

Southern Ohio Clean Energy Park Alliance



The Alliance

- Duke Energy, AREVA, UniStar Nuclear Energy, USEC Inc. and the Southern Ohio Diversification Initiative (SODI) have formed the Southern Ohio Clean Energy Park Alliance.
- The Alliance will pursue the proposed development of a Clean Energy Park demonstration project at the U.S. Department of Energy's (DOE) Portsmouth site in Piketon, Ohio.
- The Alliance is initially focused on performing an evaluation of the Portsmouth site as a potential location for a new nuclear energy facility. This evaluation will include conducting a plant siting study and preparation of licensing documents for submittal to the U.S. Nuclear Regulatory Commission.
- With AREVA a member of the Alliance and active at the Piketon site, the initial focus for the project is on AREVA's U.S. EPR™ technology.
- The Alliance is requesting the DOE's assistance in funding the initial phase of the project, which would include a generic Early Site Permit and review of the site decommissioning plans.

Benefits/Strengths of the Alliance Initiative

- The development of this park represents a unique opportunity for all parties – the U.S. government and Alliance members – to transition a portion of a former DOE weapons complex into a commercial asset that supports sustainable economic development.
- Each member of the Alliance brings unique skills and experience to the project, including project management, licensing and nuclear operations.
- The Alliance will work in methodical fashion to ensure the successful completion of this demonstration project as a model for future commercial investment and cooperation with local communities and the federal government at other DOE sites.
- The Clean Energy Park will bring a significant number of new, good-paying jobs to the region from site cleanup and preparation to construction, operation and management of clean-energy technologies.
- The park places southern Ohio at the epicenter of the rapidly emerging clean energy revolution, that will help reduce overall national carbon emissions.

Roles of Alliance Members

- Duke Energy will be the applicant (licensee) for an Early Site Permit, and should the project develop favorably, a Combined Construction and Operating License for a proposed nuclear

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power plant. Duke will be responsible for overall project oversight and management of the project.

- USEC Inc. will be responsible for providing all expertise/analysis with respect to the Portsmouth site operations; environmental and site data; site cleanup information, schedules and coordination; and site infrastructure and utilities.
- AREVA will be responsible for coordination of all technical analysis with respect to licensing document preparation.
- SODI will be responsible for assisting in the coordination of local and regional community outreach and communication efforts.
- UniStar Nuclear Energy, LLC may provide support services for the project, including licensing support.

Clean Energy Park Concept

- The Clean Energy Park concept builds upon the Department of Energy's energy park initiative, which is focused on transitioning resources (land, infrastructure, workforce, etc.) in and around former weapons sites for future clean-energy production. The central theme of this initiative is to support reindustrialization and asset reutilization as the cleanup work of these sites nears completion.
- Through this approach, the local communities, states and regions that have supported our nation's defense mission for so long will benefit from the resultant long-term, sustainable economic development opportunities of such a project.

The Site

- DOE's Portsmouth site is located on a 3,700 acre reservation in Pike County, Ohio, and possesses many of the vital resources needed for the development of a centrally located Midwest commercial nuclear energy park. Although less than 20 percent of the overall acreage of the DOE site is currently occupied – utility services, security, emergency response services, access roads and laboratory services are maintained and supplied to the entire reservation under a lease agreement between DOE and USEC.

For additional information about the Alliance, please contact:

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