

DOE ORO Integrated Facilities Disposition Project

Pro2Serve currently serves as DOE ORO's environmental management support contractor responsible for developing the Post 2008 environmental closure baseline for the reservation. This includes preparation of CD-0 and CD-1 documentation (including collection of data where necessary, waste volume forecasting, disposition pathway planning, cost estimating, etc), and conducting project baseline sequencing for all activities required to complete the EM Mission in Oak Ridge. The IFDP integrates environmental cleanup with modernization and site revitalization plans and projects, and (including the IFDP activities at Y-12) is a program that spans 20-25 years at a cost range of \$4.4 – \$6.2 billion. The scope of the proposed IFDP includes regulatory document preparation; legacy material and facility characterization; deactivation, decontamination, decommissioning, and demolition; waste and equipment disposition; remediation of underlying contaminated soil and groundwater; and capping and closure of active and inactive landfills. The IFDP will be conducted under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as specified by the Federal Facility Agreement and the Records of Decision for ORNL and Y-12. The framework for the Integrated Facility Disposition Project is to:

- establish a strategy to prioritize cleanup of facilities and the disposition of legacy materials based on risk reduction, surveillance and maintenance cost reduction, and release of strategic real estate;
- address excess facilities and legacy materials transferred to EM from NNSA, SC and NE, which is estimated at 113 SC;
- facilities; 7 NNSA facilities and 2 NE facilities, as well as remedial actions on underlying soil and groundwater and closure of active and inactive waste disposal sites;
- address 85 EM facilities, 29 of which are not included in the budgeted baseline, legacy materials, and soil and water cleanup;

- provide funding from three appropriations:
 - 1) Defense account for NNSA scope;
 - 2) Non-Defense account for SC and NE scope; and
 - 3) UED&D account for ETTP scope;
- enhance the advancement of modernization efforts at ORNL and Y-12;
- reduce the potential risk to the workforce and the public;
- take advantage of a trained, experienced, and effective workforce and established management and control systems;
- reduce waste disposition cost and risk by using the on-site CERCLA disposal facility instead of transporting contaminated demolition debris to licensed disposal facilities in western states;
- provide needed real estate for new ORNL and Y-12 facilities and future missions;
- establish an integrated approach that significantly reduces both cleanup costs as well as the cost of long-term operations.

Pro2Serve provides project managers, engineers, cost estimators, designers, project analysts, environmental compliance specialists, and technical/clerical support as needed to develop the IFDP plan. Activities engineering; conceptual designs; independent reviews of work prepared consist of reviewing and refining cost estimates for closure activities; engineering feasibility studies; independent cost estimates; strategic planning; value by others; regulatory analyses; developing Gold Chart metrics including waste volume estimates; and preparing schedules for environmental remediation, facilities deactivation, and D&D.

Pro2Serve produced a Work Breakdown Structure (WBS) and WBS Dictionary for the projects, refined existing estimates and produced new ones as needed, helped establish regulatory approaches, produced pre-conceptual cost estimates, and other documentation as requested consistent with the requirements of DOE Order 413.3 - such





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as Project Management Plans and Project Execution Plans. In addition, Pro2Serve supports preparation of Critical Decisions documents and assists in establishing schedules that include key interfaces for the future major procurement process.

Major deliverables included a completed CD-0, Certification of Mission Need and the presentation to the Energy Systems Acquisition Advisory Board (ESAAB) for Approval of Mission Need for the project.

