

# PORTSFUTURE

PUBLIC OUTREACH FOR  
THE PORTSMOUTH GASEOUS  
DIFFUSION PLANT

**The facility at Piketon, Ohio**

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# Background

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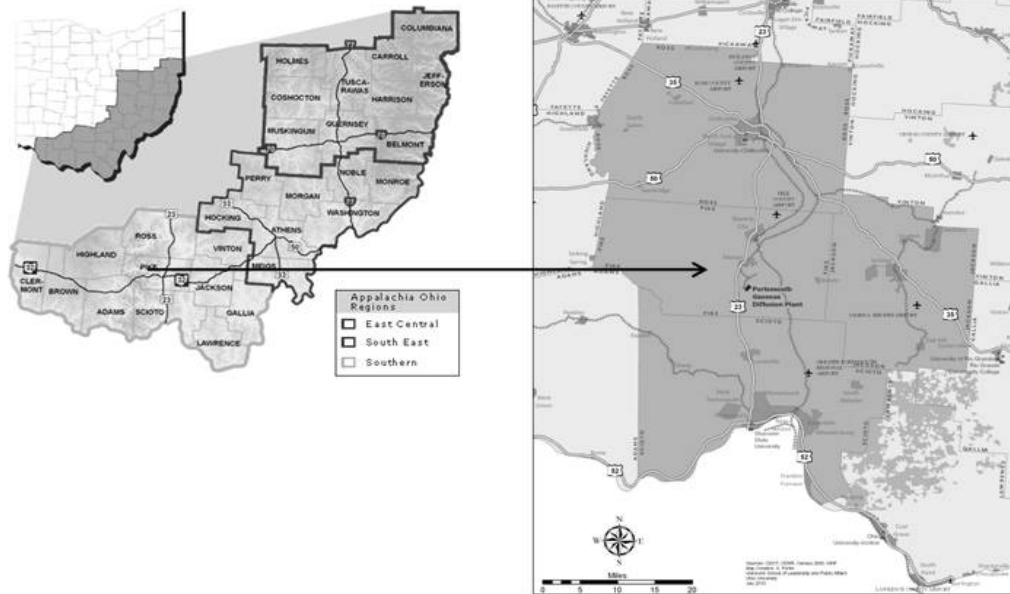
# Brief Plant Facts

- Built 1952-56; Last of three facilities constructed to enrich uranium for cold war era nuclear defense and (later) for commercial nuclear reactors.
- Plant occupies 1,200 acres of the 3714 acres at site.
- Placed in “cold standby” in 2001 which maintained the plant in a useable condition.
- Cold shutdown in 2006.
- Currently preparing for Decontamination and Decommissioning (D&D).

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# Plant Location



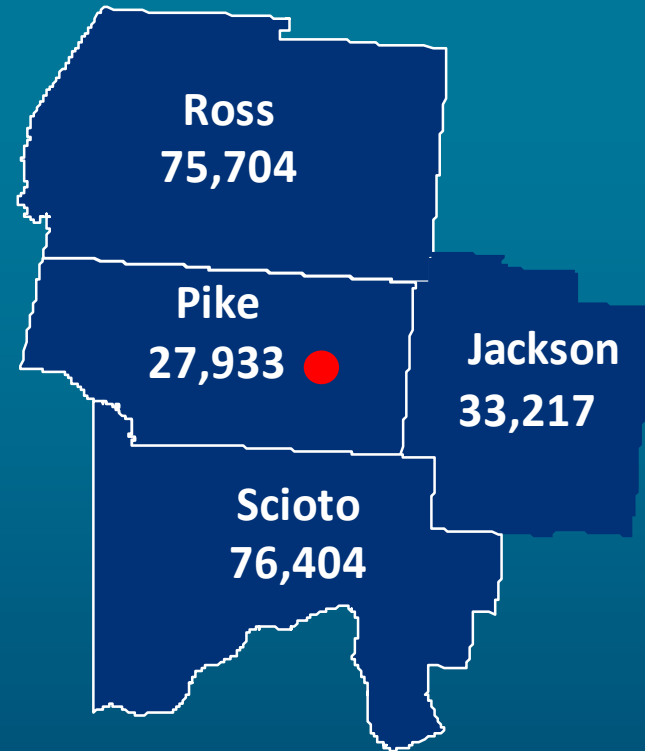
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# County—Plant Stats

- Population, 2007 est.: 27,933
- Plant employees: 2400
- Average annual salary in county: \$26-35k
- Average annual salary of plant employees: \$65-70k



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# Demographics

- Four Counties: Pike, Jackson, Ross, Scioto
  - Percent of state population, 2008: 0.7
  - Percent below federal poverty level: 19
  - Percent college graduates: 19
  - Percent without high school diploma: 20

# Regional Unemployment

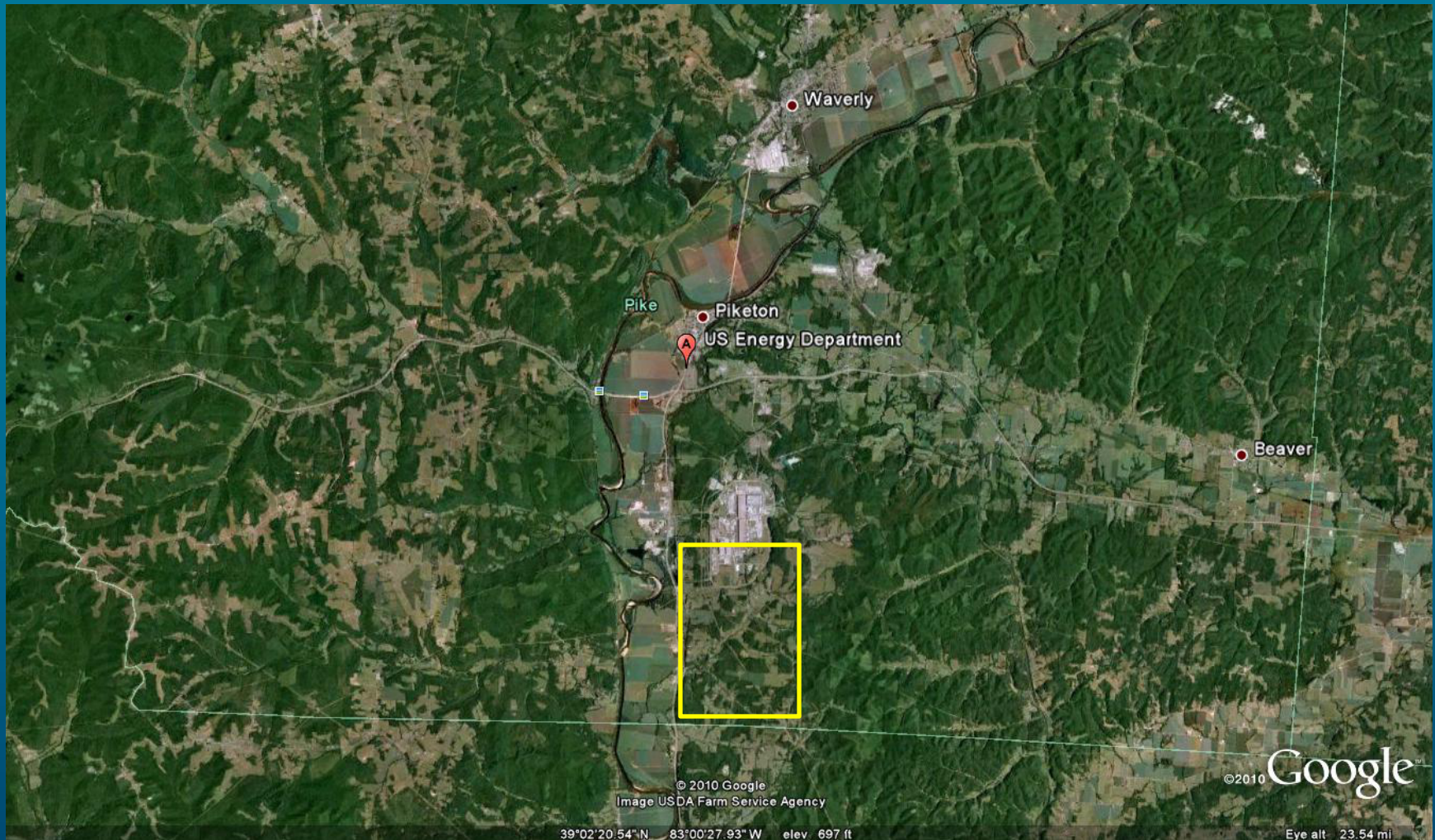
	Labor Force	Employed	Unemployed	Unemployment Rate
Jackson County	15,500	13,800	1,700	11.0%
Pike County	11,200	9,500	1,700	15.2%
Ross County	35,200	30,900	4,200	11.9%
Scioto County	33,100	29,000	4,100	12.4%
Four- County Region	95,000	83,200	11,700	12.3%
OHIO	5,970,000	5,359,000	611,000	10.2%

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Source: Ohio Labor Market Information

# Plant Location



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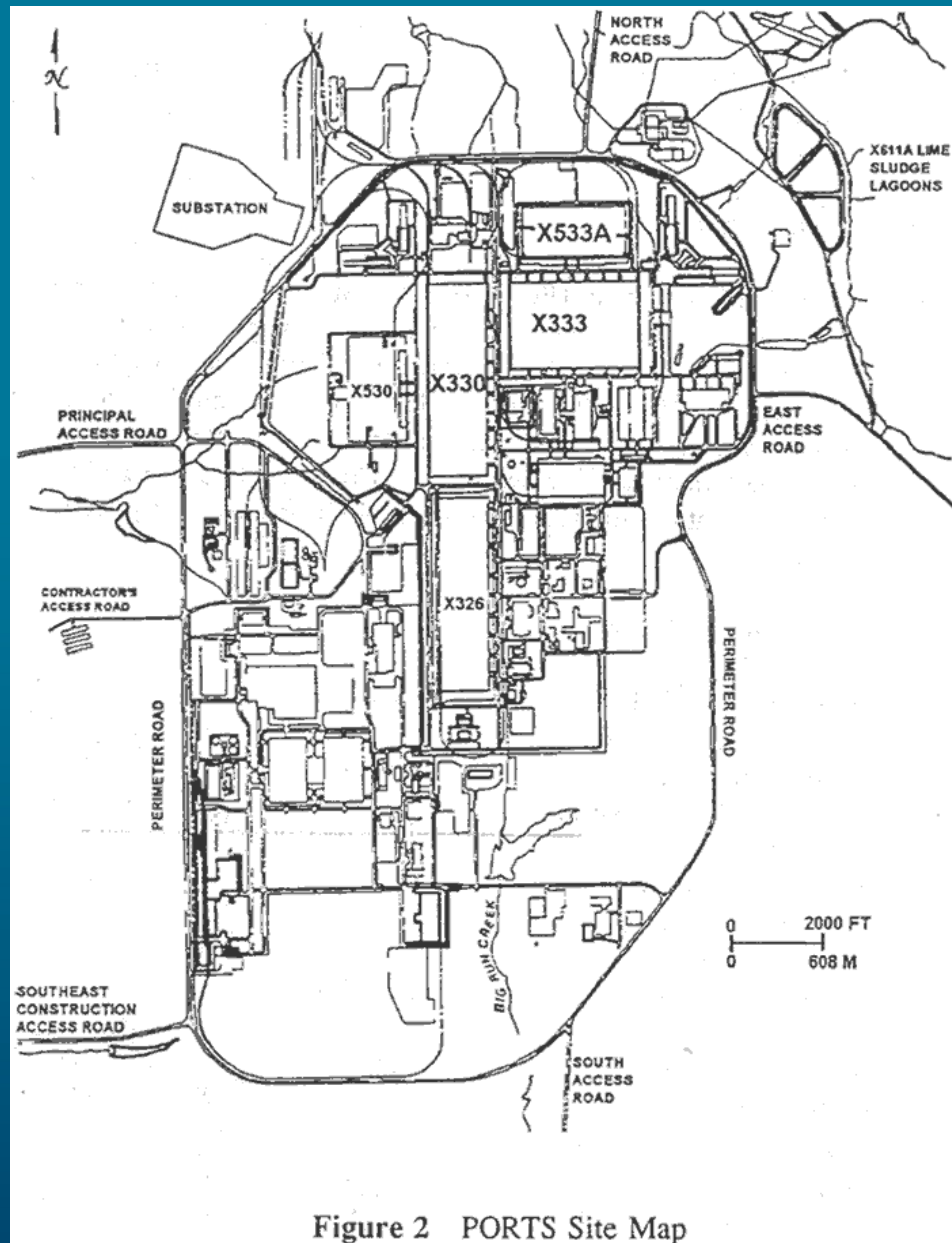


Figure 2 PORTS Site Map

Site is home to the three largest buildings in DOE:

- **X-333** – ¼ mile long, 33 acre roof, 2.8 million sq ft
- **X-326** – ½ mile long, 30 acre roof, 2.6 million sq ft
- **X-330** -- ½ mile long, 33 acre roof, 2.8 million sq ft

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# Key Timeline of PORTS

- **1989:** Department of Energy signs a Consent Decree with Ohio EPA to begin environmental investigations
- **1992:** Energy Policy Act forms the United States Enrichment Corporation (USEC), a private corporation that takes over uranium enrichment operations at federal facilities
- **1993:** USEC signs a lease agreement with the DOE to begin enriching uranium

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# Timeline (cont.)

- **1996:** First decontamination and decommissioning (D&D) project completed
- **2001:** USEC ceases uranium enrichment and the plant goes into cold standby
- **2004:** USEC announces plans for the American Centrifuge Plant with plans to resume enriching uranium; construction begins for processing depleted uranium hexafluoride cylinders
- **2007:** More than 49,000 waste containers shipped off the site from the building that will eventually hold the American Centrifuge Plant



# DOE Role

- Environmental stewardship and cleanup activities;
- Waste disposal and reprocessing including uranium;
- Storage and/or conversion; and
- Preparing for D&D

# Contractors' Role

- RSI
  - Environmental Technical Services
- USEC Governmental Services
  - Cold Shutdown
- Wastren/EnergX
  - Infrastructure
- LATA/Parallax
  - Site Remediation (until fall 2010)
- Uranium Disposition Services
  - DUF6

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# Fluor-B&W Portsmouth

- DOE contract , fall 2010
  - \$2.1 billion / 10 years
- D&D of X-330, X-333, & X-326
- Soil and groundwater remediation

# Major ARRA Projects

December, 2010, X-533  
switchyard demo completed:

- 20 acres
- 2 story building
- 18 transformers
- 16 electrical towers



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# Major ARRA Projects on Site

- **X-701B Groundwater Plume Source Removal**
  - Reducing TCE
  - 28,000 sq feet, depth 30 ft
  - Used sodium persulfate oxidant



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Source: Lata/Parallax

# Funding on Site

	FY 2009 Target	FY 2010 Target	FY 2011 Target	FY 2012 Target
Dollars	254,986,000	284,963,000	253,970,000	261,766,000
Percent change		+11%	-12%	+2%

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# Public Outreach Activities

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# PUBLIC OUTREACH METHODS

- County events and fairs
- Key informants interviews
- Focus groups
- Survey
- Community visioning team
- Town hall meetings





# COUNTY EVENTS AND FAIRS

- **Who**
  - Community members
- **Why**
  - Gather input from broader audience
- **Status**
  - Attended all 4 county fairs and displayed at Walmart Summer 2010
- **Outcome**
  - Additional input from public



# KEY INFORMANTS

- **Who**
  - Current and past employees of the facility, residents, and opinion leaders
- **Why**
  - Build baseline understanding of important issues
- **Status**
  - Completed 10 interviews, Summer – Fall 2010
- **Outcome**
  - List of key stakeholders, issues to consider, and questions for focus groups

# FOCUS GROUPS

- **Who**
  - Community members
- **Why**
  - Test and develop telephone survey
- **Status**
  - Completed 3 focus groups, Fall 2010
- **Outcome**
  - Questions for survey



# TELEPHONE SURVEY



- **Who**
  - Representative sample of 1000 residents of the 4-county region
- **Why**
  - Gather perception, knowledge, and opinions
- **Status**
  - Completed, Fall 2010
- **Outcome**
  - Data for vision and educational efforts

# COMMUNITY VISIONING TEAMS & STAKEHOLDER ADVISORY GROUP



- *Who*
  - Community members and residents of the 4-county area
- *Why*
  - Develop possible end-state scenarios
- *Status*
  - Kickoff in Winter 2011
- *Outcome*
  - Scenarios for public discussion

# TOWN HALL MEETINGS

- **Who**
  - Interested community members
- **Why**
  - To discuss visioning alternatives
- **Status**
  - Spring 2011
- **Outcome**
  - Public input on alternatives





# WEBSITE

- **Who**
  - Open to all
- **Why**
  - Obtain comments from all stakeholders, provide updates on process and progress
- **Status**
  - Currently available
- **Outcome**
  - Database of interested individuals



# Preliminary Findings



# Media Content Analysis

- Searched for key terms in local newspapers
  - “Portsmouth Gaseous Diffusion Plant”
  - “Uranium Enrichment”
  - “Department of Energy”

# Sample headlines

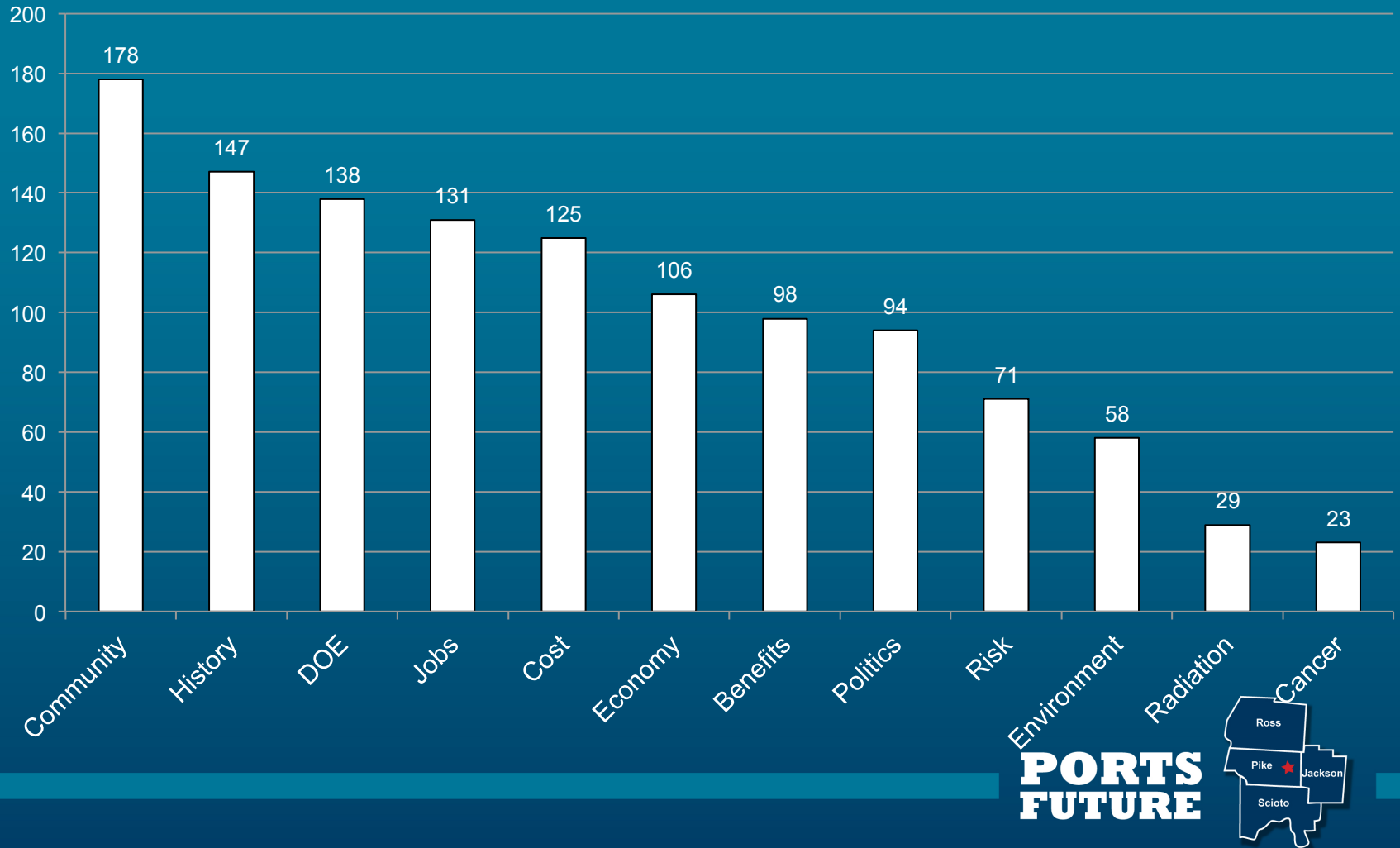
- “Cuts begin at A-plant” (*Portsmouth Daily Times*, 6/30/2000)
- “Judge has sharp words for uranium plant privatization” (*Portsmouth Daily Times*, 3/17/2001)
- “Final Proposals Submitted for USEC Facility” (*Community Common*, 11/13/2002)
- “Bechtel Jacobs Company ready for another safe, successful year” (*Portsmouth Daily Times*, 3/28/2003)
- “DOE plans DUF6 Groundbreaking” (*Community Common*, 7/25/2004).

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# Media Themes

(N=224)



# Interviews & Focus Groups

- Major themes:
  - Jobs
  - Trust
  - Public access to information

# Jobs

- What is greatest concern in the region?
  - “...jobs is right there at the top.”
  - “It’s all about jobs. Southern Ohio has always suffered from lack of jobs.”
  - “And everything still comes back to we need jobs; we need to have industrial based jobs.”

# Trust

- Who do you trust for information?
  - “You have the DOE. I mean it’s all about what they’re willing to release, what they’re willing to tell the public. Very little because of the security . Very little information gets out other than by DOE and even with the subcontractors who are out there, DOE basically controls not only what they do but what they say.”

## Public Access to Information: Internet

(Source: Connect Ohio, 2010)

	Total House-holds	Served House-holds	% Served (Access)	Adopt. Rate	No. of House. Adopting
Jackson	12,619	9,100	72.1%	27.0%	3,407
Pike	10,444	8,171	78.2%	39.0%	4,073
Ross	27,132	25,851	95.3%	49.0%	13,295
Scioto	30,871	26,865	87.0%	39.0%	12,040
4-Counties	81,066	69,987	86.3%	40.5%	32,814
Ohio	4,445,773	4,240,895	95.4%	55.9%	2,484,293

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# Upcoming Activities

- Community vision teams
  - Kickoff/orientation events, March 2011
  - Team meetings/scenario development
- Public outreach
  - County events, summer 2011
- End-state vision report
  - Fall, 2011



# Additional Grant Projects

- January, 2011: Voinovich School received additional \$1.9 million for environmental projects
  - "to assess and implement cost-effective technologies and methodologies that could accelerate safe cleanup and risk reduction"
  - Contact: Scott Miller for additional information on these projects