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**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>  
**Sent:** Wednesday, June 27, 2018 2:00 PM  
**To:** Garwin Yip - NOAA Federal  
**Cc:** j.stuart@noaa.gov  
**Subject:** Re: TIME SENSITIVE REVIEW of alternatives to the I:E ratio  
**Attachments:** 2018.06.27\_I-E ratio alternatives\_GY\_BB.docx

See attached. My substantive edits (all edits in track changes) were to:

1. delete the option that allows 1:1 over 6,000 cfs at Vernalis. I'm not opposed to exploring this option, but in above normal and wet years it will likely lead to higher exports compared to the BiOp (which would require 4:1 in Above Normal and Wet years).
2. replace the table for "Phase 1 of IV.2.1" (which was a mix of one element of Phase 1 with Phase 2) with the first two elements of Phase 1 (pulled verbatim from the Word version of the 2009 BiOp -- don't think were changes in the amended RPA). The formatting will probably be a bit wonky here even if changes accepted...

On Wed, Jun 27, 2018 at 1:37 PM, Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)> wrote:

BTW, at the end of #3, I added the same text as at the end of #4 that we'll have to change the steelhead loss trigger values.

-Garwin-

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*Garwin Yip*

Water Operations and Delta Consultations Branch Chief

NOAA Fisheries West Coast Region

U.S. Department of Commerce

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On Wed, Jun 27, 2018 at 1:34 PM, Garwin Yip - NOAA Federal <[garwin.yip@noaa.gov](mailto:garwin.yip@noaa.gov)> wrote:

I'll give you guys until 2 p.m. to review and provide any edits (no comments, please) to the attached.

I'm sending as track changes so Barb can see what I did to the base document, but please accept the track changes first before providing your own.

Tick tock, tick tock...

-Garwin-

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*Garwin Yip*

Water Operations and Delta Consultations Branch Chief

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