Water Management
Technical Feedback Meeting

September 16, 2011
Fresno, CA

Agenda Overview

• Water Supply Briefing
• Interim Flow Releases and Accounting
• Restoration Flow Guidelines
• Recapture and Recirculation
• Friant-Kern Canal Capacity Restoration Feasibility Study
• Madera Canal Capacity Restoration Feasibility Study
• Friant-Kern Canal Pump-Back Feasibility Study
• Part III Guidelines
• Next Meeting Date
Comments on Meeting Notes

Water Supply Briefing
SCCAO
Interim Flow Releases and Accounting

Recent Flows

- SJN
- SJF
- SJB
- GRF
- MEN
- SDP
2011 Interim Flows

Interim Flow Operation Criteria

- Seepage drainage criteria control releases from Sack Dam at El Nido.
- Mendota Dam inspection and maintenance will begin November 15.
- Reclamation is reviewing a fall pulse Restoration Administrator recommendation.
Recovered Water Account

- RWA Methodology
- RWA Balances
- RWA Database
- RWA Standard Operating Procedures.
### RWA Balances

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Total Allocation</td>
<td>680,443</td>
</tr>
<tr>
<td>RWA Usage (7/31/2011)</td>
<td>(356,203)</td>
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<tr>
<td>Remaining Balance</td>
<td>324,420</td>
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### Restoration Flow Guidelines
2012 RFG Tasks

- 13.(c) – Unexpected Seepage Losses
- 13.(i) – Unreleased Restoration Flows
- 13.(j)(iii) – RWA

2012 RFG Schedule

<table>
<thead>
<tr>
<th>Month</th>
<th>RWA</th>
<th>13(c)</th>
<th>13(i)</th>
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<tbody>
<tr>
<td>AUG. 30</td>
<td>Discussion</td>
<td>Brainstorm</td>
<td></td>
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<tr>
<td>SEP. 30</td>
<td>Draft</td>
<td>Discussion</td>
<td>Brainstorm</td>
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<tr>
<td>OCT. 26</td>
<td>Finalize</td>
<td>Draft</td>
<td>Discussion</td>
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<tr>
<td>NOV. 15</td>
<td>Finalize</td>
<td></td>
<td>Draft</td>
</tr>
<tr>
<td>DEC. 14</td>
<td></td>
<td>Finalize</td>
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<tr>
<td>JAN. 10</td>
<td></td>
<td></td>
<td>2012 Closeout</td>
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- **Brainstorm** – All reasonable ideas.
- **Discussion** – Structured analysis of brainstorming ideas.
- **Drafting** – Developing/writing/editing specific language.
- **Finalize** – Touch-up editing
Recapture / Recirculation

2011 Recirculation Hierarchy

- East-West Transfers or Exchanges
- SOD Exchange for Non-Project Supply
- Direct Delivery
- Sale of Water
2011 Recirculation

- 2011 Total Recapture = 34 TAF
- 2011 To-Date Recapture = 13 TAF
- 2011 To-Date Recirc. = 8.5 TAF
- Available Recirc. in SLR = 4.5 TAF

Recapture and Recirculation Plan

- DWR Wheeling
- Plan Funding
- Westside Allocation
Westside Allocation

• What is the reduction in supply?

• What are the legal requirements?

• Is this an “involuntary reduction”?

• How do we avoid, reduce, or mitigate?

FRIANT-KERN CANAL CAPACITY RESTORATION FEASIBILITY STUDY
Project Update

• Finalizing EA/FONSI and Feasibility Report
  – Cultural Resources
  – BA/BO

• Cooperative Agreement
  – Single Source Selection
  – 2 Agreements
    • Design Agreement
    • Construction Agreement

Project Update

• Geotechnical Investigation
  – Test compaction of earthen sections

• DEC Review
  – October 17
FKC - Schedule


Construction: Nov. 2012

MADERA CANAL CAPACITY RESTORATION FEASIBILITY STUDY
MC Update

- Site Visit – Sept. 20-22
- Project Management Plan

MC - Schedule

- Kick-off Meeting: Sept.
- Finalize PMP: Oct.
Friant-Kern Canal Reverse Flow Pump-Back Facilities Project

### Operations Analysis

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Pump Sizes (cfs)</th>
<th>Pump-Back (AF)</th>
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<tr>
<td></td>
<td>100%</td>
<td>50%</td>
</tr>
<tr>
<td>No Action</td>
<td>80 50 0</td>
<td>12,600 10,200</td>
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<tr>
<td>Legislated</td>
<td>500 500 500</td>
<td>27,300 19,700</td>
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<tr>
<td>Unrestricted</td>
<td>1,000 1,000 1,000</td>
<td>27,300 19,700</td>
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<tr>
<td>95th Percentile</td>
<td>200 150 75</td>
<td>22,800 17,600</td>
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Economics Analysis

• CVPM
  – Groundwater pumping.
  – Qualitative statement on dry year benefit.

• Unlikely to find NED Benefits
  – Local Benefits

Part III Financial Assistance for Local Groundwater Banking
Part III Status

- Reclamation consulted with the Friant Division long-term contractors on Financial Assistance Guidelines.
- Reclamation is finalizing the guidelines.
- A Funding Opportunity Announcement will be posted pending appropriations.

Public Comment / Next Meetings
### Next Meetings

<table>
<thead>
<tr>
<th>Day</th>
<th>FWA Advisory Committee Meeting in Visalia</th>
<th>SJRRP WM Technical Feedback Meeting in Fresno</th>
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<tbody>
<tr>
<td>Friday</td>
<td>September 9</td>
<td>September 16</td>
</tr>
<tr>
<td>Friday</td>
<td>October 4</td>
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</tr>
<tr>
<td>Friday</td>
<td>November 7</td>
<td></td>
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<tr>
<td>Friday</td>
<td>December 5 (or 9)</td>
<td>December 16</td>
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<tr>
<td>Friday</td>
<td>January 6</td>
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