



U.S. DEPARTMENT *of* ENERGY

Office of Environmental Management

Updates on AI/Data Centers and Advanced Reactors

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of **ENERGY**

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Management

DOE's Leadership Role in AI and Nuclear

- Jan. 23, 2025, the President issued **Executive Order 14179 Removing Barriers to American Leadership in Artificial Intelligence** to facilitate AI development in the U.S.
- April 8, 2025, the President issued **Executive Order 14262 Strengthening the Reliability and Security of the United States Electric Grid** to meet increased power demand from data centers and other technological advancements.
- The Secretary of Energy Released a DOE-wide plan, **Unleashing American Energy on February 4, 2025**, to align with the President's initiative.
- Adding power to the grid is critical and the Secretary prioritizes increasing grid capacity.



DOE Assets Help Advance U.S. AI Leadership

- Artificial Intelligence (AI) is the next Manhattan Project and the foundation for accelerating innovation and science now and into the future.
- Success in AI development will require increased energy production in the U.S.
- The Department of Energy and its world-class National Laboratories play a vital role in advancing these goals on energy and U.S. AI innovation.
- By leveraging DOE land assets for the deployment of AI and energy infrastructure, DOE is taking another step toward ensuring U.S. AI and energy leadership.
- Electricity demand for data centers and other uses is growing, and DOE has been planning for this expansion of the power system as part of its overall strategy.



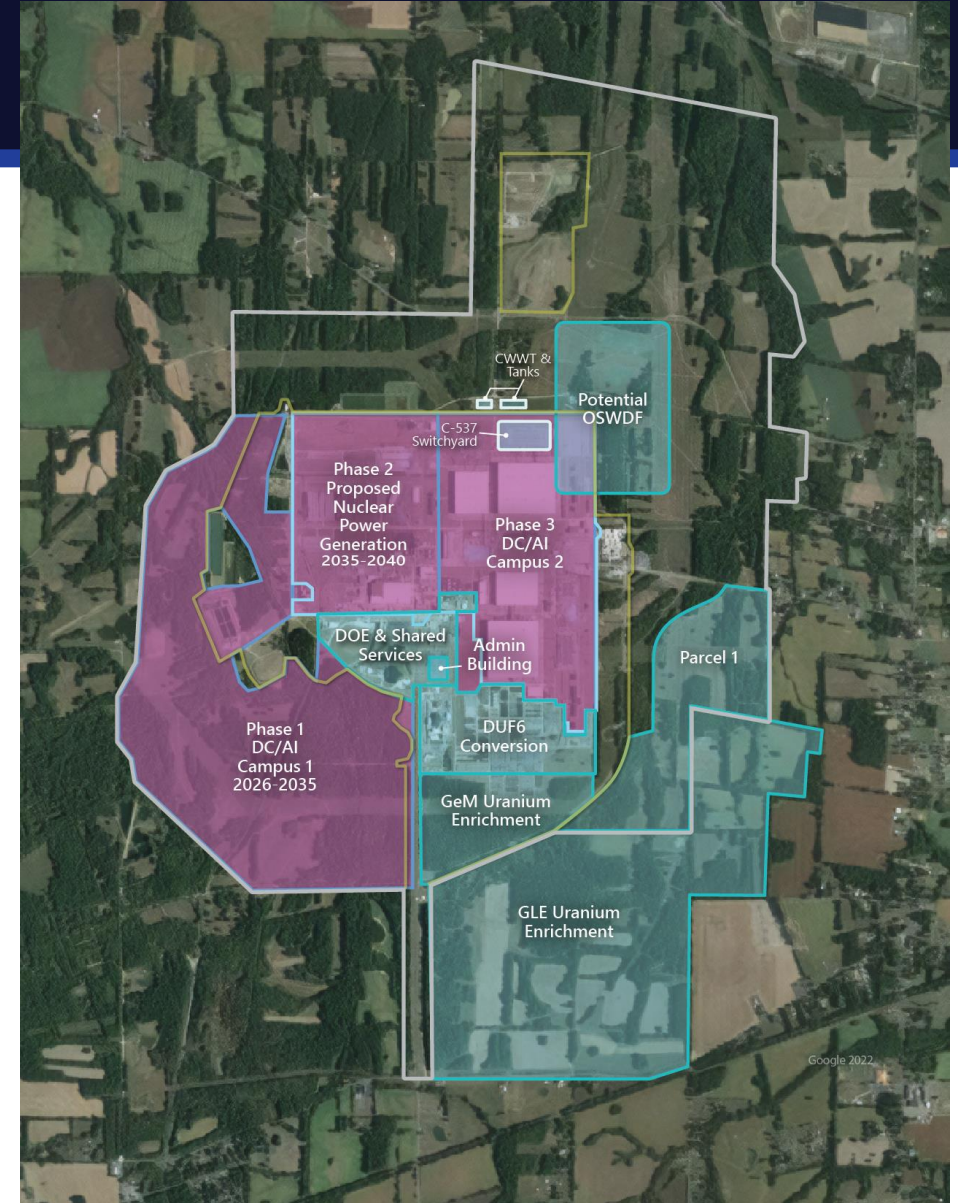
Four DOE Sites Selected for AI Infrastructure

- July 24, 2025, the DOE announced four sites moving forward with solicitations for AI data center and energy infrastructure development:
 - Idaho National Lab
 - Oak Ridge Reservation
 - Paducah Gaseous Diffusion Plant
 - Savannah River Site
- DOE is committed to a competitive process for all sites.



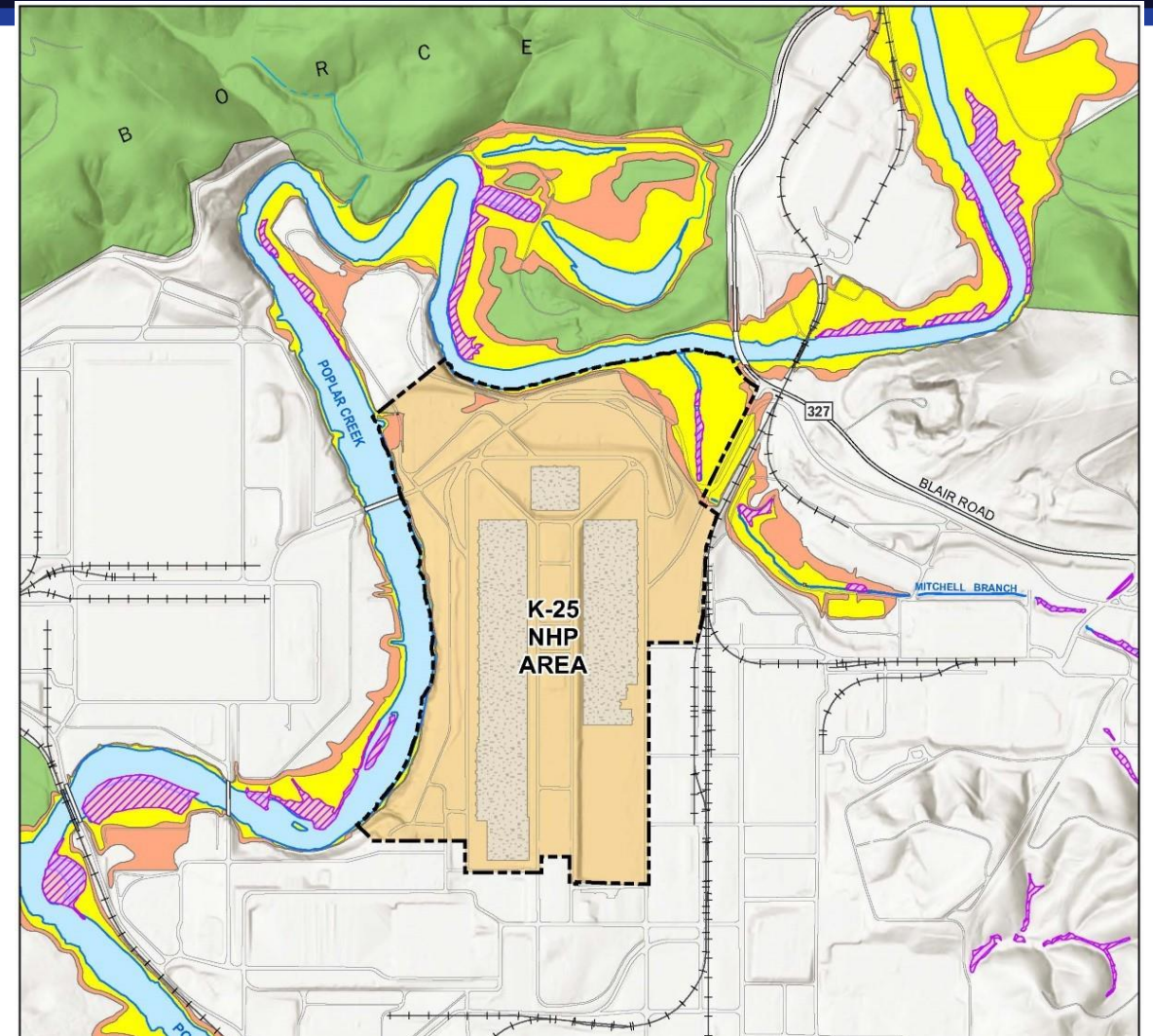
Paducah Updates

- A Request For Offer was released to the public on November 4, 2025.
- Offers must be submitted by January 30, 2026.
- A virtual industry day will be held.
- Up to 700 acres of land available.
- Three phases of development to include AI data centers and advanced nuclear power generation.

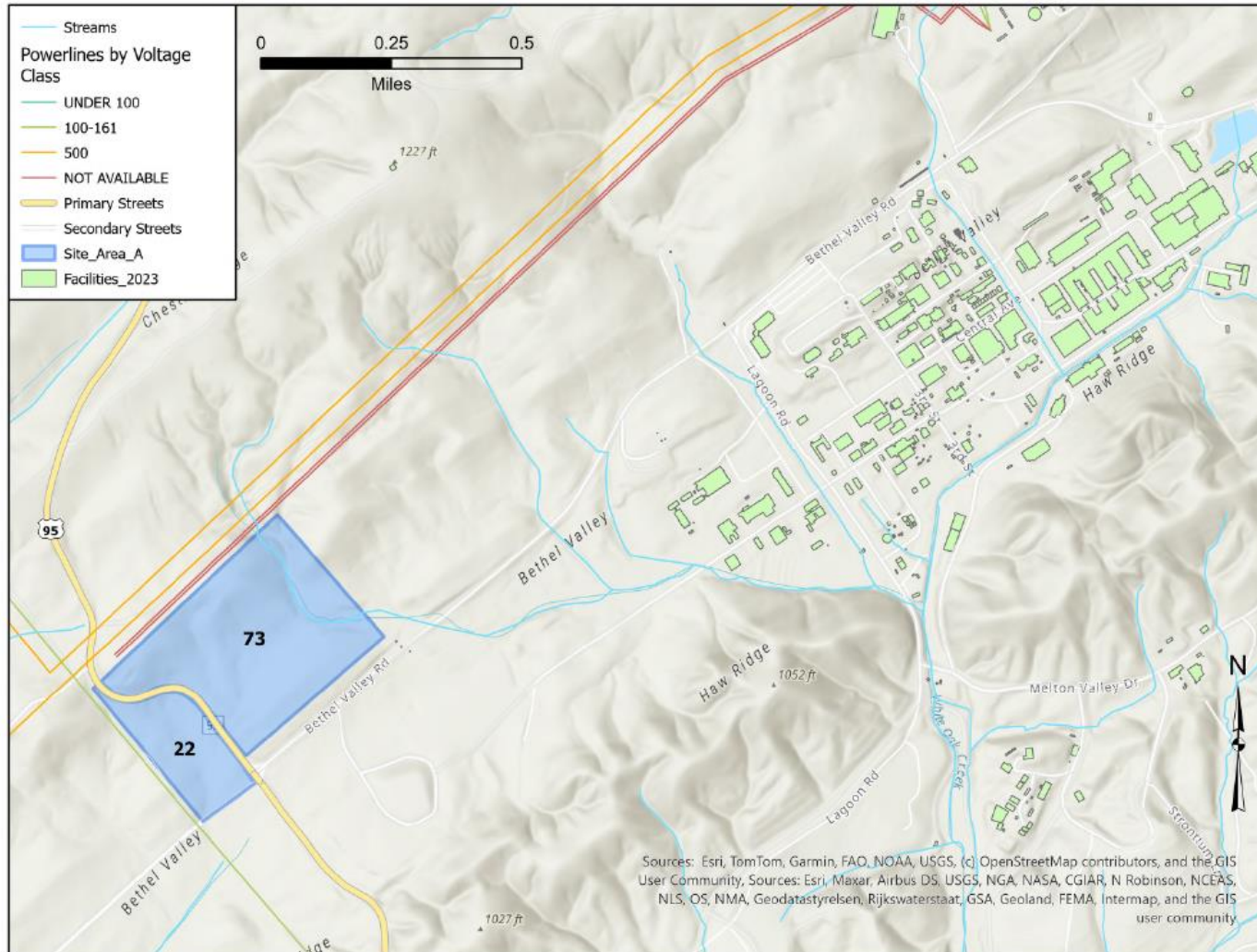


Oak Ridge Updates

- A Request for Proposals was released to the public on September 30, 2025.
 - Responses were due December 1, 2025.
- First/Second Quarter 2026 Planned Notification of selection.
- Site details:
 - Land available in area known as East Tennessee Technology Park and Oak Ridge National Lab
 - Offerors may submit proposals to develop up to 150 acres of ETTP property and ~95 acres SC property near ORNL.

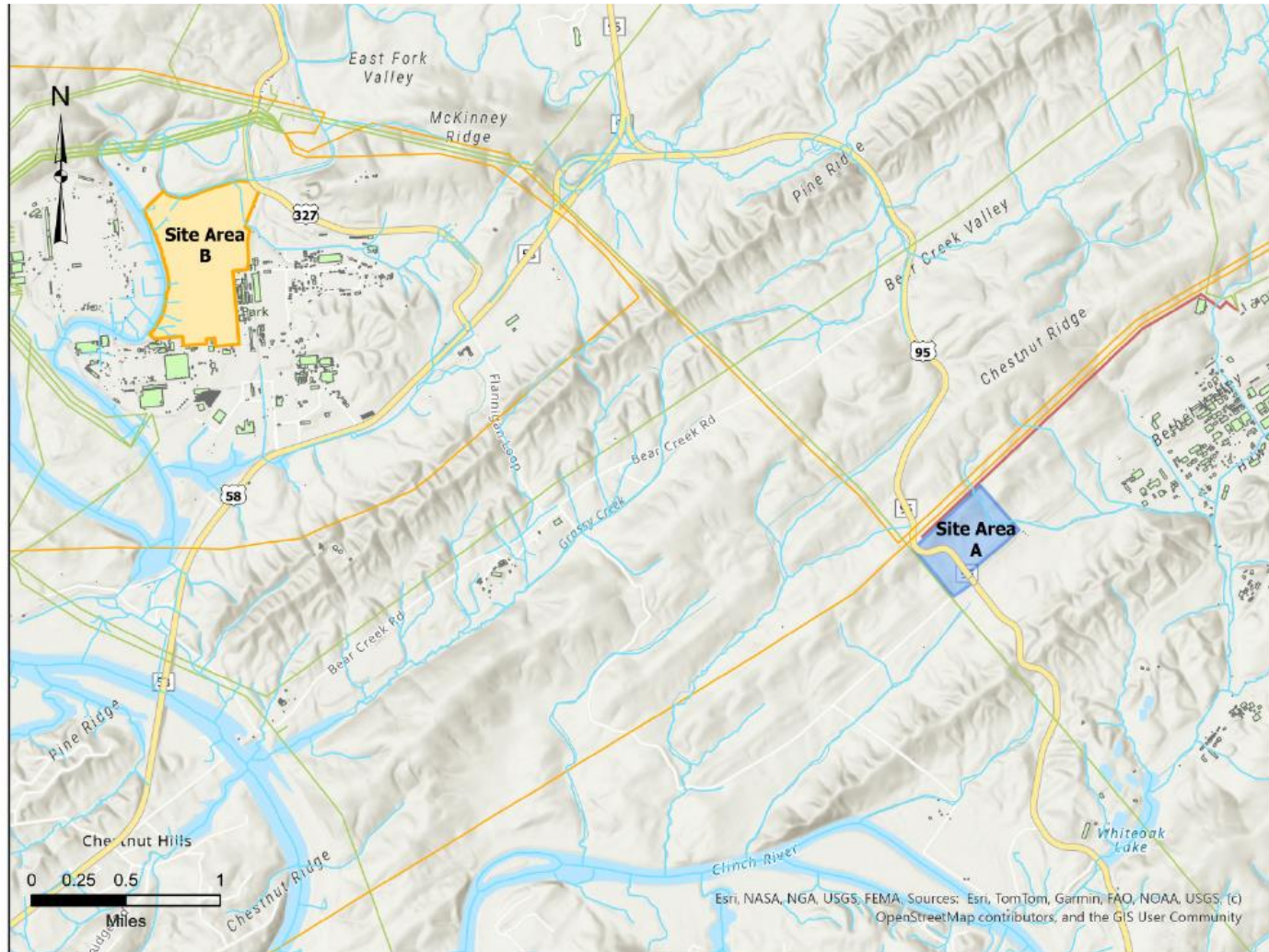


Oak Ridge Continued



- Close-up of Site A, approximately 95 acres.
- Near Oak Ridge National Lab, offered through Office of Science.

Oak Ridge Continued



- Distance between two sites – ETTP site (site area B).
- Site area B approximately 150 acres offered through DOE's Office of Environmental Management.

Questions?

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