Water Management Technical Feedback Meeting

February 12, 2010
Visalia, CA

Agenda Overview

• Comments on Meeting Notes
• Status Update on Water Management Activities
• MC/FKC Capacity Correction / Reverse Flow Update
• Interim Flows / Recapture
• Restoration Flow Guidelines
• Public Comment
• Tentative 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 Flows
- Madera/Friant-Kern Canal Capacity Correction
- Friant-Kern Canal Pump-Back Facilities

Part III Guidelines - Schedule

- Draft 1 - COMPLETE
  - Purpose: Reclamation Technical Review, Consultation w/ Friant Contractors
- Draft 2 – IN PROGRESS
  - Purpose: Reclamation Policy Review
- Draft 3
  - Purpose: Public Comment
- Final
  - Purpose: Adoption & Implementation
## Madera & Friant-Kern Canals Capacity Correction Assessment and Friant-Kern Canal Reverse Flow Status Update

### Feasibility Study Process

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<td>Preliminary Engineering Design</td>
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- **Benefits**
  - Capacity Correction
  - Pump-Back
- **Costs**
  - Feasibility Study, TSC
**Feasibility Studies – Planning Steps**

- Assumptions TM – Alternatives definitions, type of feasibility assessment
- Model Analysis Strategy TM – hydraulic and operational modeling strategy to provide project accomplishments (TAF to whom, when, for what) for use in economic benefit calculations
- Economic Benefit Analyses – economic benefits information related to project accomplishments, in accordance with selected feasibility approach
- Preliminary Design Reports – cost information
- Feasibility Study

**Status of Technical Memos / Analyses**

- Assumptions TM (Handout)
  - DRAFT - Seeking input from stakeholders
- Model Analysis Strategy TM
  - Administrative DRAFT will be based on:
    - Comments on DRAFT Assumptions TM
    - Comments from Modeling team(s)
    - Comments from Economics team(s)
- Economic Benefit Analyses
  - Pending completion of Model Analysis Strategy TM and Preliminary Design Reports
Preliminary Design Report – Capacity Correction Status

• Completed the initial hydraulic model capacity analysis for the FKC
  – Capacity constraints identified in model correspond with observations, review scheduled with FWA staff

• MC model is constructed
  – Refining model to reflect inconsistencies between design and actual conditions
  – Review being scheduled with MCWPA

Preliminary Design Report – Capacity Correction Progress…Cont.

• Alternative development began in January
  – Developing tables that identify the location and severity of the capacity deficiencies
  – Alternatives may include partial implementation
  – Value Planning session being scheduled
Preliminary Design Report – Reverse Flow Status

- Hydraulic capacity analysis conducted in January
- TSC Design Team began design of facilities using preliminary modeled water surface elevation data

Interim Flow Releases / Recapture
Monitoring and Reporting

2010 Interim Flows
RA Recommendation, Normal–Wet Year

Figure 1 – RA Illustrative Interim Flow Release Volumes for February 1 – December 1, 2010 in an assumed Normal-Wet water year.
**2010 Interim Flows**

**RA Recommendation, Normal–Dry Year**

Figure 2 – RA Illustrative Interim Flow Release Volumes for February 1 – December 1, 2010 in an assumed Normal-Dry water year.

**Potential Points & Methods of Recapture**

**KEY**
- San Joaquin River (Reach C)
- San Joaquin Bypasses
- Gage ID
- Tributary streams and canals
Potential Points of Delivery to Friant Districts

2009 Fall Interim Flows

- Recovered Water Account Totals
  - Total Friant Division RWA
  - Individual long-term contractor RWA (Handout)
Recovered Water Account

- Alternative methods of determining total RWA include:
  - Recording all Restoration releases
  - Applying predetermined factors to Restoration releases to account for spills
  - Comparison of modeled (pre-Restoration) and actual canal deliveries
  - Others?

Public Comment
Agenda for Next Meeting

• Date & Time:
  – Friday, March 12, 2010, 8:30am

• Tentative Agenda:
  – Interim Flows & Recapture
  – Part III Guidelines
  – Restoration Flow Guidelines
  – PEIS / Program Alternatives
  – MC/FKC Capacity Correction / Reverse Flow Update