



Hydro-Optimization Team Meeting

November 9, 2016
12:30 pm – 4:00 pm
(PST)

@ BPA Headquarters
Rm. 678

Webex Meeting

<https://usdoe.webex.com/usdoe/j.php?MTID=m92966d743d9df4efda3218f6138762cb>

Meeting number (access code): 998 011 028

Meeting password: cbMjr253

1-650-479-3208 Call-in toll number (US/Canada)

Co-chairs: Andrew Long (USACE-HDC); George Brown (BPA); Bent Mouritsen (USBR)

Agenda

12:30 pm – 4:30 pm

- Introductions (5 min) All
- Review actions (15 min) George Brown
- JOC/ESC meeting summary (15 min) Andrew/Bent/George
- Flaming Gorge Performance Testing Update and other topics (15 min) Erin Foraker
- The Dalles index tests, GBO validation (10 min) Andrew Long/George Brown
 - Funding status update.
- Energy Efficiency Discussion (15 min) Andrew Long
 - Status of scope development for a pilot project
- Status of Ongoing Projects:
 - GBO Status – FY16 Progress (15 min) Dan Patla
 - Brief status update of work that is underway
 - Lessons learned to share with HOT?
 - 3D CAM Ops Surveys – Share results of latest survey (10 min) Dan Patla
 - Stand Alone T2 Software (10 min) Bent Mouritsen
 - Lessons learned to share with HOT?

- Feedback from project operators?
 - Estimates of the plant efficiency improvements resulting from T2.

- GDACS/T2-Optimization (20 min) John Yen
 - Follow up to prior meetings discussion of T2 adoption and use.
 - Strengths and weaknesses of existing T2 tools
 - Potential improvements
 - Tracking plant operations vs. T2 recommendations

- Break (10 min)

- Digital governor inputs into GDACS (15 min) John Yen
 - Detail the additional information that will be flowing into GDACS.
 - Methods to move the data out of GDACS for analysis?

- Discussion of new ideas/initiatives – potential topics: (up to 1.5 hrs) All
 - Review new ideas/initiatives discussed during last meeting. Review last meeting notes.
 - Transformer no-load losses
 - Relays
 - Automatic or real time optimization status tools. Are the optimization sub-systems functioning correctly (i.e. governors, 3-D cams, Kaplan blade position, head sensors, etc).
 - Discuss any other new ideas/initiatives

- Wrap Up (10 min) George Brown, Andrew Long, Bent Mouritsen
 - Review actions items today
 - Set next meeting date
 - Add new topics for next meeting

***** NEXT MEETING TBD*****

Hydro Optimization Team Consensus Decision Levels

1. I can say an unqualified “yes” to the proposed decision. I am satisfied that the decision is an expression of the wisdom of the group.
2. I find the proposed decision perfectly acceptable.
3. I can live with the proposed decision, although I am not especially enthusiastic about it.
4. I do not fully agree with the proposed decision and need to register my view about it. However, I do not choose to block the decision. I am willing to trust the wisdom of the group.
5. I do not agree with the decision and feel the need to stand in the way of acceptance.
6. I feel we have no clear sense of unity in the Team. We need to do more work before consensus can be reached.