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**From:** Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)>  
**Sent:** Tuesday, January 10, 2017 3:58 PM  
**To:** Garwin Yip; Brycen Swart - NOAA Federal  
**Subject:** Re: Shasta "Joint Science Workplan"  
**Attachments:** Central Valley water and heat proposal.docx

On Tue, Jan 10, 2017 at 3:50 PM, Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)> wrote:

On Tue, Jan 10, 2017 at 3:39 PM, Eric Danner - NOAA Federal <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)> wrote:  
Garwin and Brycen,

Do you have a bit more info on this for me? Was the analysis the Miles sent you useful? I am stuck in a life cycle modeling workshop tomorrow and Thurs, so don't have much time to get to this after today.

Eric

----- Forwarded message -----

**From:** Maria Rea - NOAA Federal <[maria.rea@noaa.gov](mailto:maria.rea@noaa.gov)>  
**Date:** Tue, Jan 10, 2017 at 12:58 PM  
**Subject:** Shasta "Joint Science Workplan"  
**To:** Brycen Swart <[brycen.swart@noaa.gov](mailto:brycen.swart@noaa.gov)>, Christina Durham <[christina.durham@noaa.gov](mailto:christina.durham@noaa.gov)>, Garwin Yip <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)>, Eric Danner <[eric.danner@noaa.gov](mailto:eric.danner@noaa.gov)>  
**Cc:** Steve Lindley <[steve.lindley@noaa.gov](mailto:steve.lindley@noaa.gov)>, Rachel Johnson - NOAA Affiliate <[rachel.johnson@noaa.gov](mailto:rachel.johnson@noaa.gov)>, Charlotte Ambrose <[Charlotte.a.ambrose@noaa.gov](mailto:Charlotte.a.ambrose@noaa.gov)>

Eric - We have not been bothering you with all the Reclamation - NMFS discussions on the Shasta RPA, but are now at a point where we need to again come up with a specific work plan for what can be done in the next year, including analysis started in 2017 but bridging into 208, that should be included in a joint work plan that we codify and concur on. The timing is punishing - - we need thoughts by tomorrow afternoon.

Do you have anything off the shelf that reflects your thinking at this juncture? I am also curious to understand what modeling products we may be getting this February in time for the forecast. But that can wait until later.

In the next year, we will have some new storage objectives and temperature dependent survival objectives that we will want to see run through the life cycle model , or any other tools to understand effects.

- Maria

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