

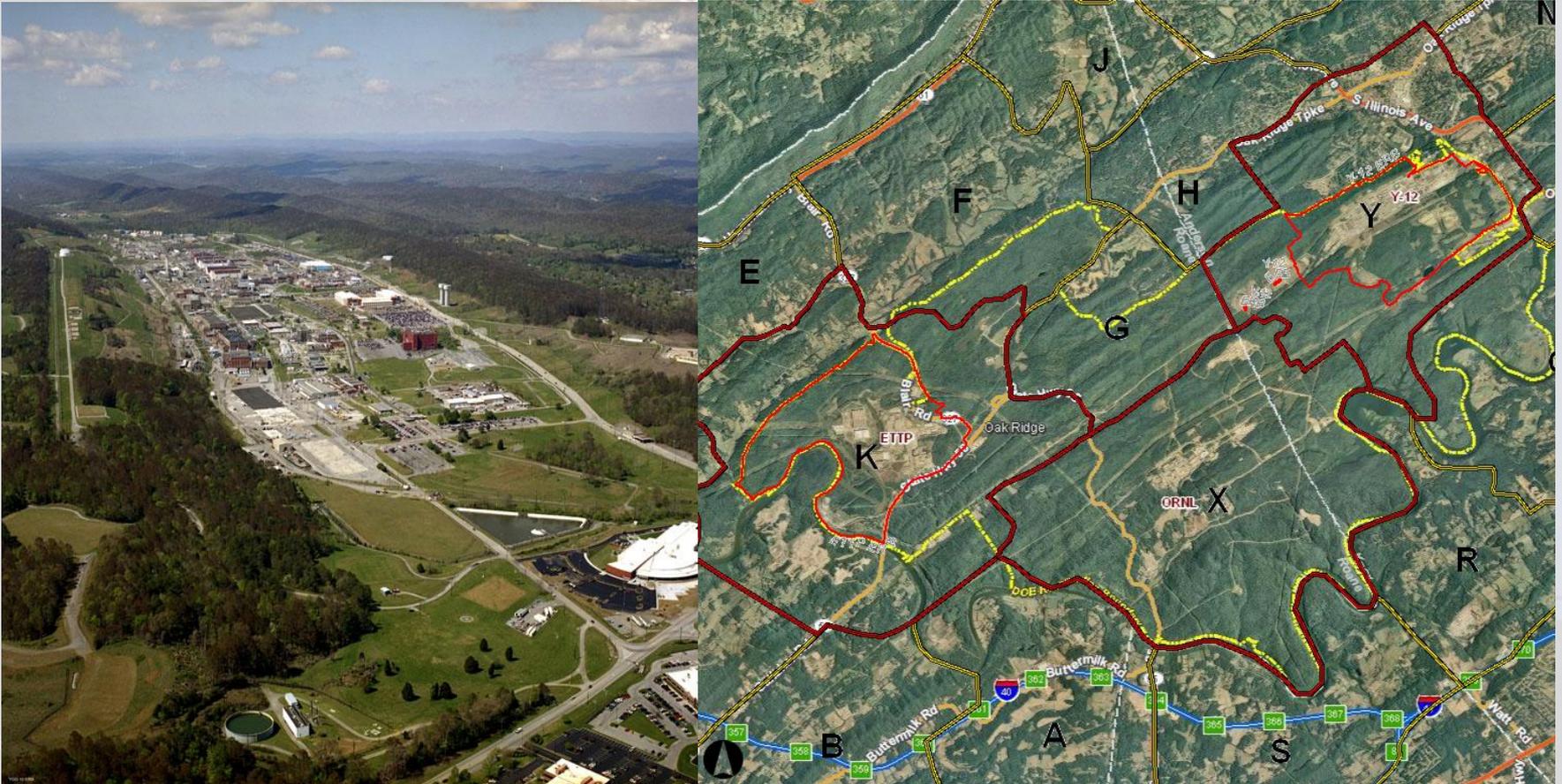
# Y-12 Emergency Services

Fire Protection Operations  
Emergency Management  
Emergency System Operations  
Operational Compliance

# Y-12 Site Mission

- One of Four NNSA Production Facilities
- Three Major Focus Areas
  - Defense Programs
    - Precision Manufacturing
    - Process HEU for the Navy Reactors Program
    - Safeguard special nuclear materials from retired or dismantled weapons
  - Nuclear Nonproliferation
    - Securing nuclear and radiological materials worldwide
    - Down blending weapons usable material
      - 10% of US electricity is generated from former Russian nuclear weapons
  - Complementary Work
    - Applied R&D, Precision and Classified Manufacturing, Prototypes
    - Lithium materials, Uranium supply, Nuclear Detection Testing and Uranium Forensics, Uranium R&D

# The Oak Ridge Reservation



# Y-12 ESO Organization Changes

- **Created ESO System Operations**
  - Consolidated Fire Suppression, Fire Alarm, Emergency Generators, Criticality Accident Alarm System, Emergency Notification System/PA under one owner/manager
- **Incorporated the Plant Shift Superintendant (duty officer) into the Emergency Management Organization.**
- **Created an ES Specialist position to manage cross organization projects and provide dedicated support to the design, build, and startup of the Uranium Production Facility (UPF).**
- **TMI Zone and Battalion Chief Rotations**

# Fire Protection Operations

- Four 12 hour rotating shifts with minimum staff of 18/14
- EMS (**ALS**), Fire, Rescue, Hazmat
- Entry level – FFII, EMT
- Continuing Training (160 hrs/employee)(15K hours CY11)
- **CY 2011 (145 EMS)(4 working fires)(2 HazMat)(47 Other)**
- Test, Maintenance, and Inspection of Fire Suppression, Detection, Alarm, and Fire Barrier Components
  - 3857 T&I scheduled tasks (CY11) 618 CM tasks (CY11)
  - 450 suppression sys., 4 fire pumps, 41 alarm panels monitoring >3500 devices, 958 fire doors, 600 fire dampers, 3000 fire extinguishers
- Building Inspections – 2,450 annually

# Emergency Management Organization

- Emergency Management Programs
- Off Site Warning
- Meteorology – Modeling
- **Plant Shift Superintendant (PSS)**
  - Duty Officer
  - Categorization and Classification
  - Local, State, DOE notifications
- Technical Support Center (TSC)
- Emergency Operations Center (EOC)
- Emergency Management Information System (EMINS)

# Old to New



# Equipment Purchases



# Fire Alarm Room



# Planned for FY 2012

- Trench Trailer
- Command Vehicle
- HazMat Support Trailer
- Specialized Monitoring Equipment
- Evaluation of 24 hour shifts