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
  o Funding status update.

- Energy Efficiency Discussion (15 min) Andrew Long
  o Status of scope development for a pilot project

- Status of Ongoing Projects:
  o GBO Status – FY16 Progress (15 min) Dan Patla
    ▪ Brief status update of work that is underway
    ▪ Lessons learned to share with HOT?
  o 3D CAM Ops Surveys – Share results of latest survey (10 min) Dan Patla
  o 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)  
  - 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)  
  - 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)  
  - 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)  
  - 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.