Water Management
Technical Feedback Meeting

November 6, 2009
Visalia, CA

Agenda Overview

- Comments on Meeting Notes
- Status Update on Water Management Activities
- Interim Flow Water Right Petition / Recapture
- Part III Guidelines
- MC/FKC Capacity Correction / Reverse Flow Update
- Public Comment
- Agenda for Next Meeting
Comments on Meeting Notes

Status Update on Water Management Activities
Water Management Activities

• Restoration Flow Guidelines
• 16(a) Recapture & Recirculation
• 16(b) & Recovered Water Account
• Part III Guidelines
• Interim Flow Water Rights Petition
• Madera/Friant-Kern Canal Capacity Correction
• Friant-Kern Canal Pump-Back Facilities
• Water Transfers

Part III Guidelines
Part III Guidelines - Schedule

- **Draft 1**
  - Purpose: Reclamation Technical Review

- **Draft 2**
  - Purpose: Consultation w/ Friant Contractors, Reclamation Policy Review

- **Draft 3**
  - Purpose: Public Comment

- **Final**
  - Purpose: Adoption & Implementation

Part III Guidelines – Purpose

- Defining criteria to select projects
- Describe methodology to quantify benefits
- Provide compliance with Federal financial assistance policy
Part III Guidelines – DRAFT I
Components

• Planning Report:
  – Description of Project Alternatives
  – Selection Criteria
  – Economic Analysis
  – Cost-Share / RWA Reduction Determination
  – Environmental / Legal Analysis
  – Financial Capability

• Cost-Share Agreement
  – Cost-Sharing for Planning Studies / Construction Activities
  – Allocation Schedule and Rules
  – Project Reporting Requirements

Part III Guidelines – DRAFT I
Selection Criteria

• Minimum Project Criteria to determine eligibility

• Prioritization Criteria
  – Cost Effectiveness - $/af
  – RWA Reduction
  – Regional Benefits
  – Enviro/Legal/Institutional constraints
  – Federal participation

• Input Required:
  – Additional Prioritization Criteria
  – Weighting of Prioritization Criteria
Part III Guidelines – DRAFT 1
Economic Analysis

• Reclamation will prioritize all projects based on their cost-effectiveness ($/af)
  – Project Cost / Project Yield
    • Project Cost: Cost Estimate
    • Project Yield: Total yield over life of project
  – Project Yield in excess of the water supply impacts over the life of the project cannot be included in the calculation

• Input Required:
  – Need consistent determination of water supply impacts
  – Need acceptable method for determining yield from recharge and in-lieu projects

Part III Guidelines – DRAFT 1
Cost-Share / RWA Determination

• Project Benefit Methodology:
  – Cost-Share Determination
    • Water Supply Impacts / Project Yield
    • Federal cost-share limited to 50%
    • Project cost-share limited to reducing water supply impacts
  – Quantify RWA reductions
    • Water deliveries to Part III funded projects reduce the RWA
### Part III Guidelines – DRAFT 1

#### Cost-Share Agreement

- Project Planning Studies
- Project Construction Activities
- Allocation Schedule and Rules
  - 1<sup>st</sup> Round: $25 million
    - 25% Planning, 75% Construction
  - 2<sup>nd</sup> Round: $25 million + 1<sup>st</sup> Round remainder
    - 100% Construction
  - 3<sup>rd</sup> Round: Remaining $
    - 100% Construction

### Interim Flow Releases / Recapture
Recapture of Interim Flows
Madera & Friant-Kern Canals Capacity Correction Assessment and Friant-Kern Canal Reverse Flow Status Update

Capacity Correction Progress

- Model results were presented to FWA and MCWPA on November 2
- FKC Results
  - Effect of subsidence between Mile 81 and Mile 95 may not be fully captured in model
  - FWA provided suggestions on how to better represent canal conditions
  - FWA providing review of structures in model
Capacity Correction Progress Cont.

• MC Results
  – Datum issues exist at gages
  – Bridges have likely been modified since design drawings were developed
  – MCWPA to provide additional data to improve modeling results

• Final revisions to the FKC and MC models will be discussed on November 10

Capacity Correction Schedule

• Plan of Study for Feasibility Study – November 20, 2009

• Preliminary Engineering Design Report – April 23, 2010

• Environmental Assessment – April 30, 2010
Pump-Back Progress

• Kick-off meeting held on October 5

• Model Analysis Strategy Meeting to be held in November to determine plan to complete:
  – Hydraulic Modeling of reverse pump facilities
  – Operations Modeling/Report
  – Optional Tasks: CVC Hydraulic modeling & CalSim modeling

Public Comment
Agenda for Next Meeting

- Date & Time:
  - MONDAY, December 7, 2009, 8:30am

- Tentative Agenda:
  - Interim Flows
  - 16(a) Recapture
  - Part III Guidelines
  - MC/FKC Capacity Correction / Reverse Flow Update
  - PEIS/R