

Resource Adequacy Technical Committee Meeting

November 17, 2006 – 10:00 a.m. to 3:00 p.m.

851 SW 6th Ave, Suite 1100

Portland, Oregon

Call in number 1-877-848-1997

Guest Code: 312 (Host: 318)

Agenda

10:00 – 10:15 Introductions & Review of the October 20th Meeting Notes

10:15 – 11:00 Assessment of Regional Hydroelectric Sustained Peaking Capability using the Trapezoidal Approximation

11:00 – 11:15 **Break**

11:15 – 12:00 Staged Revamping of the PNUCC NRF Reporting Process to Accommodate NW Resource Adequacy Assessments

- October 26th PNUCC Loads & Resources Data Request—essentially unchanged
- Development of Common Reporting Protocols:
 - Hydroelectric Capacity (see list of questions in Attachment A)
 - Wind Capacity
 - Wind Energy
 - Firm Contract Capacity
 - Winter & Summer Thermal Capacity
 - Planned Resources or Resources under Construction
- Schedule to Complete Revamping

12:00 – 1:00 **Lunch**

1:00 – 2:00 Continuation of Reporting Process Discussion

2:00 – 2:30 Assessing LOLP using the AURORA Model

2:30 – 3:00 Discussion of the Benchmarking Process for the GENESYS Model

3:00 Schedule Next Meeting

ATTACHMENT #1

Regional Capacity Adequacy

Hydropower Capacity

What Question(s) are we Answering?

1. What is the appropriate hydropower capacity value to use in a load-resource (spreadsheet) calculation of the region's capacity adequacy?
- 2.
- 3.

Some Thoughts and Questions

1. The hydropower capacity value should reflect the region's "firm" capability. (similar to the energy analysis)
 - a. Lowest elevation in water record?
 - b. Specific water year for all projects?
 - c. Given probability?
 2. What head should be used to calculate each project's peaking capability?
 - a. Full/empty or average elevations for run-of-river ponds?
 - b. Deep drafts for storage reservoirs – beginning/middle/end elevations?
 - c. PNCA definition?
 3. Single hour peak?
 4. What multi-hour generation pattern is appropriate for hydro projects to follow?
 - a. 6, 8 or ?-hours for 5 days
 - b. Residual hydro load?
 - c. Maximize peak capability?
 5. Maintain all operating requirements? (e.g. pond elevations, rate of change in discharge, rate of change in elevations)
 6. Amount of water to use?
 - a. No limit
 - b. Monthly average
 - c. Maximum without spilling reservoir projects
 7. Use of spot market purchases and sales?
 8. How should hydro capacity set aside to meet operating reserve requirements be treated? Should it be reported separately?
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