



B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

Wind Integration Team Updates

November 2009

Thank you for your continuing interest in the Wind Integration Team initiatives of the Bonneville Power Administration. We are committed to keeping interested parties updated on WIT activities.

WIT projects progressing on schedule

Overall, the Wind Integration Team projects continue to progress on schedule. Here's a recent overview update as posted on the Wind Integration Forum Web page:

[http://www.nwcouncil.org/energy/Wind/meetings/2009/10/NWPCC_102909_\(v4\).ppt](http://www.nwcouncil.org/energy/Wind/meetings/2009/10/NWPCC_102909_(v4).ppt)

Northwest Wind Integration Forum workshop presentations posted

In October, we invited you to participate in an Oct. 29 workshop of the regional Northwest Wind Integration Forum co-sponsored by BPA and the Northwest Power and Conservation Council. The workshop was heavily attended and featured a full day of presentations. All presentations are linked at: <http://www.nwcouncil.org/energy/Wind/meetings/2009/10/Default.htm>

DSO-216 operating protocols working well, may be fine-tuned

In October, BPA implemented automated wind protocols for wind projects in its balancing authority area and its 2010-2011 rates, which include financial penalties for failure to comply with dispatchers orders when reserves for wind generation are consumed. We saw immediate and substantial responses from wind generators. We appreciate the active cooperation of the wind power community in developing and implementing these new system management techniques. While wind projects appear to have tried to comply, many did not fully meet the requirements in October. BPA staff is proposing to begin counting "strikes" against wind projects that miss their target generation limits in November. BPA also has identified options for refining how it assesses strikes under DSO 216. For details, see:

http://www.transmission.bpa.gov/operations/wind_operations/docs/Clarification_DSO216.pdf

Intra-Hour Scheduling to launch Dec. 1.

A BPA Intra-Hour Scheduling Pilot Project commences Dec. 1, 2009. Scheduling generation and transmission more than once within each hour is one of the major initiatives in BPA's Wind Integration Team Work Plan to adapt transmission management to accommodate variable generation. The pilot will allow wind generators in BPA's balancing authority area whose generation is in excess of their schedule to schedule excess wind generation on the half hour. This first pilot stage will be for energy exports only and will be limited to wind generators that are experiencing unscheduled generation increases during the hour. We will use results of this pilot to help determine the next



B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

Wind Integration Team Updates

steps in BPA's work to explore and expand into intra-hour scheduling. BPA met with customer utilities on Nov. 19 to review how the pilot will work. See the presentation at:

http://www.transmission.bpa.gov/operations/wind_operations/docs/Intra-Hr_Sched_Live_Mtg_Presentation_11_19_09.pdf

If you have any questions about BPA's wind integration projects, please e-mail me or call me at 503-230-5236. Thanks again for your interest in BPA's wind integration efforts.

Eric King

Wind Integration Team Manager