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# Footprint Reduction

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# IFDP Status

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- ✓ CD 1 – Complete
- CD-2 – Complete End of 2009
- Start Work – 2010/2011
- Ramp up ~ 3-5 years and complete in 26 – 29 years
- Cost Range - \$9B - \$15B

ETTP Complete ~ 2017

ORNL – Before

Y-12 – Before

ETTP - Before



ORNL – After

Y-12 – After

ETTP - After



*Environmental Management*

safety + performance + cleanup + closure

[www.em.doe.gov](http://www.em.doe.gov)

# IFDP Benefits

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- ✓ Reduce Risk to People and Environment
- ✓ Reduce Cost
- ✓ Allow Science and NNSA to Focus on Their Missions
- ✓ Facilitate Modernization and **Footprint Reduction**
- ✓ Maintain Trained/Skilled Workforce

# Footprint Reduction

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With Modest Funding Increases Over Six Years

- ETTP Would Be Complete by 2014
- ORNL Central Campus would be 80% Complete by 2015
  - All Structures (Except 3019) removed
  - At Least 50% of Land Available for Reuse
- Y-12 High Risk Problems Would Be Addressed
  - Alpha 4 and 9206 Demolished
  - Alpha 5 Stable
  - Mercury Releases Significantly Reduced
  - 90% of Legacy Waste Removed

Even This Would Not Deplete Work “On the Shelf”





# Footprint Reductions

## ORNL Central Campus – 80% Complete 2015



**EM** Environmental Management

safety + performance + cleanup + closure

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# Footprint Reductions Y-12 Completions - 2015





# Footprint Reductions ETTP – Complete by 2014





# Footprint Reduction Benefits

## ORO

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- ✓ Earlier Risk Reduction
- ✓ Return on Investment 50% - 100%
- ✓ Footprint Reduction = 1000's of Acres Available for Reuse