



## Hydro-Optimization Team Meeting

October 26, 2017  
12:30 pm – 4:00 pm  
(PST)

@ BPA Headquarters  
Rm. 194

### Webex Meeting

TDB – request submitted to BPA telephone office

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

### Agenda

#### 12:00 pm – 4:00 pm

- Introductions (5 min) All
- Review actions (15 min) George Brown
- Stand-Alone T2 (Hydros) Demonstration (40 min + 10 min questions) Toby Steves
- Status of Ongoing Projects:
  - GBO Status Dan Patla
    - FY17 Progress (5 min)
    - FY18 Plan (5 – 10 min)
    - Lessons learned to share with HOT?
  - Stand Alone T2 Software (10 min) Toby Steves
    - Lessons learned to share with HOT?
    - Estimates of the plant efficiency improvements resulting from T2.
      - Review Toby Steves' estimates and methods
- Hopper Discussion (30 min) George Brown, Andy Long, Bent Mouritsen
  - Review draft hopper
  - USBR interest and ideas related to the hopper
  - Discuss feedback from Scott Thoren, Matt Dau, and Jeff Sedgwick
- Break (10 min)

- Funding Discussion (30 min) George Brown and All
  - HOT meetings, status of funding for FY18
  - Funding for other initiatives
    - Budget line item proposed for Corps
    - USBR funding discussion
    - Need to value optimization projects, past and present. Can we use the coordination account funding for this?
      - Gross head sensing
      - T1
      - T2
      - 3D cam surveys
  
- Discussion of new ideas/initiatives – potential topics: (up to 1 hrs) All
  - Review new ideas/initiatives discussed during previous meetings. Review last meeting notes.
    - Transformer no-load losses and 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 not yet mentioned
  
- 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.