

## **Study Methodology**

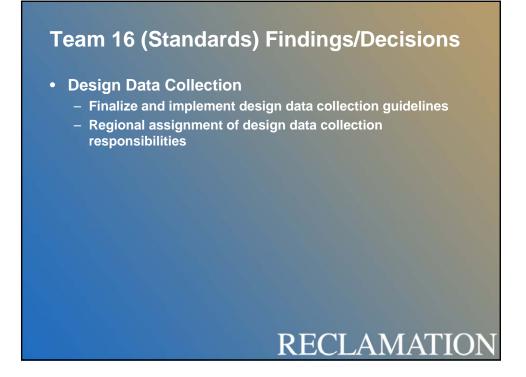
- Collect and review existing internal/external data
- Survey design providers and design clients
  - Three questionnaires were developed to gauge experiences, practices, and perceptions of Reclamation engineering standards and processes vs. other standards and processes
    - Reclamation (TSC, region, area & field offices)
    - External (other owners -- Federal & State agencies, large utilities)
    - Customer (water user organizations)
- Conduct face-to-face interviews
- Collect electronic questionnaire responses

## RECLAMATION

## **Elements of Good Engineering**

- Design data gathering
- Design standards
- Design process
- Close out process

# RECLAMATION



#### **Team 16 (Standards) Findings/Decisions**

- Design Standards (primary role to TSC)
  - Review of existing standards, manuals, monographs, technical memoranda, and commonly accepted practices
  - RLT to identify sources of funds to perform review
  - Input of Reclamation staff and customers in review process
  - Update/create identified needed internal standards
  - Communication of changes in standards to all offices
  - Posting of standards to website
  - Develop/maintain standards for high hazard/risk facilities in coordination with Dam Safety Office

## RECLAMATION

## **Team 16 (Standards) Findings/Decisions**

#### Design Process

- Communicate role of TSC
- Communications plan for final design process
- Engage RDCCT in developing more efficient means of developing designs
- Collect data for internally and externally prepared designs
- Determination of who communicates with stakeholders on design and construction projects
- Ensure programs initiate dialog between producers and receivers of design services

## RECLAMATION

#### **Team 16 (Standards) Findings/Decisions**

- Closeout Process
  - Develop/communicate non-discretionary closeout process
  - Web-based closeout questionnaire
  - Regional entry of responses into accessible database

# RECLAMATION

