



**BPA Wind Integration Team Initiatives
Update to WIT E-mail List
June 2010**

This is the monthly update on BPA's Wind Integration Team initiatives for June 2010. If you have questions about any of these initiatives, contact Eric King, WIT project manager, at 503-230-5236.

BPA considering firm contingent responses: BPA received comments from 24 parties on its [discussion paper](#) on requiring use of a firm contingent energy product code for wind power in its balancing authority. Views on the issue vary widely, and commenters raised a number of new issues. BPA is taking the next few weeks to consider the comments before responding.

We now expect to respond to the comments by the end of July. Comments are posted at http://www.transmission.bpa.gov/customer_forums/firm_contingent/default.cfm; all documents on this matter will be posted to this page. We appreciate all participants' thoughtful submissions.

Dynamic transfers begin July 1: [Dynamic transfer capability](#) amounts awarded in May go into effect for one year beginning July 1. In accordance with this pilot project schedule, BPA plans to quantify amounts of available Dynamic Transfer Capability available in calendar year 2011 and will post and open a request period for these amounts on Aug. 16.

Netting for DSO 216 in effect: On June 10, BPA's business practice allowing netting of wind projects owned or operated by a single company responding to DSO 216 went into effect. Iberdrola is currently the only participant. Through numerous DSO 216 events in the high water period of early June (see next page), it complied successfully with all dispatchers orders.

Three wind projects now on automatic generation control for DSO 216: The Combine Hills II wind project near Pendleton, Ore., and Linden wind project near Goldendale, Wash., have joined Windy Flats in voluntarily being wired directly to BPA Automatic Generation Control, but only for purposes of responding to DSO 216. A fourth project is expected to join them this fall. The direct connection ensures automatic response to a DSO 216 order, even if no one is in the wind project's control room, eliminating the need to have an operator observe a BPA signal and respond.

Customer Supplied Wind Balancing Services Business Practice complete: Powerex and Iberdrola alone commented on a draft business practice for use in the upcoming Customer Supplied Generation Imbalance Pilot Project. The comment period closed June 4; the final business practice was posted June 17. The final business practice and BPA's response to comments are posted on the [BPA Transmission Services Business Practices](#) page. Look for "Customer Supplied Wind Balancing Services Pilot" under the drop-down menu labeled, "Go To."

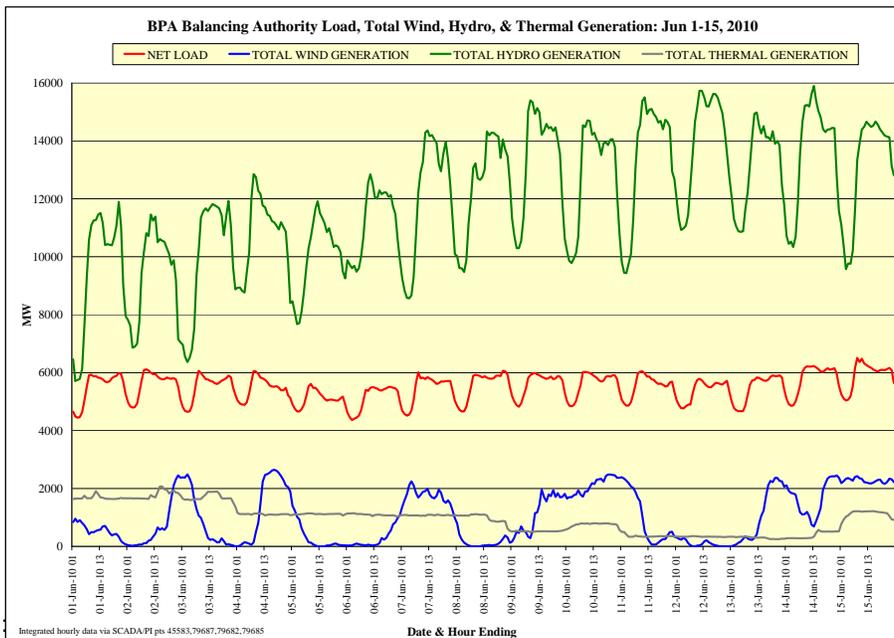
This pilot is designed to begin development of systems and processes to enable customers to supply wind balancing service from their own resources or from parties other than BPA. During the pilot, a participant's wind resources will be netted for the purposes of calculating Generation Imbalance. The participating customer, not BPA, will deploy reserves needed to balance its netted resource. Participants will be responsible for qualifying and managing resources, deploying resources consistent with BPA-defined performance parameters, complying with dispatcher directives, including DSO 216, managing balancing plan contingencies and financial settlement with BPA. Iberdrola is the only customer participating in this pilot project. The pilot project is slated to launch no later than Oct. 1.

International wind experts slated for July 29-30 forum: The Northwest Wind Integration Forum Technical Work Group, cosponsored by BPA and the Northwest Power and Conservation Council, is holding a two-day meeting July 29-30 on wind integration issues and solutions world-wide. Panelists include representatives from the Spanish, German and Danish transmission system operators and the Nord Power Pool Exchange. The Northwest experience also will be discussed. Pre-registration is requested; go to the Council’s [Wind Integration Forum](http://www.nwcouncil.org/energy/Wind/meetings/2010/07/Default.htm) page for the agenda and to sign up. <http://www.nwcouncil.org/energy/Wind/meetings/2010/07/Default.htm>

Early June system stress caused temporary reductions in wind balancing reserves: The first two weeks of June saw immense, unexpected runoff in the Snake and the Columbia rivers that threatened to jeopardize survival of juvenile salmon listed under the Endangered Species Act. Massive amounts of water spilling over dams can increase nitrogen levels in the water to levels unsafe for fish, and increased runoff and forecasts threatened to reach those levels.

To reduce excess spill, BPA requested reduced nuclear plant output, sold power at very low prices, gave away electricity free, and temporarily reduced generation imbalance reserves for wind projects in its balancing authority area, among other steps. BPA had warned that this situation might occur, and wind project owners cooperated throughout. Significant reserve reductions occurred June 5 and 9-13. On June 7, BPA warned that reserve reductions might be necessary for the duration of high flows; on June 9, BPA began reducing reserves to levels available on each hour. After working with varying amounts of reserves for a day, wind project operators said they would prefer a low, set amount. BPA moved to a flat 300 MW reserve amount June 11-13.

We appreciate the wind community’s constructive participation in this effort. The good news is, BPA’s and the power community’s cumulative actions worked. The fish stayed safe. Click [here](#) for an overview of BPA’s actions during the high water and [here](#) for a brief after-the-fact review. BPA is preparing an after action report. The graph below displays generation of all types in BPA’s balancing authority during the high-water period. Click [here](#) to go to the (larger) posted edition.





2010-11 Wind Integration Roadmap and Timeline

