**From:** Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>
**Sent:** Thursday, June 22, 2017 3:12 PM
**To:** Michelle Havey
**Subject:** Shasta workshop #2, additional attendees and Q&A

Here is my chicken scratch. Good luck!

Walter Burret (MBK)
Anna Garcia
James burg
Dave O'Connor
Tom hard (BLM)
Vance Howard
Andy Duffy
Mark Ryan
Grueth
Ansel
Robert Franklin (Hoopa Tribe)
Mike ?? (ACID)
Ken Emanuel (SWRCB)
Lee He (USFWS)
Rod M (Sutter Mutual)
Bill Emmanuel (RD 108)
Josh blackin (city of Redding)
John werdo (SLDMWA)
Allison ???
Ann Clutter

Lee He: For April and May (Slides 9 and 10), why are TCD temperatures higher than at Keswick? GET BACK

Steven Handy: Interesting operations, but would be helpful to include data on flow and gate changes.
-- Jeff: Go to www.usbr.gov/my/cvo

Steven Handy: Question about storage targets in the current RPA vs. proposed amendment.
-- Suggestion: for each workshop, it would be helpful to remind folks of what the current RPA requires, compared to those that are proposed in the amendment.

Robert Franklin: What are the assumptions for the Trinity in the current and NMFS scenarios?
-- Nancy Parker: carryover storage floor of 600 TAF, ROD flows. Not sure if the modeling dropped below 600 TAF, will have to check.

Deanna Sereno (Slide 25): what is the extent of contract shortages?

Jason Roberts: It would be helpful if Reclamation could provide more details/data on the extent of shortages by contractor and north and south ag and by month in order for folks to understand when Reclamation says EOS cannot be met.

Danielson: In reference to Wilkins Slough (Slide 25), that's 5,000 cfs, correct? Yes.

Doug Obegi: Assumption is COA with the SWP, correct? Yes.

Slide 27: No change in allocations, meet or not meet the spring storage targets purely based on end of September storages the previous year.

Do the current analyses consider Trinity storage? Having Trinity storage higher in the fall could help out with cooler water diversions (and water) so that the eventual temperature analysis could consider that tool of Trinity water.

Deanna Sereno: For the NMFS scenario, please confirm that the only thing Reclamation did was change allocations in order to attempt to meet the end of September storage volumes, but for the rest (e.g, April and May storages, Keswick release schedule) there were no changes to allocations.
-- Jeff: Correct

Slide 40

Tom Boardman: comment: ~700 TAF hit to the CVP is on top of the 800 TAF attributed to the CVPIA.

????: How many fish will benefit? Economic impact to power users?
-- Pablo: We need to drill down on the impacts and see if any potential changes fit within the current NEPA documentation and ESA

Lee He: Slide 40 is helpful to see the differences between the 2 scenarios. Are data on outflow publicly available? How about fall X2?
-- Jeff: Modeling continue to be refined, but the data will eventually be available.

Slide 40: graph on the left should say "March to February" rather than "February to March"

Slide 45: Will need temperature models to see what operations are needed in order to meet the various temperature targets. Those operations would then feed back into CalSim to see what system-wide operations are necessary in order to meet those temperature operations.

Paul Olmstead: This is an amendment on a specific RPA action. What about the effects on the other RPA actions, like in Folsom? Request that it be considered. Also requested a discussion on the financial implications of the 700 TAF hit on contracts.
-- Maria: We do need to consider those, and also those of Delta smelt

What are the next steps, aside from the slides?

Jason Roberts: Request for September meeting to bring info on how flows will change at Wilkins Slough. May have ramifications on spring-run, and also SRSC diversions.

Doug: Will Reclamation consider whether water supply impacts will be distributed across the CVP and SWP in the next phase?
-- Jeff: Current analyses focus of the CVP, will need to consider ramifications on the SWP.

Deanna Sereno: Would be helpful to have a better understanding of a realistic operation to meet the requirements, e.g., realistic draw on Folsom, reduction in outflow, etc.

Any comments on Workshop #2 notes go to Jeff by June 30.

Sent from my iPad