



# K-31 Facility Demolition Project and Cleanup of the East Tennessee Technology Park



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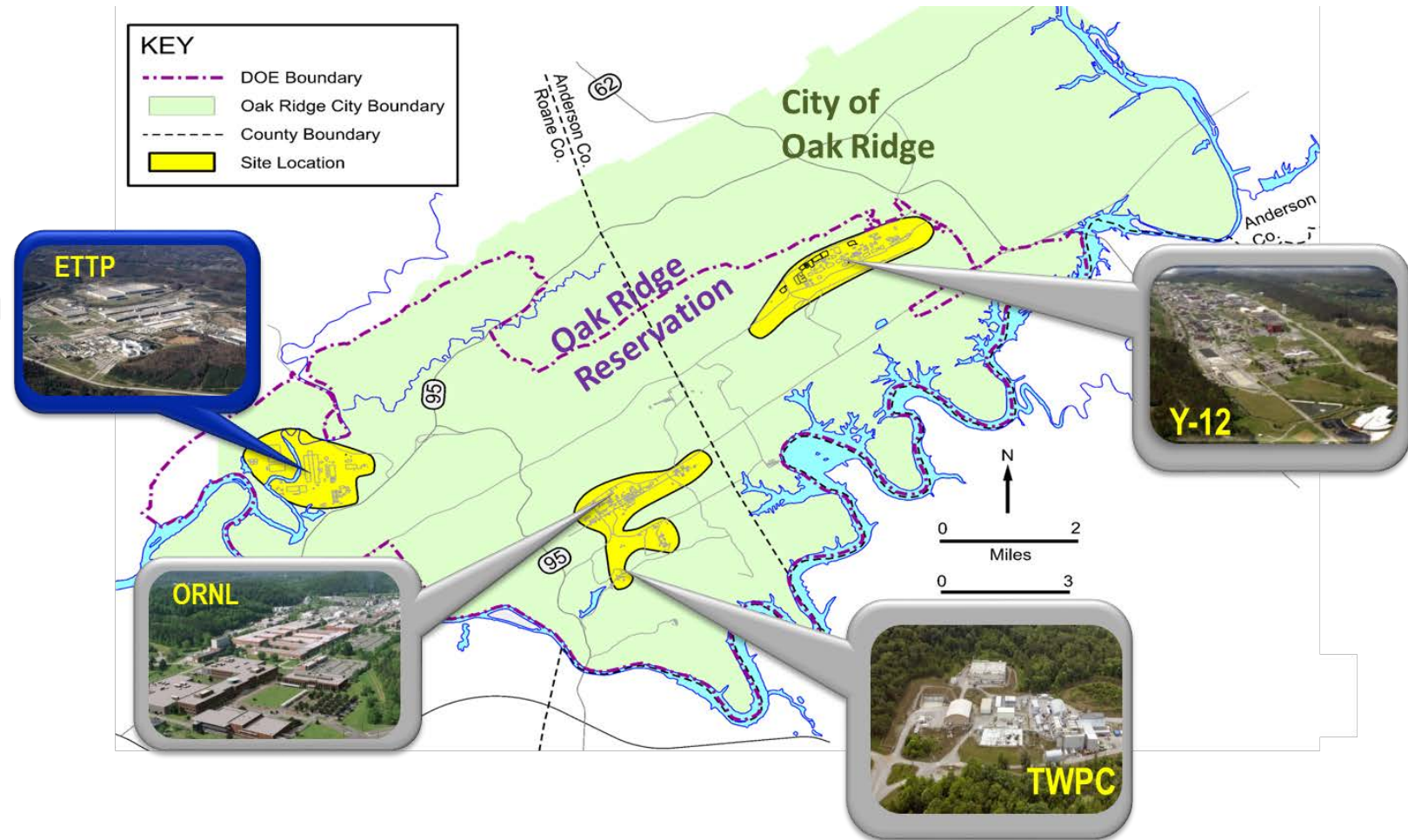
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# Environmental Management has activities at all three Oak Ridge Reservation Sites

- ETPP is the only site where EM is the landlord
- The gaseous diffusion process has been shut down since the late 1980s
- ORNL and Y-12 have ongoing and future missions





# The ETTP end state is to achieve reuse as a commercial industrial park

- Complete building demolition and waste disposal
- Complete land and groundwater remedial actions
- Make land available for industrial reuse
- Preserve the K-25 Building footprint and fulfill historic preservation commitments





# The K-31 Facility Demolition Project CD-2/3 was approved April 28, 2014

- K-31 Building was 67 feet tall and ~19 acres under roof
- K-31 and K-731 had 1.7 million square feet of total floor area
- Total Project Cost: \$61.9 million
- Completion: September 30, 2017
- Key Performance Parameters:
  - K-31 Building is demolished to slab in accordance with CERCLA and waste disposed.
  - K-761 Building is demolished to slab in accordance with CERCLA and waste disposed.





# The K-31 Facility Demolition Project was successfully completed

- Technical accomplishments
  - 225,700 square feet of transite panels removed by hand and wrapped for disposal
  - 7,445 linear feet of asbestos piping abated
  - Nearly 60,000 cubic yards of demolition debris disposed



- Cost and schedule accomplishments
  - Completed for \$39.8M, \$22M under approved TPC
  - CD-4 approved February 8, 2016, 19 months ahead of schedule



# Experience with similar projects aided K-31 Facility Demolition Project success

- Qualified, trained workforce available from the early completion of the K-25 Building demolition project
- Efficiencies and lessons learned from K-25 Building project
- Preventative maintenance performed during the transition from K-25 to K-31 demolition, minimizing down-time during demolition





# Completing Gaseous Diffusion Process building demolition at ETTP achieved Vision 2016!

- The K-27 Building was being prepared for demolition while K-31 project was underway, allowing for smooth transition of workforce
  - Structural demolition began February 8, 2016, and completed on August 30, 2016
  - CD-4 approval anticipated in Summer 2017 – under cost and ahead of schedule





# Three keys have contributed to ongoing project success at ETTP

- Effective Integrated Project Team and partnering between DOE and URS|CH2M Oak Ridge (UCOR) occurs at all levels
  - Having a common vision of success
  - Maintaining an emphasis on having a strong safety culture
  - Working together to solve problems and remove barriers
  - Pursuing expedited DOE review and approval of documentation
  - Keeping vigilant in maintaining contract and baseline alignment
- UCOR's partnership with the labor force and union leaders has supported ongoing project success
- Management of funding uncertainties in developing the performance baselines for capital projects





# Completion of ETTP is on the horizon!



Continue cleanup activities

Meet historic preservation commitments

Continue ongoing Reindustrialization and reuse

Complete ETTP Site Closure