

**Status of the Action Items for the
Pacific NW Resource Adequacy Technical Committee
March 9, 2006**

High Priority Actions (lead person in parentheses)

- Develop a recommendation for the capacity metric and target and describe the methodology to be used. (Mary Johannis, Clint Kalich)
Status: Work is ongoing. Goal is to have a recommendation by summer.
- Assess the amount of surplus out-of-region capacity to be used in the LOLP calculations. Also, propose a process by which this data can be updated annually. (Mary Johannis)
Status: Initial assessment is finished. An annual process is yet to be developed.
- Develop a methodology to benchmark the GENESYS model (i.e. verify that it produces accurate results). (John Fazio)
Status: Energy benchmark is complete. Working on a capacity benchmark.
- Explain in more detail how the LOLP metric and target is translated into a load/resource balance metric and target. (John Fazio)
Status: Initial description is written. Working on a better re-write.
- Develop data requirements and a data collection process (which will also address potential confidentiality issues) to allow assessment of resource adequacy to be done. (Wally Gibson, Mary Johannis, Dick Adams)
Status: Work is in progress. PNUCC likely will collect data.
- Clearly define how resources are to be counted for both the energy and capacity metrics, including contracts. (Wally Gibson, Dick Adams)
Status: Work is in progress. Need to review assumptions for wind and other renewable resources.

Medium Priority Actions

- Explore other options for calculating LOLP and recommend appropriate targets for each option. (John Fazio)
Status: Initial analysis is complete. Need to discuss this further with the technical committee.
- Characterize the type of events that make up insufficient seasons, evaluate which events are significant and which are not. (John Fazio)
Status: Initial analysis is complete. Need to discuss this further with the technical committee.
- Review the “cost” and impacts to risk of changing the LOLP target. (John Fazio)
Status: Preliminary assessment is complete. This needs to be re-evaluated in more detail and with better assumptions.
- Define a planning horizon. (Wally Gibson)
Status: This has been discussed but no recommendation has yet been made.

Low Priority Actions

- Review the events of February 1989 and actions taken by the power system to avert a problem. (Mary Johannis and other BPA staff)
Status: This is yet to be done.
- Investigate whether LOLP methodologies for other Reliability Councils can help with our effort, e.g. understand which parameters are used in the probabilistic analysis and whether a threshold is used. (Mary Johannis)
Status: Some preliminary data had been collected. More work is needed.
- Examine how other regions enforce their standards. (Mary Johannis)
Status: Some data has been collected but more work is needed.
- What is the hydro component in the resource mix in other parts of the country? (Mary Johannis)
Status: This is yet to be done.
- Examine how resource supply adequacy is related to bulk transmission and distribution reliability. (Steve Weiss)
Status: This is yet to be done.
- Relate acceptable distribution outages versus generation insufficiency outages as a way of figuring out an acceptable target. Also, consider how the avoidance of price spikes should influence the selection of targets. (Steve Weiss)
Status: The committees have discussed this at length but no real analytical analysis has yet been done.