Council’s Regional Hydropower Potential Scoping Study

Generating Resources Advisory Committee

11/19/14
Agenda

- Overview and purpose of study
- Presentation by NWHA on Report
  - Jan Lee, Northwest Hydroelectric Association
  - Lisa Larson, HDR
  - Rick Miller, HDR
- Discussion of analysis
  - Reaction?
Objective

- Hire consultant to review inventory of recent studies and reports, characterize parameters used to determine potential, and draw conclusions
- Determine if *realistic, reasonable* assumption for hydropower potential in the PNW can be drawn from the various reports
  - Focus on new stream reaches, opportunities at existing non-powered dams, and upgrades at existing hydropower facilities
Questions Asked

- Can a reasonable physical potential of energy and capacity be drawn for the PNW from the existing studies?
  - Does this potential integrate the Protected Areas?

- Is there enough information available to apply cost assumptions to the technical potential?

- If a supply curve (potential and cost) cannot be derived, what approach is recommended as a potential next step?
Council’s Intent

- How does this inform our analysis and the development of the draft Seventh Power Plan?
- Council staff issued a memo describing objective of report
  - Report will be **one** resource used in our analysis of hydropower potential for the Plan
  - Report is not a direct input into the Plan
    - Further analysis is needed to digest results and decide what next steps of analysis need to be performed
Deliverables

- Final report
- Presentation
- Addendum – US DOE 2014 new stream reach mapping project
- Comments from BEF

- All materials are available on the Council’s website -
  http://www.nw council.org/energy/grac/hydro/
Next Steps

- Presentation and discussion at GRAC
- Council staff to further digest and analyze the deliverables
  - Potential next steps – develop new hydropower supply curves, recommend action item in the Seventh Plan
- Presentation to the Council in December
- Bring work back to future GRAC meeting
THANK YOU

- Northwest Hydroelectric Association
  - HDR, Inc.
  - MWH Global
  - Black & Veatch
  - Bonneville Environmental Foundation
  - Pacific State Marine Fisheries Commission
  - Oak Ridge National Laboratory