

# HONORING OUR HERITAGE

## *Preparing for the Future...*

TIMELINE

1940

1950

1960

1970

1980

1990

2000

2010



The U.S. Department of Energy (DOE) is preparing for the next chapter in the history of the Portsmouth site by removing old buildings and structures, removing waste and cleaning up the soil and groundwater. The result will be a property ready for reuse by industry, business, educational institutions and the general public.

### Decontamination and Decommissioning

Cleaning up the site means the removal of old buildings, called Decontamination and Decommissioning (D&D). Because radioactive and hazardous materials were used at the site, the process of demolishing the buildings can be quite complex to ensure safety of the workers, public and environment. Once demolished, the building debris and equipment must be disposed at a waste facility licensed for radioactive and hazardous wastes.

### What the Community Wants

In 2011, an independent study was conducted by Ohio University to better understand the local community's preferred vision for the future of the Portsmouth site once it has been cleaned up. Ohio University was given a grant to perform a comprehensive public outreach and data gathering effort that clearly illustrated that the residents in the four-county region (Pike, Scioto, Ross, and Jackson) support the repurposing of the site. Community members voted on nine different scenarios, the results of which are below.

Rank	Preferred Repurpose	Votes
1	Nuclear Power Plant	495
2	Green Energy Production	475
3	Industrial Park	421
4	National Research & Development Lab	418
5	Warehousing	179
6	Training & Education	160
7	Metal Recovery	152
8	Multi-use Southern Ohio Education Center	143
9	Greenbelt	131

### Recording the History

The Portsmouth Gaseous Diffusion Plant not only played a significant role in our nation's history, but has shaped the local community as well. Great care is being taken to identify historic properties and document the site's history. DOE is consulting with cultural resource professionals, architectural historians, professional archeologists, local historians, and community members to determine how to preserve the legacy of the site for future generations.



**2010** Shears cut through the southeast corner of the X-760 Chemical Engineering Building.



**2011** With the last structural supports weakened, the X-334 Transformer Cleaning and Storage Building is brought down.



**2010** Demolition begins on the first of four cooling towers (tower C) in the X-633 Recirculating Cooling Water Tower Complex. Each tower was 360 feet long, 72 feet wide and 45 feet high and resulted in the disposition of more than 738,000 cubic feet of waste.



**2011** A holding tank is removed from the Pump House in X-630 Recirculating Cooling Water Complex. This was the first building taken down by Fluor-B&W Portsmouth LLC under the \$2.1 billion Decontamination and Decommissioning contract awarded by the Department of Energy in August 2010.



**2010** The East Switch House was one of several large components removed from the 20-acre X-533 Switchyard.



**2011** New grass seed is planted at the location of the X-344B Maintenance Storage Building.

# READY FOR REUSE

