

# AGENDA

## Public Tour North Umpqua Hydroelectric Project Implementation

October 21, 2008

10:00 Toketee Implementation Center discussion:

- hydro project built 1946-56; designed to use native materials, reduce river impacts
- operates to “follow load” – provide most generation during times of peak demand (like a “water battery” that recharges at night)
- settlement agreement in 2001; new FERC License in 2003
- Resource Coordination Committee
- hundreds of resource improvement projects are scheduled for completion
- examples of projects completed to date, ongoing, planned for the near future

11:00 tour (use USFS transportation due to limited parking):

- Soda Springs dam, reservoir, and bypass reach
  - Reservoir fluctuates 4-8 ft / day to regulate flow to W+S NUR
  - Predator study to determine impacts to anadromous smolts
  - Fish passage (ladder + screen) for anadromous fish, build 2009-2012
    - Ladder design
    - Screen design
    - Spillway modifications
  - Spawning habitat project in bypass reach – built 2004, maintenance & monitoring
    - Added 3 log weirs, 100’s of boulders, and 2,400 cy gravel
    - Created up to 15,000 square ft of new spawning habitat
  - Gravel augmentation program – pulse experiment began in 2004 (2,600 cy gravel)
  - Lunch
- Soda Springs powerhouse
  - Tailrace barrier to prevent fish delay
    - Design and function
    - Plans for Slide Creek
- Fish Creek Diversion
  - Fish Screen
    - Design and function
    - Wetland considerations
- Fish Creek waterway
  - Canal shutoff and drainage system
    - Design and function
    - Plans for other waterways
- Stump Lake
  - Macro-invertebrate ladder
    - Design and function
    - Wetland enhancement

2:00 PM – conclude tour at Toketee Implementation Center

- Q&A