The U.S. Department of Energy Long-Term Stewardship Working Group



Presenter

Communication and Education

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What is the LTSWG?

The U.S. Department of Energy (DOE) Long-Term Stewardship Working Group (LTSWG) is a cross-program organization established by the DOE Office of Environmental Management (EM), DOE Office of Legacy Management (LM), and National Nuclear Security Administration (NNSA) to address national and cross-cutting, site-level Long-Term Stewardship (LTS) activities and issues.

LTSWG Mission

To develop tools and provide recommendations to DOE leadership to foster a collaborative, consistent approach to LTS planning and execution across the DOE enterprise.



LTSWG Goals

Collaborate on high-priority LTS topics of interest

Leverage contacts

Align strategies



Foster communication across DOE offices and with other federal agencies, states, tribes, stakeholders, and communities

Share best practices and lessons learned

Make recommendations to decision makers to resolve issues



LTSWG Committees

- LTSWG Committee Development
 - Temporary Committee Short-Term Objectives
 - Permanent/Standing Committee Long-Term Objectives
 - Committees composed of six to nine members

- Current LTSWG Committees
 - 1. Site Transfer Best Practices
 - 2. Information Management/GIS
 - 3. Communications and Education





Site Transfer Best Practices Committee

 Develop a consistent approach for LTS site transfers and stewardship that addresses best practices and lessons learned by reviewing existing LTS documents and practices utilized by DOE program offices

Sites Transferring from EM and NNSA to LM through 2050

Site	Transferring Organization	Projected Year
Kansas City Plant, MO, Site	NNSA	2026
East Tennessee Technology Park, TN, Site (Oak Ridge)	EM	2028
Moab, UT, Disposal/Processing Site	EM	2035
Portsmouth, OH, Site	EM	2041
West Valley, NY, Site	EM	2041
Energy Technology Engineering Center, CA, Site	EM	2044



Site Transfer Best Practices Committee – Year 1 Activities

- Reviewed existing LTS policies, procedures, guidance, and lessons learned
- Developed recommendations for improvements
- Performed analysis of the Site Transition
 Framework (STF) and Terms and Conditions (T&C)
 documents between EM and LM, EM and NNSA,
 and EM and DOE Office of Science to identify
 similarities and gaps
 - Recommendation: Create one updated document for all Program Secretarial Offices (PSOs)
- Created tools for transition managers
 - Sample site transition plan outline, STF checklist template, draft transition work breakdown structure

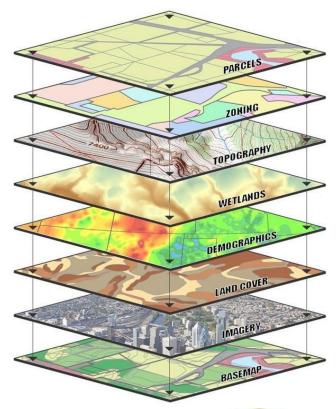
Path to a Site Transition Plan





Information Management/GIS Committee

- Develop and recommend common approaches to information management
- Initial focus on GIS data collection and platforms for sites transitioning to LTS, including best practices for sharing site-level cleanup information through GIS
- Survey available information, platforms in use, and internal and public access to information across organizations
- Recommend actions to better align practices and improve system compatibility
- Identify lessons learned related to GIS for site transitions
- Improve the interoperability of geospatial data to improve the costeffectiveness of site transitions





DOE LM **Enterprise GIS**

Roadmap 2020-2023

 Data Quality Improvement Standards and Governance Stakeholder Engagement Configuration Change Management Communication and Training

Performance Monitoring

· Leadership Reporting

Continuous items throughout the Roadmap

2020

Build Geospatial Team Adapt Spatial Data Standards Create Enterprise Database Schema Consoldate Raster Data Participate in Data Governance

Implement Configuration Change Management Perform Coordinate System Conversion Migrate Data to Staging Databases Design Database Roles and Access Develop Geospatial Data Quality Standard Develop Data Collection Standards

Q3

Create BIM Standards Document Organize LM Geospatial Working Group Create Public Data Sharing SOP Dasign GIS & CAD Data Crosswalks Document GIS System Architecture Update Work Request System

Publish Raster Geospatial Data Discover Portal Requirements by Program Develop a Geospatial Data Governance Plan Develop Data Sharing Framework Update Geospatial Data Transition Package Develop Program Communication Plan

2021

Update AGOL Guidelines & Best Practices Deploy AGOL for External Agencies and Public Manage Geospatial Software Portfolio Generate Portal Content for Information Management Manage Field Data Collection Equipment

Generate Portal Content for Environmental Management

Leverage ITM Configuration Change Process

Generate Portal Content for Emergency Management

Develop Annual Geospatial Data Maintenance Plan

Establish Data Quality Objectives Assess Condition of Existing Geospatial Data Update Geospatial Portal Guidelines Develop Data Collection/Content Specifications Generate Portal Content for Asset Management Deploy the Geospatial Portal for DOE LM

Migrate Data to Enterprise Geodatabase Develop Enterprise GIS Database Dictionary Update Existing Portal Configuration Generate Portal Content for Site Management Procure Software, Hardware, Network Design and Develop AGOL Configuration

2022

Conduct a Geospatial Data Gap Analysis Administer DOE LM Site on AGOL Identify Opportunities to Share LM Data

Develop Decision Process Model Actively Engage DOE Leadership Identify Advanced Tools and Technologies

Integrate Additional LM Systems with GIS: Additional Data and Metadata Updates

Q3

Q4

2023

Perform Edits to Clean Up Existing Data Develop a Data Acquisition/Collection Schedule Develop Tools to Automate Workflows Replace Required GEMS Functionalty Participate in DOE Governance Groups

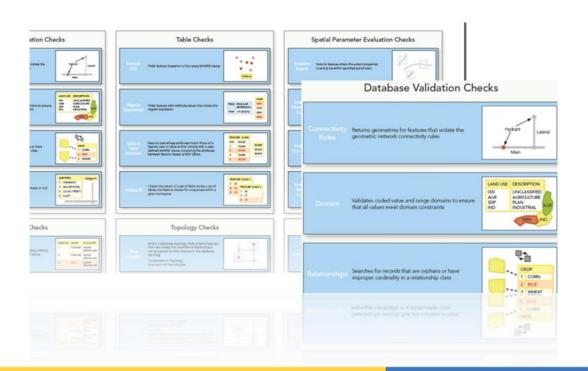
identify Additional LM Geospatial Needs Enhance Self-Service Capabilities integrate Other LM Systems with GIS

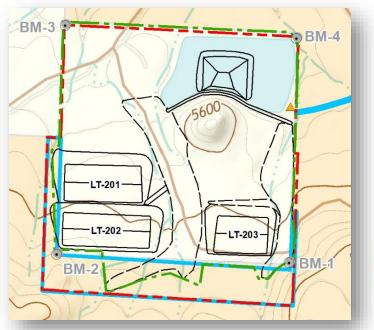
Finish Actions in progress



Information Management/GIS Committee: Year 1 Activities

- Surveyed available information, platforms in use, and internal and public access to information across organizations
- Identified and evaluated lessons learned related to GIS for site transitions
- LM presented its Geospatial Data Governance Plan (GDGP) to LTSWG members to further discussion on data-management standards







Communications and Education Committee

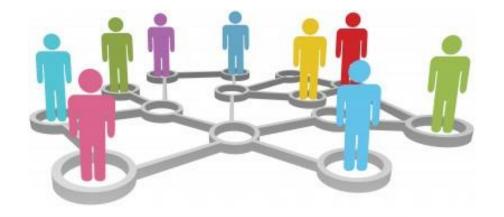
- Execute the strategy for internal and external communications
- Coordinate communication, education, and outreach on DOE LTS status to enable productive exchanges of information with other federal agencies, states, tribes, stakeholders, and communities



- Develop, gather approvals, and distribute a newsletter outlining progress made by LTSWG
- Coordinate logistics for LTSWG conferences and meetings as well as other conferences and meetings that involve LTSWG representatives
- Develop communications products, such as a LTSWG newsletter, e-mail distributions, social media posts, etc.

Communications and Education Committee: Year 1 Activities

- Reviewed lessons learned as well as comments and previous communications with stakeholders
 - Performed analysis to identify where improvements could be made and what topics stakeholders were most interested in
- Gathered information from LTSWG members on what forms of communications would be most valuable to their organizations
- Developed a communications plan specific to LTSWG





Upcoming Activities

Site Transfer Best Practices Committee

- Draft T&C expected for LTSWG review
- More tools and templates: project charter template, annotated site transition plan template, suggested RASCI matrix

Information Management/GIS Committee

- Expand survey to understand data management across PSOs
- Continue to communicate standard approaches to data management

Communications and Education Committee

- Update existing DOE LTS webpage annually
- Provide public communications (e.g., fact sheets, newsletters) on DOE LTS activities



Long-Term Objectives

- Share best practices and lessons learned related to LTS
- Identify and leverage innovative technologies for LTS
- Identify and leverage the knowledge, skills, and technology needed to address emerging issues in LTS and refinements in remedies
- Foster a working environment that encourages communication and collaboration across DOE related to LTS
- Improve the information available for strategic decision making through discussion of critical issues related to LTS
- Provide guidance on incorporating Closure for the Seventh Generation recommendations into LTS planning and implementation
- Coordinate communication, education, and outreach on DOE LTS status to enable productive exchanges of information with other federal agencies, states, tribes, stakeholders, and communities



Questions



