

Manhattan Project National Historical Park

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Park Timeline

- 1990's DOE defines "Signature Facilities" associated with the Manhattan Project (finalized in 2002)
- Significant community activism in support of a national park related to the Manhattan Project
- 2001: ACHP panel recommends preservation of DOE "Signature Facilities"
- 2004: Congress directs NPS to perform a Special Resources Study to evaluate Manhattan Project resources
- 2011: After much discussion, NPS and DOE agreed to recommend the establishment of a park with three units at Hanford, Oak Ridge, and Los Alamos



DOE Signature Facilities

Chemical Separations Building (T Plant), Hanford, Washington Separated plutonium out of irradiated fuel rods from Hanford reactors. Canyon-like structure 800 feet long, 65 feet wide, and 80 feet high - nicknamed Queen Mary

B-Reactor, Hanford, Washington World's first large-scale plutonium production reactor. Produced plutonium for Trinity device, the Nagasaki weapon (Fat Man), and Cold War weapons

V-Site Assembly Building/Gun Site, Los Alamos, New Mexico Trinity device (prototype for Nagasaki plutonium weapon) and later weapons assembled at V-Site. Ordnance for uranium gun type Hiroshima weapon tested at Gun Site

Trinity Site, Alamogordo, New Mexico Named by J. Robert Oppenheimer, the Trinity Test began the atomic age and demonstrated viability of an implosion weapon

Metallurgical Laboratory, University of Chicago, Illinois Enrico Fermi produced first self-sustaining nuclear reaction; Glenn T. Seaborg isolated first weighable amounts of plutonium

Manhattan Project Headquarters, Washington, D.C. General Leslie R. Groves directed the Project from his office in Washington, D.C.

K-25 Gaseous Diffusion Process Building, Oak Ridge, Tennessee Largest building in world at the time; demonstrated viability of gaseous diffusion for uranium enrichment

X-10 Graphite Reactor, Oak Ridge, Tennessee Produced first significant amounts of plutonium

Y-12 Beta-3 Racetrack, Oak Ridge, Tennessee Produced enriched uranium for Hiroshima weapon (Little Boy) utilizing E. O. Lawrence's electromagnetic method



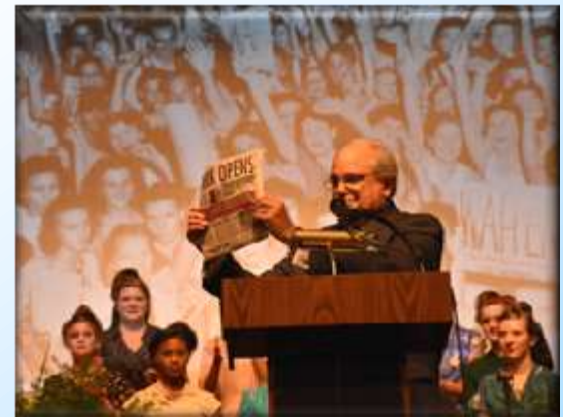
Park Authorization

- 2015 NDAA passed December 2014 authorizing the park in three locations with joint management with DOE
- Joint DOE and NPS team created to develop Memorandum of agreement on how to manage the park
- MOA team held site visits and open houses in each community



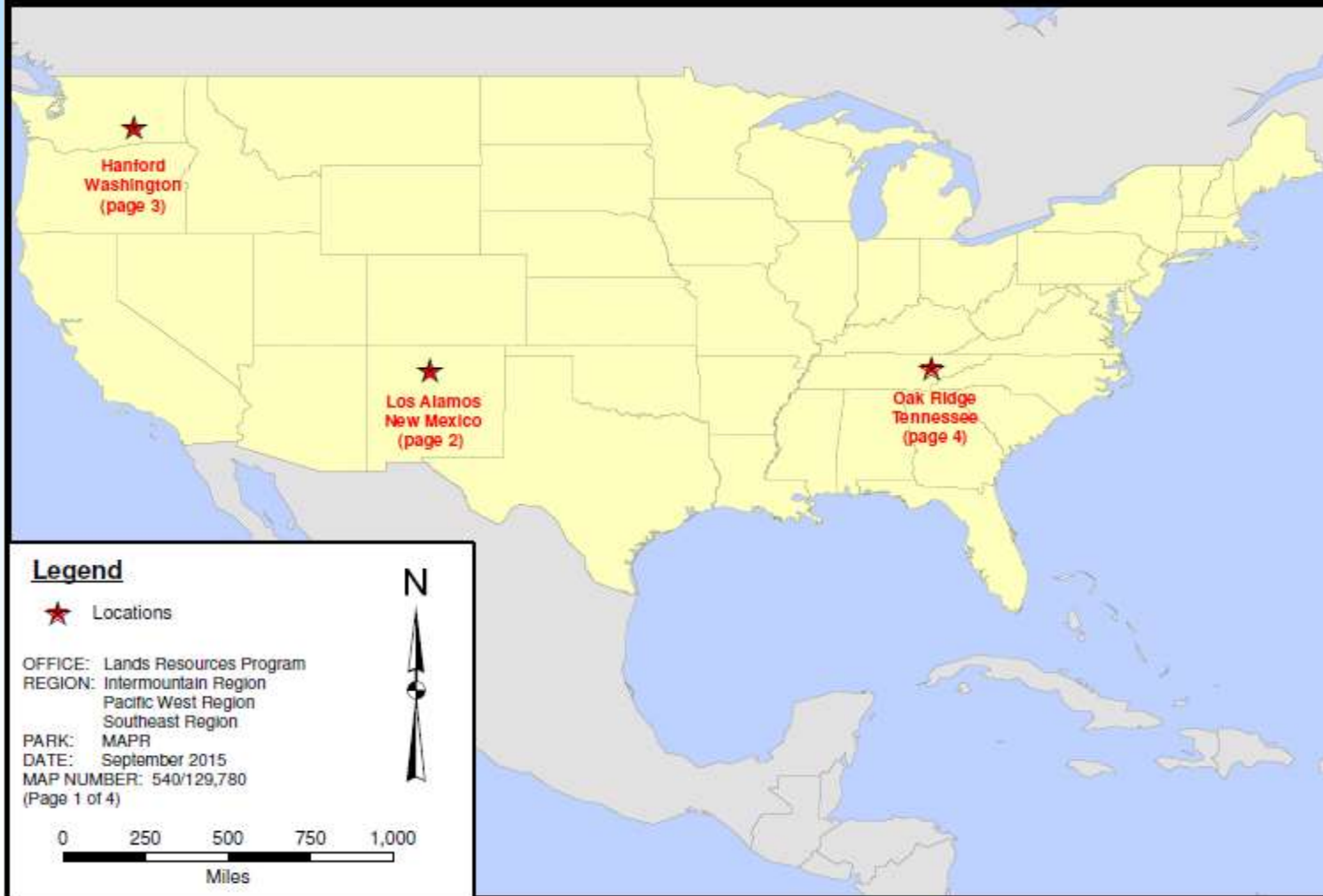
Park Establishment

- Scholars Forum held in November 2015 to provide input to park interpretation
- MOA between DOE and DOI signed November 2015 which established the park and how it would be jointly managed
- Ceremonies held in each community to celebrate opening of the park



Department of Energy Sites within the Manhattan Project National Historical Park

National Park Service
U.S. Department of the Interior



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Park Purpose

Managed in partnership by the Department of Energy and the National Park Service, Manhattan Project National Historical Park **preserves and interprets** the nationally significant **historic sites, stories, and legacies** associated with the top-secret race to develop an atomic weapon during World War II, and provides access to these sites **consistent with the mission of the Department of Energy.**



What Makes this Park Different?

- DOE retains ownership and responsibility for historic preservation, cleanup, security and access
- NPS provides interpretation and technical support – including interpretation of other sites not in the Park boundary
- Some resources eligible to be in the Park are owned by local governments, non-profits or private individuals
- Very active and supportive local communities



Division of Responsibilities

- DOI/NPS
 - Interpretation
 - Advisory role for historic preservation related to the Park
 - Develop a general management plan
 - Accept donations for the Park



Division of Responsibilities

■ DOE

- Own and operate Park facilities and lands
- Protect public safety, national security and support ongoing mission
- Perform historic preservation and maintenance to ensure safe access to Park resources
- Retain responsibility for environmental remediation and structural safety for DOE facilities and lands in the Park
- Provide historical information to NPS
- Accept donations for the Park



DOE Division of Responsibilities

- Program Offices (EM, SC, NA, NE)
 - Maintain Park facilities and lands, and operate public access programs
 - Ensure historic preservation of Park facilities and associated resources
 - Serve on Joint Park Management Team
- Office of Legacy Management
 - Lead Joint Park Management Team for DOE
 - Coordinate DOE input into Park-wide documents
 - Seek authorization and appropriations for Park long term
 - Overall coordination across the three sites, DOE program offices and with NPS

Oak Ridge Visitor Center

- Located at Children's Museum, previously at AMSE
- Staffed by NPS ranger and volunteers
- Support from local parks – Big South Fork and Obed WSR
- NPS has active programs including use of DOE historic gates houses and bike trails on DOE land
- DOE provides public bus tour as part of Public Outreach and Education Mission – includes two facilities in the Park



Los Alamos Visitor Center

- Located in Downtown Los Alamos
- Part of historic district that is eligible to be in the Park
- Space provided at no cost by Los Alamos County
- Staffed by NPS ranger and volunteers
- Support from near by parks – Fort Union and Bandelier
- Near Bradbury Science Museum, Los Alamos History Museum and historic Fuller Lodge



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Hanford Visitor Center

- Located with B Reactor Tour Headquarters
- Renovated by Port of Benton
- Staffed by DOE docents which support EM Public Outreach & Education Mission
- NPS site manager on board
- Active outreach to local schools and community groups



School tour at B Reactor



Thank you!



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