

**USBR/Western Customer Funding Program
Technical Committee Meeting
August 23, 2000
9:00 a.m. at NCPA**

Revised Minutes

1. Call to order by Chairman/Secretary: Bill Reichmann/Barry Mortimeyer

2. Roll Call (Normal attendees; x marks attendees):

<input checked="" type="checkbox"/> Charles Cooper, Western (M)	<input checked="" type="checkbox"/> Ed Roman, SMUD (M)	<input type="checkbox"/> Joe Ungvari, DOE (A)
<input checked="" type="checkbox"/> Norine Larson, Western (L)	<input checked="" type="checkbox"/> Barry Mortimeyer, USBR (M)	<input type="checkbox"/> Mark Clark, DOE (M)
<input checked="" type="checkbox"/> Russ Klein, BART (M)	<input type="checkbox"/> Janice Bartlett, USBR (A)	<input type="checkbox"/> Dan Netto, USBR (A)
<input checked="" type="checkbox"/> Stuart Robertson, Irrigation (M)	<input checked="" type="checkbox"/> Matt Foskett, NCPA (L)	<input checked="" type="checkbox"/> Bill Reichmann, SVP (M)
<input type="checkbox"/> Tom Kabat, Palo Alto (M)	<input type="checkbox"/> Lowell Watros, Redding (M)	<input checked="" type="checkbox"/> Tom Ruthford, USBR (L)
<input checked="" type="checkbox"/> Cyndi Calvillo, Western (L)		

3. Review Prior Minutes. Minor corrections were incorporated into the draft minutes of the previous meeting and they were approved as then written.

4. Reports:

A. Governance Board. Action items received from the last GB meeting were added to this meeting' s agenda as referenced below. The draft agenda of the GB meeting scheduled for September 21 was reviewed.

B. Finance Committee. Norine went over the issue related to the bank fees for 2 deposits/withdrawals per year (\$11,500 per year) versus monthly (\$15,500 per year). As the program funding is so low right now, it made sense to stay at the twice annually. It was reported to the TC that FY03 shortfall of approximately \$800,000 currently is projected. A Resolution will be sent to the GB Chair for certifying those funds that are available. The FC also had discussed the suggestion to send a letter to the customers explaining why the funding program is increasing (and expected to continue). A new action item for this task was added below.

C. Other-Folsom Unit 2 Repair Update. The Unit is reassembled and testing has started. Woodward Governors representatives are on site the week of August 21 to participate in the alignment activities associated with the new digital governor installed on Unit 2. It is expected that governor testing/adjustment will take the entire week followed by another week of testing the CVACS additions. The Unit should be ready for service by September 1.

D. Other-Report on Customer O&M Funding Obligations. Tom Ruthford handed out a spreadsheet financial summary of customer funded projects. It provided useful information regarding prior year obligations, current year budgets and remaining balances.

E. Other (From 7/18/00 GB) Shasta Runner Replacement Status. Not much change on this project. It is anticipated that when modeling of runners is being performed that consideration will

be given to the potential operating range of Shasta Dam being raised an additional 6 feet relative to the CALFED alternative. First runner is scheduled for delivery on January 2002 with installation to begin the following Fall. This item will not be "reported" on again until a change in status occurs.

F. FY00 Project Status

- i. Keswick Trash Rake.** Fabrication and installation is expected by the end of October 2000. Use of the rake will occur this Fall.
- ii. Clear Creek Tunnel Cleaning.** Due to the short timeframe remaining until the tunnel outage scheduled for October 16, 2000, through November 17, 2000, it was determined to complete the scrubbing activity with in-house staff. The fans for ventilating the tunnel have been ordered and it will take approximately 9 weeks before they arrive at the site. That is very close to the outage window. Regarding the communications issue, various alternatives are being investigated for use. A visit to BART tunnel scrubbing operations will occur on August 24.

G. FY01 Project Status

- i. New Melones (NM) Butterfly Valve Repair.** In the process of establishing cost authorities for the various offices that will be performing work on the project. Steve Melavic, CVO-600 ME, will be providing coordination with the Area Office.
- ii. Spring Creek Transformer Refurbishment.** Similar to NM Butterfly Valve project, cost authorities are being established. Tentative plans have been established as follows:
 - The contract will be an RFP
 - Design and construction group will start work October 1, 2000, and complete December 15, 2000.
 - Procurement will issue the RFP January 15, 2001
 - The Technical Review of Proposals will commence March 1, 2001, and be completed May 1, 2000.
 - The contract will be awarded June 1, 2001.
 - The construction window will be September 15, 2001, through November 15, 2001.

H. Powerformer Report. Martin provided an overview of the Powerformer concept for rewinds of generators. A new technology will be analyzed and evaluated by Reclamation that would replace the existing hydroelectric generators from the soleplates up with a unit that generates power at voltages up to 230-Kv. This technology has apparent benefits of eliminating power transformers on the powerplant decks (solves HAZMAT issues and eliminates transformer losses), and the unit operates at reduced temperatures. The technology has such advantages that Reclamation is funding a small Research and Development effort to thoroughly evaluate advantages and disadvantages of the Powerformer. Martin indicated that Folsom Unit 1 would be a good application of this technology. During this presentation, the TC asked for a listing of expected generator rewind schedules. This will be provided as an action item.

5. Accept New Action Items

- A. 08/23/00-1** Scope of Work for Study of Joint Reclamation/Western Operations (From 7/18/00 GB meeting). Ed Roman discussed his first draft SOW. The TC agreed that the SOW should be broken down into 3 parts. The first part would be an assessment of the existing USBR and WAPA operations to include future operational growth (scheduling/accounting and ISO

interactions) and expectations of the 2 entities. The second part of the SOW would be an option to include “benchmarking” with other electrical industry operations entities. The third part would be to include the Department of Water Resources in the benchmarking work. It is anticipated that the SOW will be completed in time to share at the next GB meeting. (Closed Action Item as is identical to Open Item 01/11/2000-2).

- B. **08/23/00-2** Email Shasta rewind performance proposed testing schedule and test summary to GB and TC when developed (from 7/18/00 GB meeting). A letter to Western from Reclamation was sent in July indicating the capacity of the newly rewound units was available. The performance testing will be done in the Fall. (Item Closed).
- C. **08/23/00-3** Western O&M Status Report (From 7/18/00 GB meeting). Western will begin to provide summary reporting of their O&M program accomplishments as a regular part of the TC meeting. (Closed Action Item as will now become Report).
- D. **08/23/00-4** GB Letter to Customers. A draft letter will be developed (by Lowell Watros) and reviewed by Stuart and will be ready by the next GB meeting. (Open)
- E. **08/23/00-5** Schedule of CVP Rewinds. This schedule will be put together by Martin for the next TC meeting. (Open)

6. Prioritize Action Items. Item 7 below shows the result of the prioritization of the Action Items.

7. Address Open Action Items:

- 11/02/1999-1** FY01 RAX. This item was closed at the last TC meeting. (Closed)
- 01/04/2000-1** a) Cumulative RAX Summary Spreadsheet – Ed. (Deferred)
- 01/11/2000-2** Study to Analyze Combination of Operation Centers – Ed. This item is a duplicate of New Action Item. (Open)
- 01/11/2000-6** Develop criteria for prioritizing funding which considers risk of spilled water – Tom/Martin. (Deferred)
- 03/01/2000-3** Rapid Return to Service for Excess Capacity – Tom/Martin. (Deferred)
- 03/01/2000-5** Rank Plants using the Criteria developed from Action item 01/11/2000-6 using the 50 and 90 percentile forecast – Martin. (Deferred)
- 5/15/2000-1** Status of web site for TC documents – USBR. Barry reported that he had begun working to create a webpage attached to the main MP Reclamation page. The current delay is due to the individual in CVO who did webpage maintenance recently announced they were transferring to another job. Efforts will continue. (Open)
- 5/15/2000-3** Economic considerations of Spring Creek transformer replacement - Tom/Martin. This issue is closed since the replacement of the transformer is not viable since the project has not been included in the RAX or other Reclamation budget. (Closed)

5/15/2000-4 Special Workshop for RAX Program Development and CIP funding – Barry. This workshop is scheduled for November 16, 2000. (Open)

5/15/2000-5 Outage and Budget Planning – Bill. This action item is merged with 05/15/2000-4. (Closed)

8. Future Meetings:

GB meeting	September 21, 2000	9:00 a.m.	Western Conference Rooms
Finance Committee	October 20,2000	10:00 a.m.	Western Conference Rooms
TC Meeting	November 14, 2000	9:00 a.m.	LLNL Facilities
RAX Workshop	November 16, 2000	1:00 p.m.	CVO Room 302

9. Adjourn