

## Beneficial Reuse Program

### Program Overview

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) mission is to fulfill DOE's post-closure responsibilities and ensure the future protection of human health and the environment. Sustainably managing and optimizing the use of land and assets by putting legacy sites into beneficial reuse supports LM's mission. LM considers multiple environmentally sound land uses for properties under its custody, and, where possible, makes properties available for government, public, and private use.

The Beneficial Reuse Program promotes the productive use of LM-managed sites and assets that no longer serve a DOE mission after remediation while protecting human health and the environment. In 2017, LM developed a *Beneficial Reuse Management Plan* that outlines types of reuse, goals and objectives of the program, criteria, metrics, and planning of reuse activities. LM reviews land holdings periodically, and upon sites' transition into its program, assesses and identifies beneficial reuse opportunities. LM also continually looks for opportunities to partner with other groups or agencies to identify and support potential reuse opportunities.

### Types of Reuse

LM has identified seven categories of beneficial reuse that may be considered for LM sites. LM will consider, evaluate, and potentially implement multiple reuses at its sites. LM's preferred option is to transfer the land to another party to reduce its overall land inventory and minimize long-term surveillance and maintenance (LTS&M) costs. However, many LM sites are not suitable for transfer because of the nature of the contaminants and regulatory- or statutory-imposed restrictions regarding land use. For those sites, LM evaluates other types of reuse opportunities that might enhance a site's

value and performance consistent with the LTS&M plan. Not all LM sites are suitable for beneficial reuse at the time of closure, but as communities change and technologies advance, new options for beneficial reuse may become available.

LM works with federal, state, and local community leaders, nonprofit organizations, city planners, and other members of the public to identify appropriate uses of land that will be compatible with current site conditions and with LM's LTS&M obligations and responsibilities.

The categories of reuse are as follows:

#### Disposal

Disposal is the permanent transfer of DOE real property assets to a third party who then has rights to control, use, or relinquish the property. Either a portion of a site or an entire site can be disposed.

#### Energy-related

Some LM sites are used for on-site or off-site energy-related activities, including solar photovoltaic, wind, biomass, landfill gas, waste-to-energy, and geothermal.

#### Conservation

LM's conservation reuse includes activities supporting natural resource protection, habitat development and enhancement, and wildlife management options at LM sites. Conservation reuse includes areas where a proactive measure has been implemented to create, restore, protect, or enhance a habitat. Currently, LM manages a number of sites that have various conservation reuses such as protection of endangered or listed species (e.g., the Gunnison sage grouse). For these types of reuse, LM might partner with other federal, state, or private agencies.



Ecologists installed game cameras at the Rocky Flats, Colorado, Site to capture the elk using the wildlife corridor located on site.



LM has installed multiple solar-powered electric vehicle charging stations like the one seen here at the Fernald, Ohio, Site.

## Commercial and industrial

Redevelopment or adaptive reuses of LM sites means repurposing LM facilities or land for industrial use; redeveloping sites for commercial purposes such as a cell tower site, warehouse, or office space; or supporting redevelopment of a parcel of land through an agreement or partnership.

## Community reuse

Community reuse refers to the development of open space or recreational areas, or using sites for educational purposes or community-driven activities.

## Agricultural reuse

Agricultural reuse includes the use of LM sites for activities such as livestock grazing, hay production, and livestock improvements.

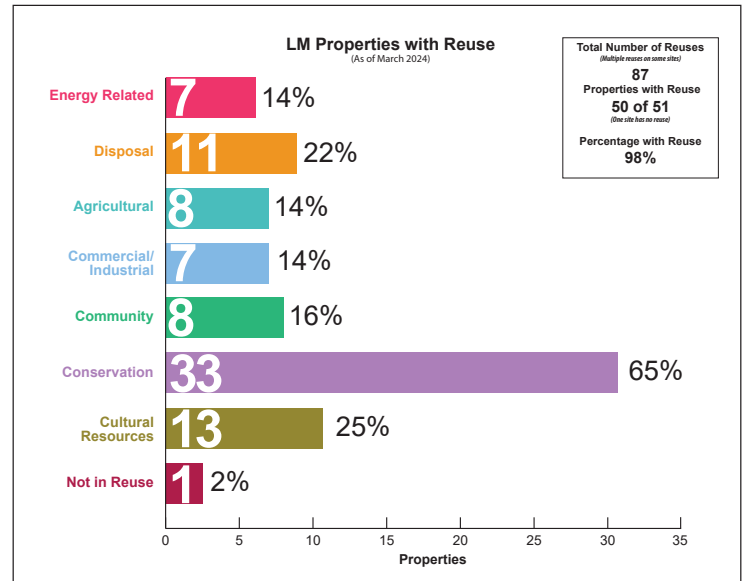
## Cultural resources

LM communicates the significant histories of its sites by means of signage, interpretive centers, listings on historic registers, and other informational devices.

## Awards and Achievements

LM has been recognized for its accomplishments in environmental restoration, remediation, conservation, and overall beneficial reuse. LM received a U.S. Environmental Protection Agency (EPA) National Federal Facility Excellence in Site Reuse Award in 2019 for the Fernald Preserve, Ohio, Site; in 2020 for the Weldon Spring Site, Missouri; in 2021 for both the Rocky Flats Site, Colorado, and the Grand Junction, Colorado, Processing Site/Riverfront at Las Colonias Park; and was again awarded in 2023 for the Middlesex South, New Jersey, Site. In addition to the Federal Facility Excellence in Site Reuse Awards, the U.S. Environmental Protection Agency awarded LM a Phoenix award for the Grand Junction, Colorado, Processing Site/Riverfront at Las Colonias Park. EPA gives Phoenix Awards to outstanding public, private, and nonprofit projects and professionals to recognize the progression of brownfields redevelopment over the past 20 years — brownfields redevelopment is restoring, renovating, revitalizing, and reusing contaminated property.

In 2023, U.S. Department of Energy Secretary Jennifer Granholm gave an Achievement Award to the LM Beneficial Reuse team. The Secretary of Energy's Achievement Award and Excellence Award are the highest forms of recognition for DOE federal and contractor employees and external partners. The awards are given to individuals and teams who go above and beyond in service to the country and make lasting impacts.



## CONTACT INFORMATION

### IN CASE OF AN EMERGENCY AT THE SITES, CONTACT 911.

Information about **Beneficial Reuse** is available at [www.energy.gov/lm/services/property-management/beneficial-reuse](http://www.energy.gov/lm/services/property-management/beneficial-reuse)

Contact: **Legacy Management Beneficial Reuse Asset Manager**

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For more information about LM activities, contact:

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DOE Office of Legacy Management  
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**(877) 695-5322** (toll-free)



[www.energy.gov/lm](http://www.energy.gov/lm)



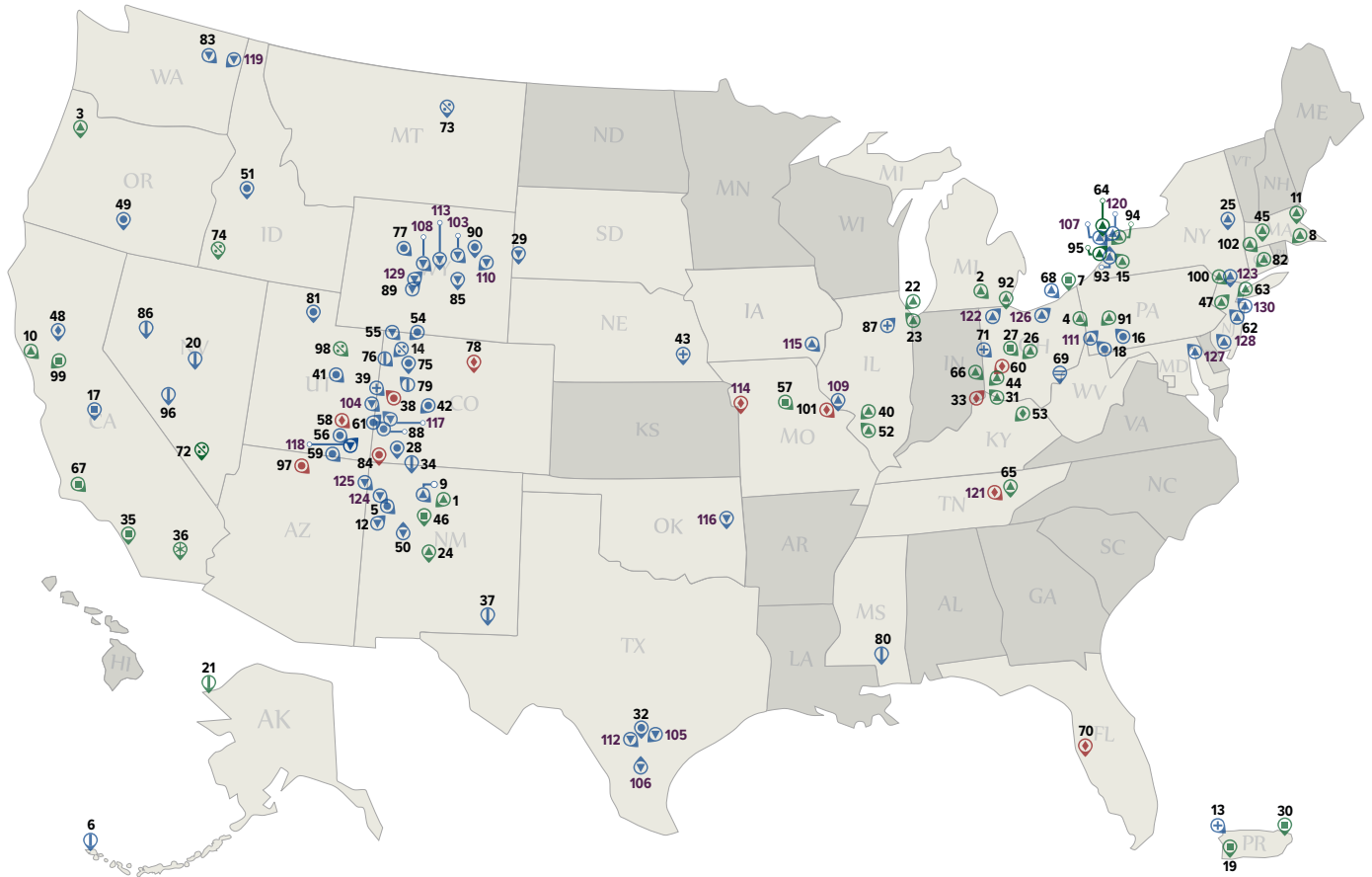
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## Future Opportunity

As of March 2024, LM manages 102 sites in 29 states and Puerto Rico. It is anticipated that additional sites will be transitioned to LM. Approximately two years before the anticipated transition date, LM begins assessing the site for beneficial reuse opportunities. LM thoroughly reviews multiple aspects of the site, including physical site characteristics, community development plans, the surrounding landscape, and site boundaries to determine if there are opportunities for beneficial reuse. LM also regularly works with third parties to identify opportunities for partnerships or disposal reuse.



Anticipated Sites in LM  
Through FY 2030 Requiring LTS&M

- CERCLA/RCRA
- D&D
- FUSRAP
- MED/AEC Legacy Site
- Nevada Offsites
- NWPA
- Plowshare/Vela Uniform Program
- State Water Quality Standards
- UMTRCA Title I
- UMTRCA Title II

Site Categories

**Category 1** activities typically include records-related activities and stakeholder support

**Category 2** activities typically include routine inspections (site visits are conducted to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

**Category 3** activities typically include operation and maintenance of active remedial action systems, routine inspections (site visits are conducted to verify the integrity of engineered or institutional barriers) and monitoring/maintenance, records-related activities, and stakeholder support.

## PROPERTIES PROJECTED TO TRANSFER OVER THE NEXT FIVE YEARS

2024	2025	2026	2027	2028
Durita, CO, Disposal	Hazelwood, MO	Bear Creek, WY, Disposal	Carnegie, PA	Conquista, TX, Disposal Site
Tonawanda, NY, Landfill	Ray Point, TX, Disposal	Gas Hills East, WY, Disposal	Gas Hills North, WY, Disposal	Ford, WA, Disposal Site
		Kansas City Plant, MO	Highland, WY, Disposal	Moab, UT, Disposal/ Processing Site
		Panna Maria, TX, Disposal	Middlesex North, NJ	Tonawanda North, NY, Site Unit 3
		Sequoyah County, OK, Disposal	Middletown, IA	Uravan, CO, Disposal Site
		Staten Island, NY		