



U.S. DEPARTMENT OF
ENERGY

**OAK RIDGE ENVIRONMENTAL
CLEANUP & THE AMERICAN
RECOVERY AND
REINVESTMENT ACT OF 2009
GERALD BOYD, MANAGER, OAK
RIDGE OFFICE**

U.S. DEPARTMENT OF ENERGY

MARCH 4, 2009



EM Environmental Management

safety ✦ performance ✦ cleanup ✦ closure

KEY OAK RIDGE MISSIONS



- Science and Technology
- Science Education
- Environmental Cleanup
- Energy & Nuclear Fuel Supply
- National Security
- Reindustrialization
- Technology Transfer & Economic Development



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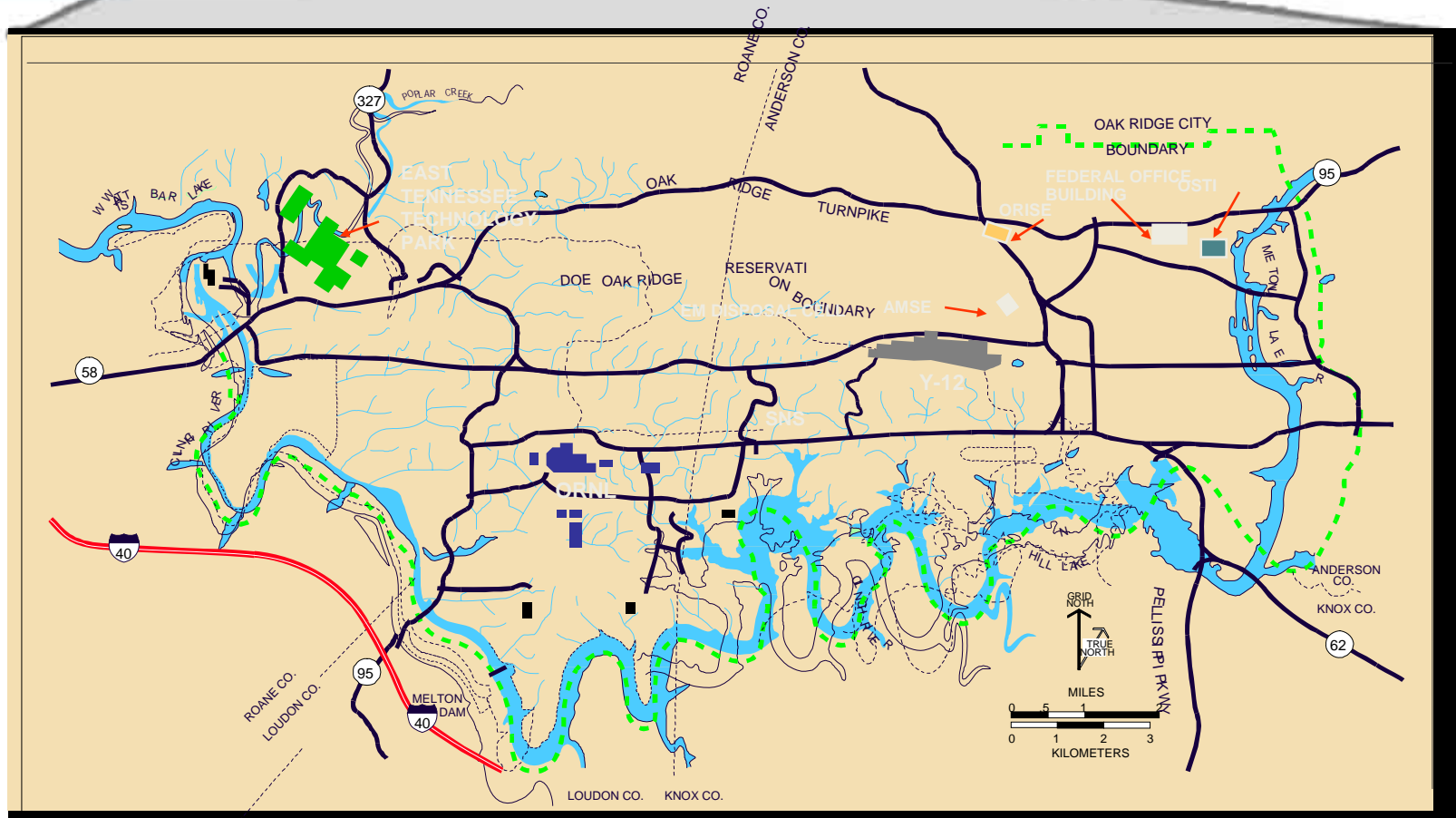
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Environmental Management

safety ♦ performance ♦ cleanup ♦ closure

LEADING RESEARCH AND ADVANCED MANUFACTURING PARK



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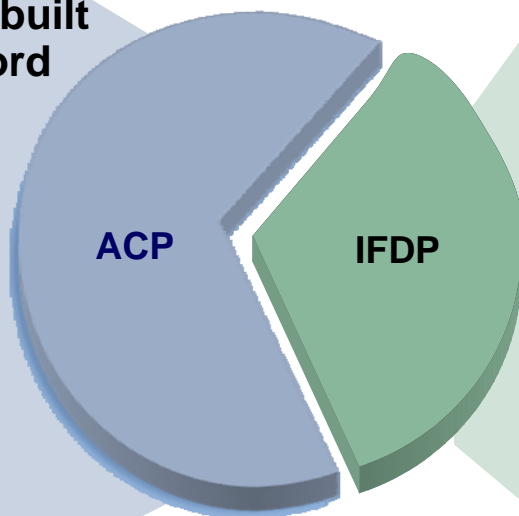
EM Environmental Management

safety ♦ performance ♦ cleanup ♦ closure

CLEANUP PROGRAM (ACP), BEGINNING THE INTEGRATED FACILITY DISPOSITION PROJECT (IFDP)

DOE Environmental Management (EM) has built a successful track record in Oak Ridge

- Three Building D&D Project
- Legacy Waste
- Melton Valley
- DUF6
-
- ETTP



Remaining Cold War legacies are impeding ongoing missions

- Major areas of the Oak Ridge site remain contaminated
- Legacy issues impair mission readiness at Oak Ridge National Laboratory (ORNL) and Y-12 National Security Complex (Y-12)
- Legacy management consumes resources needed for modernization
- Modernization efforts are not coordinated with cleanup efforts

ORNL – Before



Y-12 – Before



ETTP - Before



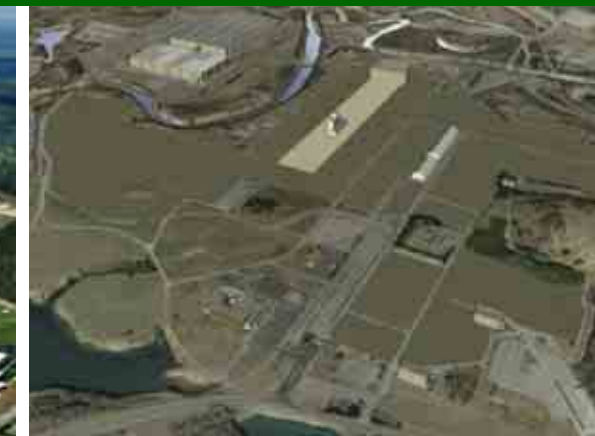
ORNL – After



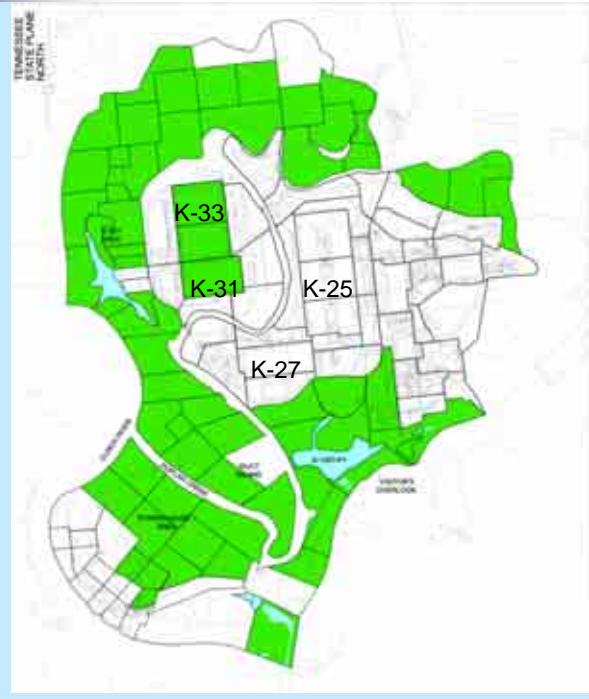
Y-12 – After



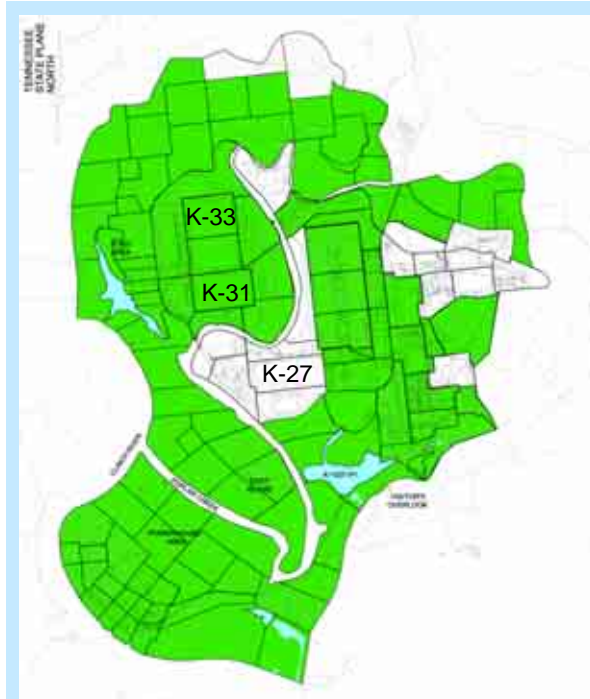
ETTP - After



CLEANUP MISSION AT ETTP





FY 2008 Current Status



FY 2011 Status



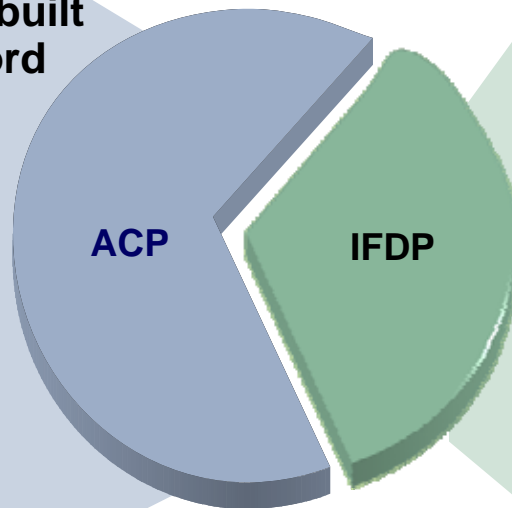
FY 2016 Status

-  Areas Available
-  Areas to Become Available

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FACILITY D&D SCOPES

COMPLETE D&D OF 439 FACILITIES



IFDP Facilities by Site and Program Office

Site	EM	NE	NNSA	SC	Total	Excess Space (ft ²)
ORNL	202	1	0	124	327	1.48 M
Y-12	15	1	79	17	112	3.85 M
IFDP Total	217	2	79	141	439	5.3 M

IFDP STATUS

- July 20, 2007 - CD-0, Mission Need approved by Deputy Secretary; and EM directed to work with NNSA and SC to prepare CD-1 for approval by EM-1
- November 17, 2008 – CD-1, Alternative Selection and Cost Range approved by EM-1
 - Cost Range: \$9.4B - \$14.5B
 - Schedule Range: 26 to 29 years
- Developing CD-2 Documents



FUNDING THE ACP & IFDP



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DOE FY 2009 FUNDING

(\$ IN MILLIONS)

	FY 2009 Conference Bill	FY 2009 ARRA Funds
NNSA	9,129	
Energy Efficiency & Electricity Delivery	2,066	21,300
Fossil Energy	1,100	3,400
Nuclear Energy	792	-
Environmental Management	6,455	6,000
Civilian Radioactive Waste Management	145	-
Science	4,773	2,000
Other	<u>2,540</u>	<u>6,025</u> (1)
Total	<u>27,000</u>	<u>38,725</u> (2)

(1) Includes \$6B for Loan Guarantee Program

(2) Excludes Power Administration Borrowing Authority

Note: GPP limit increased to \$10M

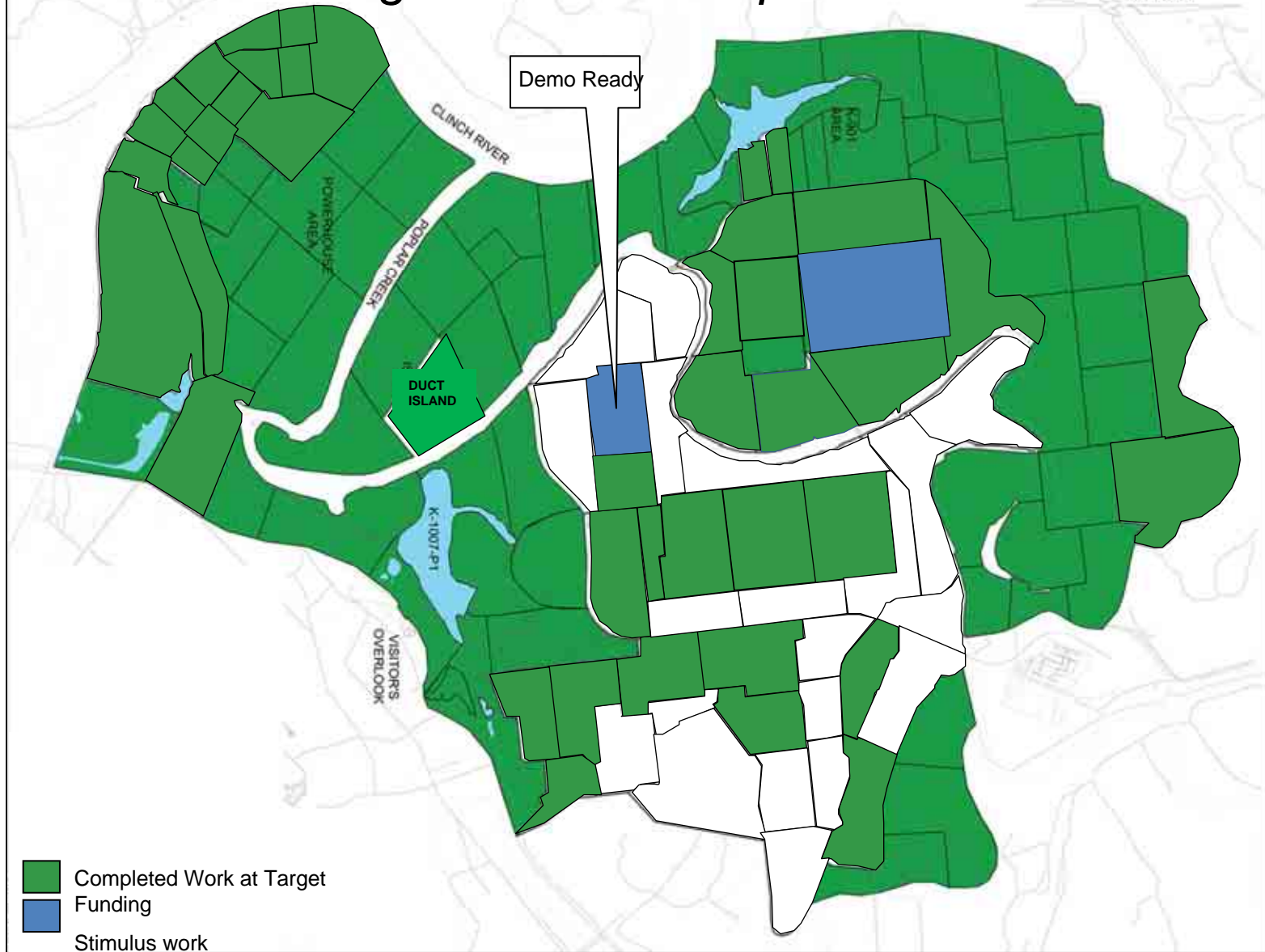


“SHOVEL READY” WORK WITHIN OAK RIDGE

- East Tennessee Technology Park
 - Complete K-33 Demolition
 - Complete K-27 Demolition ready, and
 - Complete Environmental Management Waste Management Facility Landfill Expansion

ETTP Closure Progress 2011 Completions

TENNESSEE
STATE PLANE
NORTH



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EM Footprint Reduction Initiative



Jobs created



Lifecycle cost reduced



Environment protected



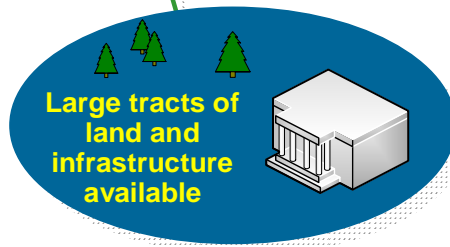
Footprint reduced



DOE Energy Parks Initiative

Clean, Diverse Energy Sources

- Energy security
- Establish long-term site mission
- Sustainable jobs



Large tracts of land and infrastructure available



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