EM Mission

“Complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development, production, and Government-sponsored nuclear energy research.”

- Largest environmental cleanup effort in the world, originally involving two million acres at 108 sites in 35 states
- Safely performing work
  - In challenging environments
  - Involving some of the most dangerous materials known to man
  - Solving highly complex technical problems with first-of-a-kind technologies
- Operating in the world’s most complex regulatory environment
- Supporting other continuing DOE missions and stakeholder partnerships
EM Corporate Cost Estimation Strategy

• Approved for Implementation on 5/01/08
  – Defines approach to enable EM to systematically focus on development and maintenance of a strong corporate cost estimating capability
  – Establishes high priority for cost estimating to effectively manage and reduce the life-cycle costs of EM’s programs and/or projects.
  – EM-60 has responsibility for developing and implementing EM’s Cost Estimating & Analysis (CE&A) Program
    • EMCBC provides annual resources necessary to operate EM’s Office of Cost Estimating & Analysis
EM CE&A Program Mission

• Establish standards, policy, and procedures to ensure EM Cost and schedule estimates are accurate, traceable, and reliable
• Lead the development and management of cost databases, methodologies, and tools needed by EM to improve and standardize its CE&A capabilities
• Provide Independent Cost Estimating (ICE) and Independent Cost Analysis (ICA) capability to support EM acquisition and project management requirements
• Provide ICE & ICA support to EM management, EMAAB (EM Acquisition Advisory Board) activities, & EM budget formulation process
EM CE&A Program Development

• EM Corporate Implementation Strategy uses a two-pronged approach
  – Establish internal CE&A capability within EM
    • Develop EM’s Office of Cost Estimating & Analysis
    • EM Field Offices staff CE&A function
  – Develop Corporate CE&A Program
    • Develop EM-specific CE&A policies, procedures & standards
    • Develop & Maintain EM-specific CE&A tool-kit
    • Develop corporate CE&A training program
    • Revitalize EM Applied Cost Engineering Team (EM CE&A Community of Practice)
    • Coordination with DOE Office of Construction Management (OECM)
    • Participate on Inter-Agency Cost Engineering Forums
EM CE&A Center Core Functions

- **EM Acquisition (EM-51/52 & EMCBC Office of Procurement)**
  - Perform Life-Cycle Cost Analyses
  - Prepare Independent Government Cost Estimates (IGCE)
  - Develop Contract-specific CE&A requirements
  - Perform cost reasonableness reviews of contractor-submitted cost proposals (IR&V)
  - Support SEBs
  - Contract Close-out ~ capture actual project costs and make available for EM CE&A
  - Environmental Cost Analysis System (ECAS) and DOE’s *i-Cost*

- **Strategic Planning & Analysis (EM-62, & EM Field Offices)**
  - Support FPDs & Serve on IPTs
  - Provide direction/oversight for contractor-developed cost estimates
  - Prepare Independent Cost Estimates (ICE)
  - Perform Independent Cost Analyses & Reviews
  - Support Risk Management Planning Activities
  - Establish Project-specific CE&A requirements (tailoring)

- **Project Management Support (EM-53)**
  - CE&A SMEs on Independent Project Review Teams
  - Provide ICE/ICR services

- **Provide EM-wide CE&A Support Service Contractors**
  - Independent Cost Estimates & Independent Cost Estimate Reviews
General IGCE Development