

Council's Regional Hydropower Potential Scoping Study

Generating Resources Advisory
Committee

11/19/14

Agenda

- Overview and purpose of study
- Presentation by NWHHA 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

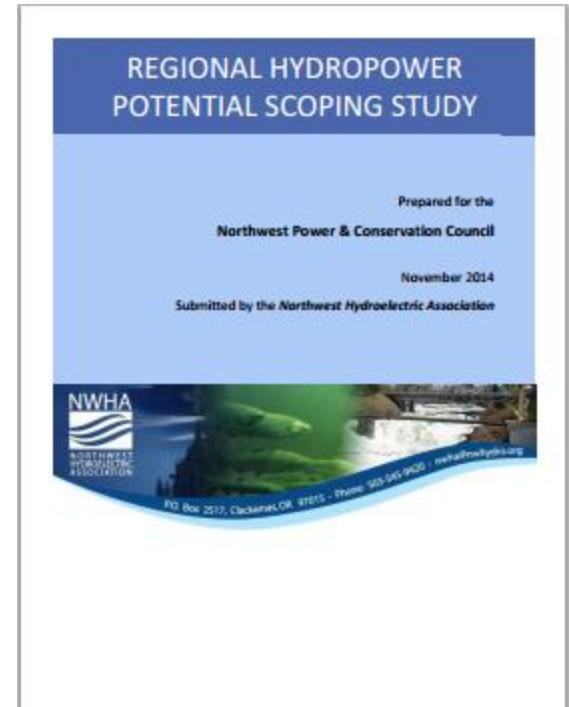
- Can a reasonable physical potential of energy and capacity be drawn for the PNW from the existing studies?
 - Does this potential integrate the Protected Areas?
- Is there enough information available to apply cost assumptions to the technical potential?
- If a supply curve (potential and cost) cannot 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.nwccouncil.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