

2017 Facility EMS Annual Report Data (DOE) - DOE-DOE/M&P/LM-Office of Legacy Management

EMS/Site Information	
Agency / Department	DOE
Sub-Agency/ Bureau/ Service/ Command	DOE/M&P/LM
Site/ Organization/ EMS Name	Office of Legacy Management
Description / Scope	The Office of Legacy Management (LM) has a mission to fulfill DOE's post-closure responsibilities at sites and ensures the protection of human health and the environment. In achieving the mission, LM is responsible for activities (environmental protection, information management, retiree benefits, land management, and community engagement) at sites where DOE's mission has ended and active environmental cleanup has been completed. The LM EMS encompasses these activities at or on the following: * all 92 LM sites in 28 states and the territory of Puerto Rico; * five radiometric calibration facilities in four states; * the Defense-Related Uranium Mines Program on federal public land managed by the U.S. Bureau of Land Management and the U.S. Forest Service; * the Uranium Leasing Program, which encompasses approximately 25,000 acres in 31 lease tracts located in southwestern Colorado; * the Legacy Management Business Center; and * 10 office locations in eight states. The LM EMS is a joint program that (1) applies to all LM federal personnel and the Legacy Management Support contractor [LMS] employees and (2) flows down through all contracts and subcontracts. All LM employees are considered Headquarters employees. Any work activity that could impact the environment and is within the area of influence of LM and LMS employees is considered to be within the scope of the EMS. The EMS covers approximately 505 federal and contractor employees as of the end of FY17. Further reference to LM in this document includes both LM and LMS employees. LM's EMS incorporates environmental considerations for each location into all aspects of the LM mission. The EMS helps maximize beneficial use of finite resources; minimize wastes and adverse environmental impacts; and meet or exceed compliance with applicable environmental, public health, and resource protection laws, regulations, and DOE requirements.
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ISO 14001 Registration	No
Date of Most Recent ISO Registration	
Other EMS Recognition in FY17	
Comments	

Section 1: EMS Performance Metrics

The metrics below represent EMS metric areas that will provide the basis for an evaluation of the performance of the EMS. Note that not all essential EMS elements are included in this reporting form. For each EMS metric area listed, reporting sites will select the applicable performance level that represents the status of the EMS with "A" being the highest score and "D" being the lowest score. The responses should reflect FY2016.

Click the "?" for performance criteria.

1. Environmental Aspects	A
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2. Environmental Objectives	A
3. Operational Controls	A
4. Compliance with Regulatory Requirements/ Corrective Actions	A
5. EMS/EO Goals Integration	A

Section 2: EMS/EO Goals Integration Worksheet

These sustainability goal areas may be covered by facilities or headquarters offices. Review and specify if the following E.O. 13693 sustainability goals are applicable and addressed in the EMS.

Instructions: Reporting sites will select Yes or No for site applicability to each goal area. If you select Yes, you will then be prompted to respond Yes or No to indicate if the applicable goal area has been addressed. If you select No, it means that 1) the aspect or ability to meet that goal does not exist at the organization/facility and/or 2) the goal is fully addressed at a different level of the organization, is fully addressed outside the EMS, or has been fully addressed through prior EMS objectives. For FY17, if "No" is selected, you will be required to briefly explain which situation applies.

The resulting calculation (at the bottom of the worksheet) is used to determine the A, B, C or D score for EMS Performance Metric Area no. 5 in Section 1.

Goal 1 - GHG Reduction

Goal Objectives

- Reduce Scope 1 GHG emissions and/or
- Reduce Scope 2 GHG emissions and/or
- Reduce Scope 3 GHG emissions

Goal 1 Applicable?	Yes
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Goal 1 Addressed?	Yes
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Goal 2 - Sustainable Buildings

Goal Objectives

- Reduce building energy consumption and intensity and/or
- Meter buildings for electricity, natural gas, steam and/or water and/or
- Build new buildings as, or convert existing building to be, compliant with the *Guiding Principles for Sustainable Federal Buildings and Associated Instructions* and/or
- Build new buildings as, or convert existing buildings to, net zero energy/water/waste

Goal 2 Applicable?	Yes
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Goal 2 Addressed?	Yes
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Goal 3 - Clean & Renewable Energy

Goal Objectives

- **Increase the use of clean energy and/or**
- **Increase the use of renewable energy**

Goal 3 Applicable?	Yes
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Goal 3 Addressed?	Yes
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Goal 4 - Water Use Efficiency & Management

Goal Objectives

- **Reduce potable water consumption and intensity and/or**
- **Reduce industrial, landscaping, and agricultural water consumption and/or**
- **Identify, promote, and implement water reuse strategies and/or**
- **Improve storm water and wastewater management**

Goal 4 Applicable?	Yes
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Goal 4 Addressed?	Yes
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Goal 5 - Fleet Management

Goal Objectives

- **Reduce petroleum use and/or**
- **Increase alternative fuel consumption and/or**
- **Reduce fleet per-mile GHG emissions and/or**
- **Increase acquisition of alternative fuel, zero emission, and/or plug-in hybrid electric vehicles and/or**
- **Support fleet right-sizing and optimization**

Goal 5 Applicable?	Yes
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Goal 5 Addressed?	Yes
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Goal 6 - Sustainable Acquisition

Goal Objectives

- **Promote progress on federal sustainable acquisition requirements and goals and/or**
- **Ensure applicable contracts contain BioPreferred and biobased criteria and/or**
- **Ensure compliance for printing and writing paper purchases containing at least 30 percent postconsumer recycled content and/or**
- **Reduce supply chain emissions and incorporate criteria or contractor requirements into procurements**

Goal 6 Applicable?	Yes
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Goal 6 Addressed?	Yes
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Goal 7 - Pollution Prevention & Waste Reduction

Goal Objectives

- **Promote pollution prevention and non-hazardous solid waste reduction through elimination, source reduction, and recycling**
and/or
- **Divert construction and demolition materials and debris**
and/or
- **Reduce the toxic and hazardous chemicals acquired, used, sold and disposed of**
and/or
- **Eliminate, reduce, or recover refrigerants and other fugitive emissions**
and/or
- **Implement integrated pest management and improved landscape management practices**
and/or
- **Reduce purchase of, and improve management and disposal of HFCs**

Goal 7 Applicable?	Yes
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Goal 7 Addressed?	Yes
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Goal 8 - Energy Performance Contracts

Goal Objectives

- **Utilize performance contracting to meet identified energy and water efficiency and management goals**

Goal 8 Applicable?	Yes
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Goal 8 Addressed?	Yes
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Goal 9 - Electronic Stewardship & Data Centers

Goal Objectives

- **Ensure acquisition of sustainable electronic products (e.g., Electronic Product Environmental Assessment Tool (EPEAT)-registered products; ENERGY STAR certified and low standby power)**
and/or
- **Enable power management, automatic duplexing, and other energy efficient or sustainable electronics features**
and/or
- **Ensure environmentally sound electronics disposal at end of life**
and/or
- **Implement data center metering and improve efficiency, as measured by data center power usage effectiveness (PUE)**

Goal 9 Applicable?	Yes
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Goal 9 Addressed?	Yes
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Goal 10 - Climate Change Resilience

Goal Objectives

- **Identify and address projected impacts of climate change on mission critical water, energy, communication, and transportation demands and/or**
- **Incorporate climate resilient-design and management elements into the operation, repair, and renovation of existing agency buildings and the design of new agency buildings and/or**
- **Update policies, procedures, protocols and programs to reflect the impacts of climate change**

Goal 10 Applicable?	Yes
Goal 10 Addressed?	Yes

Goal Area Scoring

Total No. Goals Addressed	10
Total No. Goals Applicable	10
Goal Areas Score	100.0%

Use the percentage calculated above to determine the score for EMS Performance Metric no. 5 in Section 1.

Section 3: EMS Scoring

Site Score	Green
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Section 4: EMS Experiences


EMS Best Practices	<p>* LM participates in regularly scheduled meetings with various stakeholders to provide status updates on sites of interest to them and constantly works to improve its external communication toolbox. LM participation in public information meetings enhances transparency and improves external communication. * LM regularly posts programmatic reports that provide site statuses to its public website. In addition, LM sends its "Program Update" newsletter to more than 14,000 stakeholders quarterly. * LM's Ecosystem Management Team formed early in FY2017. The team allows ecologists and managers from a variety of LM sites to communicate more frequently and effectively; encourages the sharing of ecological project ideas, technical issues, and problem solutions; and provides a forum for interaction between LM and LMS staff. Ecosystem Management Team members implemented several best management practices (BMPs) associated with improving pollinator habitats, including: (1) seeding native, pollinator-friendly plant species during reclamation activities and (2) removing invasive, nonnative species on four new LM sites. In summary, pollinator-friendly BMPs have now been implemented on a total of 2565 acres on 28 sites.</p>
EMS & Mission Effectiveness	<p>* LM conducts and tracks site inspections to identify potential issues early and take actions to ensure continued protection of human health and the environment through effective and efficient long-term surveillance and maintenance. * The LMS Environmental Compliance group is integrated into program and project implementation from planning through completion to help ensure activities are performed so that safety of the public and protection of the environment is maintained. * The Ecosystem Management Team members supported one of LM's "stretch goals" of placing 100% of LM-owned or LM-managed properties into beneficial reuse by implementing a number of new conservation projects and also by considering broadening the "conservation reuse" definition to include properties on which noxious weed control was</p>

	performed. These new conservation reuses, along with increases in educational community outreach and agricultural, industrial, and energy-related reuses helped LM increase its reuse rate from 42% to 98% between 2016 and 2017.
EMS Implementation Challenges	<p>* Because LM administers remediation and long-term care of 92 sites in 28 states and Puerto Rico, LM has an ongoing challenge to identify, interpret, and track applicable regulations and determine their impacts on its operations, both programmatically and for each site. These regulations can vary from state-to-state. This requires an ongoing effort to communicate the requirements of the EMS to a changing workforce of people that may have different information needs. * Achieving sustainability goals is an ongoing challenge in the face of full-implementation or expanding mission. Recent mission expansion, such as the Defense-Related Uranium Mines Program, or an anticipated restart of the Uranium Leasing Program will increase the LM activities that are subject to the sustainability goals. Additionally, LM expects to receive approximately 26 additional sites by 2025, as DOE, U.S. Army Corps of Engineers and private uranium mill licensees complete environmental remediation efforts and sites close. As LM receives more sites and additional scope, LM will increase workers, office space, vehicles, travel, fuel consumption, and personal property and generate more waste. Conditions at transfer could vary greatly from site to site, making it challenging to predict their impact on meeting the sustainability goals and targets. LM will monitor the impacts to meeting sustainability goals and targets and related funding as new sites are added and scope increases and adjust its EMS accordingly.</p>

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