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## **BAKER RIVER PROJECT RELICENSE**

### **Technical Scenario Teamlet Conference Call**

**April 17, 2003**

**10:00 a.m. – 12:00 p.m.**

**Dial in: (866) 280-6429**

**Guest #: 144995**

**OBC-14N Conference Room**

### **AGENDA**

1. Review Notes	10:00 – 10:10
2. Review Action Items	10:10 – 10:20
3. HYDROPS Status Report	10:20 – 10:50
4. HYDROPS Background Information	10:50 – 11:10
5. Synoptic Input/Output Report Outline	11:10 – 11:25
6. Schedule Next Meeting or Conference Call	11:25 - 11:30

*April 17, 2003*

## BAKER RIVER PROJECT RELICENSE

### Technical Scenario Teamlet

April 17, 2003  
PSE Office (One Bellevue Center)  
Bellevue, WA

### FINAL DRAFT MEETING NOTES

**Teamlet Leader:** Paul Wetherbee, 425-462-3746, [paul.wetherbee@pse.com](mailto:paul.wetherbee@pse.com)

**PRESENT:** Paul Wetherbee and Lloyd Pernela (PSE), Ruth Mathews on phone (The Nature Conservancy), Stan Walsh on phone (Skagit System Cooperative), Margaret Beilharz on phone (USFS), Mark Killgore (The Louis Berger Group), Gary Sprague on phone (WDFW), Stuart Beck on phone (R-2), and Lyn Wiltse, facilitator (PDSA Consulting, Inc.).

### FUTURE REGULAR WORKING GROUP DATES/LOCATIONS

**NOTE:** *The May 2 meeting has been changed to May 5 so we can incorporate feedback from the May 2 Instream Flows Technical Working Group meeting. We will meet at 10:00 to noon.*

April 25, May 5 (changed from May 2), May 9 from 10:00-noon at PSE Office in Bellevue. These meetings will mostly be by conference call: Dial 1-866-280-6429. Enter participant code 144995#. For those planning to attend in person, the meetings will be in the conference room of OBC (One Bellevue Center) on the 12<sup>th</sup> floor.

### DRAFT AGENDA for APRIL 17 Meeting

10:00 – Noon, One Bellevue Center, (14<sup>th</sup> floor conference room) Bellevue, WA

1. Review Notes
2. Review Action Items
3. HYDROPS Status Report
4. HYDROPS Background Information
5. Synoptic Input/Output Report Outline
6. Set Agenda for May 5 meeting and determine need for facilitation

## **NEW ACTION ITEMS**

- Lyn: Update draft of norms for review at our April 25 meeting and send to Paul to distribute along with draft notes from this meeting.
- Paul: Incorporate suggested changes (in italics) to draft minutes from April 9 meeting and send out final version of notes prior to April 25 meeting.
- Paul: Send out what constitutes the baseline scenario(s).
- Paul: Send out sample scenarios (proposed base-case) run and results.
- Paul: Update TST Operations diagram and distribute to teamlet members: Include title, revision date, double arrows, Solution Team, definition of  $Q_{SRNC}$ , add #7 and 8 to list of teamlet activities, etc.
- Lloyd: Send out list of all HYDROPS technical background information available on the website.
- Lloyd: See that HYDROPS demonstration PowerPoint slides are updates, copyrighted, and distributed by April 25.
- Stan: Send Paul written text for at least of one of desired scenarios by April 21.
- Paul: Draft input request form based on example(s) provided by Stan and Phil and send it to Margaret for review by April 23.
- Margaret: Review/edit Paul's draft of input request form and send it back to him on April 24.
- Paul: Incorporate Margaret's feedback and send draft input request form out to teamlet members for review on April 24.
- All: Review draft input request form on April 24 and be ready to discuss at our April 25 meeting.
- Ruth: Button up with Stuart re: IHA analysis.
- Mark: Draft white paper on dependable capacity and model implementation and send to Paul to distribute prior to our May 5 meeting.

## **REPORT ON OLD ACTION ITEMS**

- ALL: Reviewed HYDROPS request form on PSE website. The consensus was that this request form assumed a more sophisticated level of understanding of the HYDROPS model than exists among the majority of the Working Group participants. Nor is it very user friendly.
- ALL: Sent suggestions for Input/Output package to Paul by April 14. An easier format might include a checklist so people would understand what their choices are in defining a model run. It would be good to display these on an input scenario form so they are easily transferable to the output form. Paul will work with Margaret to attempt to put together such an input form, using scenario request(s) from Stan and Phil.
- Paul: Created a draft template of inputs/outputs and sent to teamlet members to review prior to our April 17 meeting.

## **HYDROPS STATUS REPORT**

Paul reported that he, Lloyd, Mark, Joel, and Cary met with Tung and Joyce of the Powel Group on April 11 to discuss the status and functionality of the HYDROPS model. He walked us through a Powel Memorandum from that date outlining which changes to enhancements (A1 – A17) to the software would be completed by April 25. The memo also listed other software

enhancements that would be complete by June 1. There was also a wish list item (C) that was not tied to a specific time table. A limitation of the model is that is only able to use a single spawning/incubation period.

Paul will return to Victoria for another visit with Tung and Joyce on April 24 and 25. He hopes to return with the model (containing the A list of enhancements).

### **SYNOPTIC INPUT/OUTPUT OUTLINE**

Margaret reported that we are looking at providing requesters of runs 5 or fewer pages of output per scenario. These might include:

- Title page for the run
- List of all that went into the run
- Time series plots
- Statistical analysis

Note: High frequency output will always be stored and available for subsequent analyses.

Ruth will finish reviewing the A24 Study Report that R2 put out and button up with Stuart re: R2's treatment of the IHA analysis that they included along with some additional analysis indicators that the R2 biologists feel are critical to include for the Baker and Skagit Rivers. We will want to be able to show how the Baker Project relates to the effect of the already altered flow it receives from upstream. We would monitor the 33 IHA parameters at the gage at Baker River below the confluence. We will get an update on how to integrate these parameters into our analysis at our April 25 meeting. *Unregulated flows on the Skagit are not intended to be modeled using IHA.*

### **FUTURE ISSUES TO ADDRESS**

Assumptions (e.g., economic *parameters*, *dependable capacity*, price factors, *force majeure*, tc.)

Hydro Climate Analysis Scenario

Fisheries Definition – *i.e. the interaction of the HYDROPS and R2 model post-processing*

Others?

### **AGENDA FOR APRIL 25, 2003**

10:00 – noon at PSE Office in Bellevue (14<sup>th</sup> floor conference room)

1. Review Notes
2. Review Action Items (and draft norms)
3. HYDROPS Status Report
4. Review draft of input request form
5. Review Baseline scenario(s)
6. Set agenda for May 5 meeting:
  - Include report from Instream Flows Technical Working Group mtg. on May 2.
  - Lyn will be out of town: Get alternate facilitator? Go without? Plan who will do the notes, etc.