

Tauriainen, Andrew@Waterboards

From: O'Hagan, John@Waterboards </O=MMS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=O'HAGAN, JOHN@WATER7B72A79A-DD76-4B3C-B470-A3BF3B5BCDD7939>
Sent: Tuesday, September 15, 2015 9:10 AM
To: Grober, Les@Waterboards; Howard, Tom@Waterboards; Mrowka, Kathy@Waterboards; Evoy, Barbara@Waterboards
Cc: Coats, Brian@Waterboards; Riddle, Diane@Waterboards
Subject: RE: Lifting of Curtailments
Attachments: image001.png; image002.jpg

Les, with decrease in releases, this may affect Term 91. Look at conditions up to September 11th:
http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/analysis/docs/term91graph.pdf.

From: Grober, Les@Waterboards
Sent: Tuesday, September 15, 2015 8:56 AM
To: Howard, Tom@Waterboards; Mrowka, Kathy@Waterboards; O'Hagan, John@Waterboards; Evoy, Barbara@Waterboards
Cc: Coats, Brian@Waterboards; Riddle, Diane@Waterboards
Subject: RE: Lifting of Curtailments

Just so everyone has the same info...

In response to concerns by us and fish agencies that earlier than predicted gate changes in Shasta may mean that USBR is losing temperature control earlier than just recently modeled, USBR just started the first of what could be several decreases in releases from Shasta. At 1am today USBR decreased releases from Keswick from 7200 to 7000 cfs. There may be additional 200 cfs per day release reductions again tonight and tomorrow, bringing releases down to about 6600 cfs by Thursday.

Delta outflow is around 3000 cfs, and combined state and federal exports were around 2600 cfs yesterday, with plan to go down to 2300 cfs tomorrow; with these Keswick reductions, however, exports may need to be reduced further.

From: Howard, Tom@Waterboards
Sent: Tuesday, September 15, 2015 8:26 AM
To: Mrowka, Kathy@Waterboards; O'Hagan, John@Waterboards; Evoy, Barbara@Waterboards
Cc: Coats, Brian@Waterboards; Grober, Les@Waterboards; Riddle, Diane@Waterboards
Subject: RE: Lifting of Curtailments

Kathy, hold off for today while we see what is going on with Shasta. Discuss with me on Wednesday.

From: Mrowka, Kathy@Waterboards
Sent: Monday, September 14, 2015 4:54 PM
To: O'Hagan, John@Waterboards; Evoy, Barbara@Waterboards; Howard, Tom@Waterboards
Cc: Coats, Brian@Waterboards
Subject: Lifting of Curtailments

The curtailment team is recommending limited lifting of curtailment for pre-1914 rights with a priority of 1903 or later in the Sacramento River, Feather River and Delta watersheds. Lifting is not recommended on the Yuba River, American

River and San Joaquin River watershed (all streams) excluding the Delta. Lifting is done through lyrics notification only. The proposed lyrics is attached.

Staff notes from Monday:

At this time, release of the Yuba and American areas is not warranted due to the full natural flows recently touching zero.

Additional staff notes from Friday:

Attached are the updated Sacramento River supply/demand graphs incorporating the recent monthly informational order data.

For August 2015, the reported demand data is 70% of the 2014 reported demand. June and July demands averaged out to 85% of their respective 2014 months. Given reduced irrigation demands going forward, using a 70% reduction factor for September and October is more appropriate than the peak irrigation months factor of 85%. Applying a 70% factor to the 2014 demand data for September and October results in a scenario where releasing all pre-1914s in the Sacramento and Delta (North, Central & South) is viable.

The proportional demand percentage for September, which is the portion of the total Delta demand allocated to the Sacramento watershed's analysis is 99.4%. For October, since we don't have a DWR forecast yet (new water year), we used last year's actual full natural flows and the percentage is 96.1%. Due to the high percentages, we can base our release analysis on the proportional graph which includes the entire Delta.

In the attached graphs, the adjusted total Senior demand is the solid green line for past months and hashed for future months. We did not project an adjusted 1902 demand line based on the new adjusted demands due to making the graph appear busy; the adjusted 1902 demands would of course be lower than the green lines.

The daily FNF trend (using August data since recent daily FNF data is subject to revision) would be above the total adjusted senior demand line for both the North Delta and Prorated Delta graph variants.

The graph's FNF data are current through September 7th. Folsom is the only holdout through the 9th but Bend Bridge FNF on the 9th is 2,000 acre-feet above the 7th value and Oroville another 600 acre-feet which would push the daily FNF line up around 1,300 cfs; well into the release zone. Monday's update which will hopefully have the Folsom holdout will be much more supportive.

Katherine Mrowka, Manager
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Water Rights
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