and programs as they relate to Departmental operations. Independent assessment processes are governed by documented, formal protocols that are continuously evaluated, revised, and refined based on Departmental and national events and activities that have an impact on DOE security and safety to provide more useful performance data and related information to DOE management.

Other Related Expenses

Support includes working capital fund services; training for Federal employees; information technology equipment and services, and the Energy Information Technology Services.

**Program Direction
Funding (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
Program Direction					
Salaries and Benefits	19,776	19,776	24,180	+4,404	+22.3 %
Travel	1,545	1,545	1,170	-375	-24.3%
Support Services	28,201	28,201	27,701	-500	-1.8%
Other Related Expenses	5,113	5,113	4,890	-223	-4.4%
Total, Program Direction	54,635	54,635	57,941	+3,306	+6.1%
Federal FTEs	94	94	100	6	0
Support Services					
Independent Assessments	28,201	28,201	27,701	-500	-1.8%
Other Related Expenses					
Working Capital Fund	2,804	2,804	2,804	0	0%
Training	116	116	116	0	0%
Other Services Procured	2,193	2,193	1,970	-223	-10.2%
Total, Other Related Expenses	5,113	5,113	4,890	-223	-4.4%

Program Direction

Activities and Explanation of Changes

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Program Direction \$54,635,000	\$57,941,000	+\$3,306,000
Salaries and Benefits \$19,776,000	\$24,180,000	+\$4,404,000
<ul style="list-style-type: none"> Provides for Federal staffing to manage and oversee direction and execution of the EA mission related to: independent assessments; enforcement; security and safety training; conduct enforcement investigations of DOE contractors for potential violations of security and safety requirements; develop and issue enforcement outcomes as necessary; conduct security and safety independent assessments; develop and deploy new and existing training curricula; conduct analytical activities to support EA programs; and provide infrastructure support related to EA resources and communication. 	<ul style="list-style-type: none"> The request will support 100 FTEs to perform core EA mission. 	Increase for Salaries and Benefits to support subject matter experts and for overall ongoing personnel actions to include pay raise of 4.6%, benefits, lump sum payouts, PCS and awards.
Travel \$1,545,000	\$1,170,000	-\$375,000
<ul style="list-style-type: none"> Provides for Federal employee travel in support of EA enforcement, independent assessment, training, and other mission-related activities. 	<ul style="list-style-type: none"> Continuation of activities. 	Reflects spending trends and increased use of virtual activities combined with travel, to reduce the footprint at the sites.
Support Services \$28,201,000	\$27,701,000	-\$500,000
<i>Independent Assessments</i>	<i>Independent Assessments</i>	Mission requires an increase in Federal positions resulting in a decrease of required contractors.
<ul style="list-style-type: none"> Observe operations and conduct technical assessments and performance tests that examine the effectiveness of security and safety programs and policies, giving priority to the highest security interests, such as strategic quantities of special nuclear material, and activities that present the most significant safety risks to workers and the public, such as nuclear facilities and operations; Conduct performance tests for critical security interests, including protective force tests (e.g., 	<ul style="list-style-type: none"> Continuation of activities. 	

**Other Defense Activities/Enterprise Assessments/
Program Direction**

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
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force-on-force exercises) using weapons simulation systems and a specially trained composite adversary team to assess overall effectiveness;

- Conduct limited-notice performance testing of site protective forces to maximize response realism and broaden the spectrum of tested threat scenarios;
- Conduct performance assessments of the implementation of the Department’s insider threat program to deter, detect, and mitigate potential insider threats posed by Federal and DOE contractor employees;
- Conduct announced and unannounced internal and external network penetration testing to provide a full understanding of a site’s cybersecurity protection posture;
- Develop new and enhanced performance testing tools capable of detecting and countering evolving cybersecurity threats to national assets and critical infrastructure;
- Conduct the annual independent evaluation of DOE classified information systems security programs as required by the Federal Information Security Modernization Act;
- Conduct an annual evaluation of DOE classified information systems security programs for systems that process intelligence information on behalf of the DOE Office of Intelligence and Counterintelligence;
- Provide input to the DOE Office of Inspector General for the annual evaluation of the DOE unclassified information systems security program;

**Other Defense Activities/Enterprise Assessments/
Program Direction**

FY 2023 Congressional Justification

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
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- Conduct annual “red team” cybersecurity performance assessments of the computer networks within the National Nuclear Security Administration nuclear weapons sites and laboratories;
- Undertake and/or support activities that promote accomplishing DOE Office of the Chief Information Officer and U.S. Intelligence Community strategic cybersecurity performance objectives;
- Conduct targeted reviews of selected nuclear safety functional areas across the DOE complex based on such factors as performance trends, changes to applicable requirements, and/or performance information gaps;
- Maintain the nuclear safety site lead program to monitor the status of DOE nuclear facilities and activities and facilitate the selection and execution of risk-informed assessment activities;
- Conduct risk-informed reviews of worker safety and health programs;
- Conduct reviews to assess performance of emergency planning, preparedness, and response and recovery capabilities;
- Conduct special reviews and studies of security and safety policies, programs, and implementation to identify needed program corrections;
- Develop reports to communicate security and safety performance, findings, and opportunities for improvement;
- Develop and broadly disseminate assessment report abstracts of key results to promote performance improvements;

**Other Defense Activities/Enterprise Assessments/
Program Direction**

FY 2023 Congressional Justification

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
<ul style="list-style-type: none"> Continuously analyze results, and develop periodic summary reports that identify cross-cutting issues and performance trends; Conduct follow-up performance reviews to evaluate corrective action effectiveness; and Provide lessons learned and trending of assessment results to the NTC to be used to develop or amend security and safety curricula to enhance performance of the DOE workforce. 		

Other Related Expenses \$5,113,000	\$4,890,000	-\$223,000
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<ul style="list-style-type: none"> Working Capital Fund (WCF) fees, based on guideline estimates issued by the working capital fund manager, for the cost of common administrative services such as building occupancy and alterations, computer and telephone infrastructure and usage, mail service, copying, printing and graphics, procurement closeouts, supplies, online learning, computer network support, and payroll processing; Federal employee training to obtain and/or maintain the technical competence of EA Federal employees, assuring that Federal personnel are fully capable of performing missions of the Department; and The Energy Information Technology Services that provide a single point of contact for all common information technology systems and services at DOE Headquarters, promoting security, service, and efficiency. 	<ul style="list-style-type: none"> Continuation of activities. 	<p>Reduced costs related to development of EA internal document development system.</p>
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**Other Defense Activities
Facilities Maintenance and Repair**

The Department's Facilities Maintenance and Repair activities are tied to its programmatic missions, goals, and objectives. The Facilities Maintenance and Repair activities funded by this budget and displayed below are intended to halt asset condition degradation.

Costs for Direct-Funded Maintenance and Repair (including Deferred Maintenance Reduction) (\$K)

	FY 2021 Actual Cost	FY 2021 Planned Cost	FY 2022 Planned Cost	FY 2023 Planned Cost
National Training Center	1,278	1,720	1,771	1,824
Total, Direct-Funded Maintenance and Repair	1,278	1,720	1,771	1,824

Report on FY 2019 Expenditures for Maintenance and Repair

This report responds to legislative language set forth in Conference Report (H.R. 108-10) accompanying the Consolidated Appropriations Resolution, 2003 (Public Law 108-7) (pages 886-887), which requests the Department of Energy provide an annual year-end report on maintenance expenditures to the Committees on Appropriations. This report compares the actual maintenance expenditures in FY 2019 to the amount planned for FY 2019, including congressionally directed changes.

**Other Defense Activities
Total Costs for Maintenance and Repair (\$K)**

	FY 2021 Actual Cost	FY 2021 Planned Cost
National Training Center	1,278	1,720
Total, Maintenance and Repair	1,278	1,720

Funding by Appropriation by Site (\$K)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request
Enterprise Assessments			
National Training Center	150	150	300
Washington Headquarters	78,920	78,920	85,127
Total, Enterprise Assessments	79,070	79,070	85,427

**Enterprise Assessments
Safeguards and Security (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted
Cybersecurity	9,335	9,335	9,335	0
Total, Safeguards and Security	9,335	9,335	9,335	0

Legacy Management

FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request
\$163,059	\$163,059	\$196,146

Overview

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) protects human health and the environment by providing long-term management solutions at over 100 World War II and Cold War era sites where the federal government operated, researched, produced, and tested nuclear weapons and/or conducted scientific and engineering research. While these sites were remediated and placed in a safe condition, residual hazards remain after cleanup due to technical limitations of the remedial work. As a result, DOE maintains a post closure obligation to protect human health and the environment after cleanup is completed. LM fulfills this obligation by providing long-term stewardship (LTS) of these sites. In the next five years, LM anticipates adding over 20 new sites to its LTS portfolio.

LM's LTS activities foundationally include executing Long-Term Surveillance and Maintenance (LTS&M) at remediated sites. In addition to the LTS&M activities, LTS includes evaluating the condition and addressing physical safety hazards of Defense-Related Uranium Mines (DRUM), performing Archiving and Information Management (AIM) for LM's operations and sites, assuring post-retirement benefits to more than 10,000 former contractor workers (Legacy Benefits), and conducting Asset Management (AM), Environmental Justice (EJ), Education, Communication, History, and Outreach (ECHO), and Program Direction (PD) functions.

Highlights and Major Changes for the FY 2023 Budget Request

LM's FY 2023 request is \$33,087,000 above the FY 2021 enacted level. In addition to supporting the enhancement of core LTS activities mentioned above, \$10,075,000 will allow LM to increase its foundational Environmental Justice program activities, enabling the program to reach a larger number of affected communities. This funding also supports Executive Order (E.O.) 13985, "Advancing Racial Equity and Support for Underserved Communities Through the Federal Government," and E.O. 14008, "Tackling the Climate Crisis at Home and Abroad." Funding ensures equity and climate resilience are assessed and implemented for all LM's activities.

Additionally, \$5,992,000 supports acceleration of major maintenance and repair at sites with natural and climate-change induced degradation. In FY 2023, funding will be applied to stabilization of the North Walnut Creek hillside at Rocky Flats site in Colorado and repair of the mud pits at Amchitka site in Alaska.

The remaining \$17,020,000 supports legacy benefits for former contractor workers; transition activities related to the transfer of over 20 new sites in the next five years; inventorying, risk screening, and safeguarding of DRUM sites on Navajo Nation and other Tribal lands; appropriate implementation of mitigating actions at LM sites to enhance climate resilience; deployment and implementation of new Continuous Diagnostics and Mitigation (CDM) and Endpoint Detection and Response (EDR) tools to improve monitoring, detection and response to cyber-attacks; execution of climate mitigation and data collection activities at DOE properties such as the Regenerative Grazing Study at the Shirley Basin South site in Wyoming; extensive community interaction and outreach to support the long-term stewardship mission; and the proposed FY 2023 cost-of-living pay increase for civilian employees.

**Legacy Management
Funding (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
Legacy Management					
Legacy Management					
Long-Term Surveillance and Maintenance	66,414	66,414	72,406	+5,992	+9%
Archives and Information Management	20,347	20,347	24,075	+3,728	+18%
Legacy Benefits	37,224	37,224	46,400	+9,176	+25%
Asset Management	12,196	12,196	14,162	+1,966	+16%
Education, Communication, History, and Outreach	4,124	4,124	4,553	+429	+10%
Environmental Justice	2,492	2,492	12,567	+10,075	+404%
Subtotal, Legacy Management	142,797	142,797	174,163	+31,366	+22%
Program Direction	20,262	20,262	21,983	+1,721	+8%
Total, Legacy Management	163,059	163,059	196,146	+33,087	+20%
Federal FTEs	80	80	80	0	N/A

Legacy Management
Explanation of Major Changes (\$K)

FY 2023 Request
vs
FY 2021 Enacted

<ul style="list-style-type: none"> ● Long-Term Surveillance and Maintenance: The increase supports the following: the transition activities of over 20 sites in the next 5 years; inventorying and safeguarding of DRUM sites on public, Navajo Nation, other Tribal, and private lands; and major maintenance and repair activities at current sites such as the Rocky Flats site in Colorado and the Amchitka site in Alaska. 	+5,992
<ul style="list-style-type: none"> ● Archives and Information Management: The increase supports improvements to the enterprise geospatial information system to assure compliance with statutes pertaining to data access, quality and use and data sharing. The increase also supports compliance with two E.O. on Artificial Intelligence E.O. 13859 (Maintaining American leadership in Artificial Intelligence (AI)) and E.O. 13960 (Promoting the Use of Trustworthy AI in the Federal Government). To bolster LM's Cyber Security posture, and fully comply with E.O. 14028 (Improving the Nation's Cybersecurity). LM will deploy and implement Continuous Diagnostics and Mitigation (CDM) and Endpoint Detection and Response (EDR) tools to bolster the prevention, detection, and management of cyber incidents across its networks. Additionally, the increase will support modernization of network infrastructure and facilitate implementation of Zero Trust Cybersecurity Principles. 	+3,728
<ul style="list-style-type: none"> ● Legacy Benefits (formerly Pension and Benefit Continuity): Funding supports legacy post-retirement benefits to more than 10,000 former contractor workers. 	+9,176
<ul style="list-style-type: none"> ● Asset Management: Increase supports repair and facility management of the LM Field Support Center in Grand Junction, Colorado; sustainment and climate resilience activities at leased and owned properties such as the Regenerative Grazing Study at the Shirley Basin South site in Wyoming; and modernization of the LM fleet vehicles as well as vehicle charging infrastructure. 	+1,996
<ul style="list-style-type: none"> ● Education, Communication, History, and Outreach: Increase supports outreach requirements for compliance with Executive Order 13985. 	+429
<ul style="list-style-type: none"> ● Environmental Justice: Increase enhances foundational EJ activities to expand the scope of engagement to a broader set of stakeholders. Additionally, increase supports equity and energy justice requirements consistent with E.O. 13985 and 14008. 	+10,075
<ul style="list-style-type: none"> ● Program Direction: Increase supports the proposed 4.6% cost-of-living increase to salaries and benefits for Federal full-time-equivalents (FTEs). Also, supports additional mission essential travel, training, working capital, and DOE Information Technology (IT) services. 	+1,721
Total, Legacy Management	+33,087

Legacy Management

Overview

Long-Term Surveillance and Maintenance

LM protects human health and the environment by conducting LTS&M activities at remediated sites that have been closed. The overall goal of LTS&M activities is to ensure that environmental remedies put in place during site cleanup continue to protect human health and the environment. Sites are remediated under the following regulatory and/or functional categories before they are transferred to LM: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA); Resource Conservation and Recovery Act of 1976 (RCRA); Uranium Mill Tailings Radiation Control Act of 1978 (UMTRCA) Title I & II; Formerly Utilized Sites Remedial Action Program (FUSRAP); Defense Decontamination and Decommissioning (D&D) Program; Nevada Off-Sites and the Plowshare/Vela Uniform Programs; and the Nuclear Waste Policy Act (NWPA, 1984) Section 151. LM continues to conduct LTS&M activities under those regulatory and/or functional categories after sites are transferred. LTS&M activities include the following: isolation of radioactive and hazardous materials (often in engineered disposal cells), management and remediation of contaminated groundwater, and maintaining institutional controls (ICs), ranging from signs to legal instruments, such as deed restrictions.

The funding requested for FY 2023 will allow LM to conduct sustainment, repair/replace, modernization, and new requirements under LTS&M activities, as well as conducting routine functions, at over 100 sites. Routine functions include soil, water, and air monitoring, long-term treatment of contaminants, maintenance of disposal cells, facility and infrastructure maintenance, and security. By the end of FY 2027, LM will transition and perform transition activities for 20 or more sites. Some of these sites scheduled to transfer in the next five years include: the Gas Hills North Disposal site in Wyoming, the Ray Point Disposal site in Texas, the Bear Creek Disposal site in Wyoming, the Hazelwood site in Missouri, and the Kansas City Plant in Missouri. Additionally, LM has major repair and maintenance projects so sites remain protective of public health and the environment. Some of these sites require major repair and maintenance projects which include, but are not exclusive to, the Rocky Flats site in Colorado and the Amchitka site in Alaska.

LTS&M activities also include the inventorying, risk screening, and safeguarding of physical safety hazards at DRUM sites. LM led the effort to produce the 2014 Defense-Related Uranium Mines Report to Congress. The report concluded there are still numerous data gaps associated with abandoned uranium mines. The initial 5-year campaign (Campaign #1) focuses on approximately 2,500 mines on public lands. These data gaps need to be addressed to fully comply with the intent of Congress. Beginning in FY 2017, DOE participated in intergovernmental coordination efforts to begin filling the data gaps and quantifying the risks. The funding for FY 2023 will support LM's continued involvement in a multi-agency effort to validate and verify existing information at over 350 mines, collect site-specific data at each mine to identify possible hazards, perform risk scoring and ranking of these mine hazards, improve data quality and content of the national DRUM database, exchange information with federal, Tribal, and state governments, and work with partner agencies to mitigate physical hazards at DRUM sites. This effort will help DOE better define potential safety and environmental issues at DRUM sites. The funding request for FY 2023 will also support field activities at DRUM sites on Navajo Nation and other Tribal lands (Campaign #2) and begin project planning for inventorying mines on private property (Campaign 3). More specifically, the increase will support a dedicated field team to inventory mines located on Navajo Nation and other Tribal lands. It will also provide the ability to mitigate physical safety hazards at DRUM sites on public and Tribal lands. Physical hazards are numerous and recognized as an immediate threat to public health and safety.

Additionally, this activity includes supporting functions such as the Applied Studies and Technology (AS&T) program incorporating advances in science and technology to improve LTS&M capabilities; increase understanding of sites to design remedy repairs, and more effectively remediate and manage contaminated groundwater; enhance Environment, Safety, Health, and Quality (ESH&Q) and emergency management programs that are structurally integrated into the daily operations of LM's programs and projects. ESH&Q also administers LM's science-based Environmental Management Systems (EMS) for maintaining environmental compliance and sustainably managing LM sites.

A related cost, directly supporting this activity and embedded within LTS&M site-specific costs, is safeguards and security for LM properties. The costs include protective forces and physical security systems, as follows (in whole dollars): FY 2021 -

\$131,000; FY 2022 - \$131,000; and FY 2023 - \$145,000. The cost is derived from protective forces and physical security systems integral to the LTS&M strategies for the Weldon Spring (Missouri) and Fernald (Ohio) sites.

Archives and Information Management (AIM)

This activity includes LM's custodianship of legacy physical and electronic records for LM sites, such as major closure sites at Fernald, Mound, Weldon Spring, and Rocky Flats, as well as the records of the history of DOE and its predecessor agencies in support of the DOE Office of the Historian, recently transferred to LM. Additionally, this activity involves the management and security of LM's information technology (IT) infrastructure requirements. The major objectives of this activity include modernization of records management and geospatial information systems and continuous monitoring and enhancement of cyber security.

LM is responsible for approximately 119,000 cubic feet of physical records and approximately 4 terabytes of electronic records. LM's responsibility in this area includes management of the records and information systems (e.g., the Licensing Support Network) associated with the Yucca Mountain Project (YMP), in compliance with the Federal Records Act.

Within this activity, LM provides records management services for its active program elements and maintains legacy archives of inherited collections, including paper and electronic records and records in other media. Elements include records management policy and procedure development, planning, and development of oversight processes and actions that guide and govern physical and electronic records management operations, including preservation efforts for fragile or deteriorating records. Functions within this activity encompass operational records retention, records maintenance and use, records disposition processes, and activities to ensure proper documentation and validation of LM's environmental protection and compliance with hazardous waste disposition policies.

The activity includes responding to requests associated with the Freedom of Information Act, Privacy Act, and other information requests (e.g., DOE stakeholders processing claims associated with the Energy Employees Occupational Illness Compensation Program Act). LM currently receives approximately 1,800 requests for information each year.

This activity also provides LM's environmental data, information management, and technology solutions for mission needs. This work involves the coordination of information collection, storage, preservation, dissemination, and destruction as well as managing the policies, guidelines, and standards regarding information and data management. LM maintains its own IT infrastructure – including maintaining functional equipment, operating systems, and software capable of accessing electronic records; providing planning, design, and maintenance of an IT infrastructure to effectively support automated needs (e.g., platforms, networks, servers, printers, etc.); and providing IT security for LM's unclassified computing networks. Specific accomplishments will include advancing the maturity of LM's enterprise geospatial information system to facilitate compliance with several statutes to include the Foundations for Evidence-based Policymaking Act of 2017 and the Geospatial Data Act of 2018. Additionally, this activity will provide database enhancements for the DRUM sites and added storage/manipulation of increasing drone-related data documenting a baseline aerial survey for future use in the early detection of changes in site disposal cell performance.

This funding request will support the modernization of the Geospatial Environmental Mapping System (GEMS) using commercial off-the-shelf software tools to ensure the long-term sustainability and operability of a critical mission and stakeholder outreach support system. Additionally, the request will support implementation of Executive Order 14028, Modernizing Federal Government Cybersecurity, by deploying and implementing new Continuous Diagnostics and Mitigation (CDM) and Endpoint Detection and Response (EDR) tools to improve the monitoring, detection, and response to various cyber-attacks and incidents across LM networks. Other EO 14028 implementing measures include enhancing software supply chain risk assessment capability and furthering the transition from IPv4 to IPv6 internet protocols across the LM networks. Additionally, the increase will enable LM to move toward compliance with OMB Memorandum M-22-09 (Develop a Zero Trust Architecture) by moving toward implementation of Zero Trust Cybersecurity Principles.

IT security involves all processes and activities pertaining to the securing of Federal data and systems through the creation and definition of security policies, procedures, and controls covering such services as identification, authentication, and non-repudiation in accordance with Federal Information Processing Standards (FIPS) and the Federal Information Security

Modernization Act of 2014. The cost of the embedded cyber security and information security functions are as follows (in whole dollars): FY 2021 - \$1,248,000; FY 2022 - \$1,248,000, and FY 2023 - \$1,449,000

Legacy Benefits (formerly Pension and Benefit Continuity)

This activity fulfills the Department's commitment to former contractor employees who previously worked at sites prior to closure. For sites that have been closed, following the end of active programs and completion of site remediation, LM is responsible for ensuring former contractor employees, their dependents, and their beneficiaries receive the pensions and post-retirement benefits (PRB) that are part of the contractual agreements for the respective sites. Dependent upon the contract provisions for the respective sites, LM funds the contractor cost of providing retirement benefits to former contractor employees. These retirement benefits include pension plans, health insurance, health reimbursement account stipends, Medicare Part B reimbursement, and life insurance.

In FY 2023, LM will continue to support the administration of PRB (healthcare and insurance) for the following sites: Fernald (Ohio), Grand Junction (Colorado), Mound (Ohio), Paducah (Kentucky), Pinellas (Florida), Portsmouth (Ohio), and Rocky Flats (Colorado). There are more than 10,000 participants, including spouses, covered under the retiree medical plans. The total number of participants in these plans decreases over time, due to a closed participant population and normal mortality. The FY 2023 request includes funding to meet these requirements.

Asset Management (AM)

LM manages a portfolio of more than 60,000 acres of land and other assets. This activity focuses on management of those acres and other assets in support of the LM mission including: the administration of fleet, personal property and aviation management; awarding and administering leases to house programmatic functions; facility management and security of owned and leased facilities; infrastructure management; emergency management, and the beneficial reuse or transfer of real and personal property to other agencies, underserved communities, or public/private interests. Disposition of excess assets to non-DOE ownership is a priority. Disposing land to an underserved community or public/private interest allows the land to be reused productively, reduces the Department's "footprint" of the Cold War legacy, and enables resumption of local property taxes. LM has disposed of more than ten properties since being created in FY 2004 and continues to evaluate assets for future property disposition.

This activity also includes management of lease tracts for royalties paid to the U.S. government from production on U.S. Bureau of Land Management (BLM) managed lands in Colorado. Lease management continues to strengthen LM's ability to demonstrate responsible lifecycle mining, supports the production of critical minerals, and provides a domestic supply of uranium and vanadium, vital to U.S. national and energy security. Leases include the option for reclamation in lieu of royalties, which allows lessees to perform reclamation activities of legacy or pre-law abandoned mine sites on the lease tracts in lieu of annual royalty payments. Additionally, this activity includes stewardship and preservation responsibilities under § 3061010 of the National Historical Preservation Act (NHPA).

In addition to supporting the activities above, the request will also support the sustainment and repair activities at the LM Grand Junction, Colorado Field Support Center annex, as well as projects required to modernize 1950's era site infrastructure. Additionally, the request will support sustainment and climate resilience activities at leased and owned properties such as the Regenerative Grazing Study at the Shirley Basin South site in Wyoming. The study aids in the discovery of potential enhanced land management practices that will promote healthier vegetation and ecological systems along with combating climate change by enhancing climate mitigation efforts and providing key climate science information. Finally, this request will support the modernization of LM fleet vehicles and infrastructure in response to the electrification of fleet.

A related cost directly supporting this activity within program-wide asset management costs is safeguards and security for LM properties and emergency management. The costs include protective forces, physical security systems, personnel security, information security, and program management, as follows (in whole dollars): FY 2021 - \$1,054,000; FY 2022 - \$1,054,000; and FY 2023 - \$1,081,000

Education, Communication, History, and Outreach (ECHO)

LM's success depends on connecting and effectively communicating with the public, other government organizations, and Tribal Nations. Accordingly, ECHO provides the integral activities for proactive outreach to the public, intergovernmental collaboration, and effective dialogue with state and local partners, and Tribal Nations connected to LM's mission. Additionally, to ensure that important information is shared consistently across the broad spectrum of LM's public, intergovernmental, and Tribal Nations, ECHO continuously enhances vertical integration of outreach activities within the organization. Together these activities ensure Tribal Nations are consulted and stakeholders are involved and informed of LM's long-term solutions.

ECHO's consultation with Tribal Nations includes working with the State and Tribal Government Working Group (STGWG), and an array of Native American and Alaska-Native officials who share our commitment to long-term monitoring and surveillance. ECHO's FY 2023 request will support outreach requirements consistent with E.O. 13985.

In addition to supporting activities mentioned above, the FY 2023 request supports the integration of public participation specialists to each of the site operations teams. The integration of public participation specialists will help ensure outreach and communication proactively addresses the questions or concerns of affected communities.

Environmental Justice

Foundationally, this activity includes administration of the Department's Environmental Justice (EJ) mission in accordance with E.O. 12898, "Federal Actions to Address Environmental Justice in Minority and Low-Income Populations." E.O. 12898 required agencies to make achieving EJ part of its mission. Accordingly, EJ activities are centered around meaningfully increasing community involvement and participation in the decision-making processes. These foundational EJ activities include EJ and Tribal training, education, and internships; EJ community-driven activities; capacity building; public participation; agency, public, private industry partnerships; and fostering opportunities for minority populations, low-income populations, and American Indian and Alaska Natives. An example of EJ fostering opportunities includes the administration of the DOE EJ Mentors for Environmental Scholars (MES) Program, a summer internship providing exposure to laboratory research in Science, Technology, Engineering, and Mathematics (STEM) education programs. The MES program actively recruits qualified undergraduates from Historically Black Colleges and Universities, Tribal Colleges, Hispanic Serving Institutions, and other Minority Serving Institutions (MSIs) for extension training that will pilot them toward gainful employment in various research and management positions within DOE.

The FY 2023 request will begin strengthening EJ activities and expanding the scope of engagement to a broader set of stakeholders using current models of implementation. To strengthen EJ activities and reach a larger number of stakeholders, the EJ program will work with Tribal Nations and existing partners to expand community outreach, public participation, and environmental education. Additionally, the EJ program will utilize multiple outreach tools to establish new partnerships and engagement. For example, some of these EJ activities will include enhancing university-related programs in areas such as building the skills, resources, and knowledge within engineering and science academic researchers to conduct research and development in service of environmental and energy justice communities; expanding outreach to MSIs; and establishing new activities for an EJ training program with the National Institute of Environmental Health Sciences; and assist rural and other historically underserved communities in accessing much needed resources to improve their economic viability, health, environmental conditions, and overall quality of life.

In addition to its foundational activities, EJ activities includes equity and energy justice activities consistent with E.O. 13985 and 14008. An example of these activities includes the participation in eight or more STEM events on the Navajo Nation. Participation includes in-person and virtual demonstrations of a variety of hands-on activities for students that promote STEM careers.

**Legacy Management
Activities and Explanation of Changes**

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Long-Term Surveillance and Maintenance- \$66,414,000	\$72,406,000	+\$5,992,000
<ul style="list-style-type: none"> • Accept responsibility for surveillance and maintenance of 103 sites by the end of FY 2022. • Conduct transition actions for sites prior to their transfer to LM. • Continue to support an interagency effort to inventory and safeguard defense-related uranium mines on public and Tribal lands. • Support major maintenance and repair projects. 	<ul style="list-style-type: none"> • Accept responsibility for surveillance and maintenance of 106 sites by the end of FY 2023. • Conduct transition actions for 17 sites prior to their transfer to LM. • Continue to support an interagency effort to inventory and safeguard defense-related uranium mines on public and Tribal land. • Support major maintenance and repair projects. 	<ul style="list-style-type: none"> • Transition activities regarding the transfer of over 20 new sites in the next 5 years. • Enhance human health and environmental protections of disadvantaged communities by executing major maintenance and repair at LM sites such as Rocky Flats, Colorado and Amchitka, Alaska. • Provide dedicated DRUM field team for inventorying, risk screening, and safeguarding of defense-related uranium mines located on Navajo Nation and other Tribal lands.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Archives and Information Management- \$20,347,000	\$24,075,000	+\$3,728,000
<ul style="list-style-type: none"> • Continue records/IT management functions for all sites and activities. • Accept responsibility for records/IT for sites transferred to LM during the fiscal year. • Continue to preserve Yucca Mountain Project records and information systems in compliance with the Federal Records Act. • Restoration and modernization of records management systems. 	<ul style="list-style-type: none"> • Continue records/IT management functions for all sites and activities. • Accept responsibility for records/IT for sites transferred to LM during the fiscal year. • Continue to preserve Yucca Mountain Project records and information systems in compliance with the Federal Records Act. • Restoration and modernization of records, environmental, and geospatial data management systems. 	<ul style="list-style-type: none"> • Additional archives and information management activities at 3 new sites, • Modernize the Geospatial Environmental Mapping System (GEMS) to ensure long-term sustainability and operability, • Advance the maturity and sustainability of the enterprise geospatial information system to facilitate compliance with several statutes, and • Implement Continuous Diagnostics and Mitigation (CDM) and Endpoint Detection and Response (EDR) tools to improve the monitoring, detection, and response to cyber-attacks and incidents.
Legacy Benefits- \$37,224,000	\$46,400,000	+\$9,176,000
<ul style="list-style-type: none"> • Continue to reimburse contractor costs for PRB administration for seven sites. • Continue efforts to reduce DOE's liabilities for retiree PRB while maintaining commitments to DOE's legacy contractor workforce. 	<ul style="list-style-type: none"> • Continue to reimburse contractor costs for PRB administration for seven sites. • Continue efforts to reduce DOE's liabilities for retiree PRB while maintaining commitments to DOE's legacy contractor workforce. 	<ul style="list-style-type: none"> • FY 2023 increase will fund required levels for management of retirements benefits per the actuary recommendations.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Asset Management- <p style="text-align: right;">\$12,196,000</p>	<p style="text-align: right;">\$14,162,000</p>	<p style="text-align: right;">+\$1,966,000</p>
<ul style="list-style-type: none"> • Initiate asset management support for incoming sites. • Continue infrastructure and facilities management at LM sites and Departmental properties. • Continue to increase and manage beneficial reuse initiatives at sites available for reuse. • Establish public land withdrawals with the Department of the Interior that are associated with incoming sites. • Management of program’s aviation activities and requirements. • Management of the Minerals Leasing Program. • Continue activities towards DOE’s stewardship and preservation responsibilities under § 3061010 NHPA. 	<ul style="list-style-type: none"> • Initiate asset management support for incoming sites. • Continue infrastructure and facilities management at LM sites and Departmental properties. • Continue to increase and manage beneficial reuse initiatives at sites available for reuse. • Establish public land withdrawals with the Department of the Interior that are associated with incoming sites. • Management of program’s aviation activities and requirements. • Management of the Minerals Leasing Program. • Continue activities towards DOE’s stewardship and preservation responsibilities under § 3061010 NHPA. • Manage the expansion of real property requirements at LM Field Support Center and the LM Operations Center and other Departmental properties. • Recapitalization of the LM Field Support Center in Grand Junction, Colorado, • Climate resiliency and sustainability at leased and owned properties such as the Regenerative Grazing Study at the Shirley Basin South site in Wyoming, and • Modernization of fleet vehicles and infrastructure to support electrification of fleet. 	<ul style="list-style-type: none"> • Recapitalization of the LM Field Support Center in Grand Junction, Colorado, • Climate resiliency and sustainability at leased and owned properties such as the Regenerative Grazing Study at the Shirley Basin South site in Wyoming, and • Modernization of fleet vehicles and infrastructure to support electrification of fleet.

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Education, Communications, History, and Outreach- \$4,124,000	\$4,553,000	+\$429,000
<ul style="list-style-type: none"> Continue to increase stakeholder awareness and engage the public. 	<ul style="list-style-type: none"> Continue to increase stakeholder awareness and engage the public. Support outreach requirements regarding Executive Order 13985. 	<ul style="list-style-type: none"> Support outreach requirements regarding Executive Order 13985.
Environmental Justice- \$2,492,000	\$12,567,000	+10,075,000
<ul style="list-style-type: none"> Continue EJ functions as the Departmental focus for that program element. Promote EJ functions in the communities affected by DOE closure actions. 	<ul style="list-style-type: none"> Continue EJ functions as the Departmental focus for that program element. Promote EJ functions in the communities affected by DOE closure actions. Enhance education and Science, Technology, Engineering, and Mathematics (STEM) outreach activities. Strengthen foundational EJ activities and expand the scope of engagement to a broader set of stakeholders. Support equity and energy justice requirements according to Executive Order 13985. 	<ul style="list-style-type: none"> Enhance education and Science, Technology, Engineering, and Mathematics (STEM) outreach activities to meet the community demands and operational requirements of 3 interpretive centers. Strengthen foundational EJ activities and expand the scope of engagement to a broader set of stakeholders. Support equity and energy justice requirements according to Executive Order 13985.

Program Direction

Overview

The LM mission is carried out in the field by a workforce composed mainly of contractors paid from program funds. Oversight, policy, and inherently governmental functions (e.g., human capital, facility management, site management, contract administration, and budget management) are provided by a federal workforce funded from program direction. Program direction includes overhead costs associated with Federal personnel such as salaries, benefits, travel, training, administrative support services, DOE IT Services, and DOE Working Capital.

Highlights of the FY 2023 Budget Request

The request is an increase of \$1,721,000 from the FY 2021 Enacted level. The request includes supporting overhead costs for 80 Federal FTEs. Overhead support for Federal FTEs includes activities to implementation activities consistent with E.O. 14035 "Diversity, Equity, Inclusion, and Accessibility (DEIA) in the Federal Workforce." The increase will also support the proposed 4.6% cost-of-living increase to salaries and benefits for Federal FTEs.

**Program Direction
Funding (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
Washington Headquarters					
Salaries and Benefits	14,699	14,699	15,685	+986	+7%
Travel	230	230	750	+520	+226%
Support Services	2,615	2,615	2,725	+110	+4%
Other Related Expenses	2,718	2,718	2,823	+105	+4%
Total, Program Direction	20,262	20,262	21,938	+1,721	+8%
Federal FTEs	80	80	80	0	0
Support Services					
Management Support	2,615	2,615	2,725	+110	+4%
Total, Support Services	2,615	2,615	2,725	+110	+4%
Other Related Expenses					
Other Services and Supplies	607	607	651	+44	+7%
DOE IT Services	395	395	410	+15	+4%
Working Capital Fund	1,716	1,716	1,762	+46	+3%
Total, Other Related Expenses	2,718	2,718	2,823	+105	+4%

Program Direction

Activities and Explanation of Changes

FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs FY 2021 Enacted
Program Direction- \$20,262,000	\$21,983,000	+\$1,721,000
Salaries and Benefits- \$14,699,000	\$15,685,000	+\$986,000
<ul style="list-style-type: none"> • Continue functions to execute LM’s mission and achieve LM’s program goals. • Maintain a level of 80 Federal FTEs to meet the increased site management responsibilities such as addressing physical hazards posed by defense-related uranium mines. 	<ul style="list-style-type: none"> • Continue functions to execute LM’s mission and achieve LM’s program goals. • Maintain a level of 80 Federal FTEs to meet the increased site management responsibilities such as addressing physical hazards posed by defense-related uranium mines. • Provide 4.6% cost-of-living increase to salaries and benefits for 80 FTEs. 	<ul style="list-style-type: none"> • Funds proposed 4.6% cost-of-living increase.
Travel- \$230,000	\$750,000	+\$520,000
<ul style="list-style-type: none"> • Resume normal travel activities to support mission functions such as surveillance, maintenance, operations, and oversight at a growing number of closed sites. 	<ul style="list-style-type: none"> • Continue to resume normal travel activities to support mission functions such as surveillance, maintenance, operations, and oversight at a growing number of closed sites. 	<ul style="list-style-type: none"> • Support the program resuming normal mission-related traveling and additional travel demands related to increased site portfolio and field responsibilities (surveillance, monitoring, and transition responsibilities).
Support Services- \$2,615,000	\$2,725,000	+\$110,000
<ul style="list-style-type: none"> • Continue effort to prepare more analyses and reports with Federal staff. 	<ul style="list-style-type: none"> • Continue effort to prepare more analyses and reports with Federal staff. 	<ul style="list-style-type: none"> • For additional administrative services in support of operations and timely responses to data inquiries.
Other Related Expenses- \$2,718,000	\$2,823,000	+\$105,000
<ul style="list-style-type: none"> • Continue supporting individual development staff training, procurement of supplies, contributions to Working Capital Fund (WCF) and the energy IT support. 	<ul style="list-style-type: none"> • Continue supporting individual development staff training, procurement of supplies, annual lease agreements, program allocation of WCF and the energy IT support. 	<ul style="list-style-type: none"> • Increased mission related training, and • Increased WCF and DOE IT support cost.

**Legacy Management
Facilities Maintenance and Repair**

The Department’s Facilities Maintenance and Repair activities are tied to its programmatic missions, goals, and objectives. Facilities Maintenance and Repair activities funded by this budget are displayed below.

Costs for Direct-Funded Maintenance and Repair (including Deferred Maintenance Reduction) (\$K)

	FY 2021 Actual Cost	FY 2022 Planned Cost	FY 2023 Planned Cost
Office of Legacy Management Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Sites	2,981	4,725	4,905
Non-CERCLA Sites	964	1,099	1,042
Total, Direct-Funded Maintenance and Repair	3,945	5,824	5,947

This report responds to legislative language set forth in Conference Report (H.R. Conf. Rep. No. 108-10) accompanying the Consolidated Appropriations Resolution, 2003 (Public Law 108-7) (pages 886-887), which requests the Department of Energy provide an annual year-end report on maintenance expenditures to the Committees on Appropriations.

**Legacy Management
Safeguards and Security Crosscut (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted
Protective Forces	649	649	670	+21
Physical Security Systems	120	120	127	+7
Information Security	71	71	72	+1
Cyber Security	1,183	1,183	1,383	+200
Personnel Security	75	75	76	+1
Material Control and Accountability	0	0	0	0
Program Management	335	335	347	+12
Security Investigations	0	0	0	0
Transportation Security	0	0	0	0
Construction	0	0	0	0
Total, Safeguards and Security	2,433	2,433	2,675	+242

Highlights:

The total increase represents additional cyber security restoration and modernization requirements.

Office of Hearings and Appeals Program Direction

Overview

The Office of Hearings and Appeals (OHA) provides adjudicatory and conflict resolution services for DOE's programs so that disputes may be resolved at the agency level in a fair, impartial and efficient manner. OHA supports all DOE strategic goals, including management and operational excellence. The bulk of OHA work is defense-related and consists of the adjudication of security clearance cases that determine the eligibility of employees to have access to special nuclear material or classified information.

Within the Other Defense Activities Appropriation, OHA operates with three staffs: the Personnel Security and Appeals Division, the Employee Protection and Exceptions Division, and the Alternative Dispute Resolution Office (ADRO). In its continued development of its staff of attorneys and professionals, OHA has also sought to incorporate Diversity, Equity, Inclusion, Accessibility into its operational processes.

OHA offers fair, timely, impartial, and customer-friendly processes for adjudicating matters pursuant to regulatory authority or special delegation from the Secretary. Such matters include: (i) eligibility for a security clearance, (ii) whistleblower protection for employees of DOE contractors, (iii) Freedom of Information Act and Privacy Act appeals, (iv) relief from DOE product efficiency regulations to prevent special hardship, and (v) other matters that the Secretary may delegate. With respect to alternative dispute resolution, OHA's ADRO offers mediation and other services for a variety of matters.

Highlights of the FY 2023 Budget Request

The FY 2023 Budget Request supports a staff of 24 FTEs needed to accomplish OHA's primary mission of adjudicating security clearance cases, adjudicating exception relief from DOE product efficiency regulations, and providing ADR support for the Department.

**Program Direction
Funding (\$K)**

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request t vs FY 2021 Enacted Request (%)
Program Direction					
Salaries and Benefits	2,700	2,838	2,949	+249	+9%
Travel	82	50	50	-32	-39%
Support Services	100	100	100	0	0%
Other Related Expenses	1,380	1,368	1,378	-2	-1%
Total, Program Direction	4,262	4,356	4,477	+215	+5%
Federal FTEs	22	22	24	2	+9%
Support Services					
Legal Research Support	100	100	100	+5	+5%
Other Related Expenses					
Energy IT Services	185	173	150	-35	-19%
Working Capital Fund	1,100	1,100	1,128	+28	+3%
Total, Other Related Expenses	1,380	1,368	1,378	-2	-1%

Program Direction Activities and Explanation of Changes

	FY 2021 Enacted	FY 2023 Request	Explanation of Changes FY 2023 Request vs. FY 2021 Enacted
Program Direction	\$4,262,000	\$4,477,000	+\$215,000
Salaries and Benefits	\$2,700,000	\$2,949,000	+\$249,000
	<ul style="list-style-type: none"> Supports staffing level of 22 FTEs. 	<ul style="list-style-type: none"> Supports staffing level of 24 FTEs. 	<ul style="list-style-type: none"> Increase of 2 FTEs maintain OHA staffing requirements, 4.6% civilian pay raise, and FERS increase.
Travel	\$82,000	\$50,000	-\$32,000
	<ul style="list-style-type: none"> Supports travel to conduct security hearings and ADR training activities and services at DOE field locations. 	<ul style="list-style-type: none"> Continuation of FY21 activities. 	<ul style="list-style-type: none"> Decrease due to improved virtual training techniques since COVID -19 pandemic onset.
Other Related Expenses	\$1,380,000	1,378,000	-\$2,000
	<ul style="list-style-type: none"> Funding supports the Working Capital Fund (WCF), which provides for shared service costs and Departmental overhead expenses; Energy IT Services; and other services. 	<ul style="list-style-type: none"> Continuation of FY 2022 activities. 	<ul style="list-style-type: none"> No significant change.