



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

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

Thanks very much to all the many individuals and organizations who have worked with BPA on wind integration initiatives this year. Together, we have made great progress in creating tools to enable very large amounts of variable energy resources to work reliably in the transmission grid. The region's wind fleet is performing smoothly, paying its own costs, and the lights are staying on. Wind power is becoming a significant part of the Northwest energy supply and market.

We expect to move even faster in 2011. It's critical to keep the forward momentum on wind integration initiatives as the wind fleet in the Northwest continues to grow rapidly. Thank you again for your constructive involvement and participation this year, and we look forward to continuing to work with you in the year to come.

Draft WIT 2.0 Work Plan issued: BPA has posted its draft Wind Integration Team Work Plan for fiscal year 2011, the [draft WIT 2.0 Work Plan](#). The draft includes seven pilot projects – three to advance intra-hour power scheduling, three that seek new generation imbalance reserves beyond federal hydropower, and a seventh that involves use of three different wind forecasts this year. The WIT 2.0 projects build on the success of our 2009-2010 pilot projects and move farther into regional efforts such as the Intra-hour Transaction Accelerator Platform of the Joint Initiative and a proposed intra-hour scheduling pilot involving the California Independent System Operator.

BPA is requesting comments on the draft WIT 2.0 Work Plan through Jan. 21, 2011. We will hold a public meeting to review and discuss the draft work plan Jan. 13, 2011, from 9 a.m. to noon in the General Services Auditorium at BPA headquarters in Portland. If you plan to attend the meeting on the draft WIT 2.0 Work Plan, please RSVP to WIT Program Manager Eric King at evking@bpa.gov so we will know how many people to expect. A phone bridge will be available at 503-230-5566. The passcode is 9052#.

The draft WIT 2.0 Work Plan is posted at:

<http://www.bpa.gov/corporate/WindPower/docs/WIT-2-0-Work-Plan-V2.pdf>

A cover letter is at:

http://www.bpa.gov/corporate/WindPower/docs/WIT_2_0_Plan_cover_letter_2.pdf

We look forward to your participation and response.

Rate Case workshop on variable energy supplemental service: Also on Jan. 13, from 1 to 4 p.m., BPA is holding a rate case workshop on the potential for providing supplemental balancing reserve capacity from non-federal resources for Variable Energy Resource Balancing Service (VERBS) and on the possibility of a committed intra-hour scheduling pilot in the FY 2012-2013 rate period. The rate case workshop is open only to rate case parties. If you have any questions, please call Eric King at 503-230-5236.

Dynamic transfer capability discussions continue: Customer interest in dynamic transfer capability is high, judging by attendance and discussion at a Dec. 2 DTC workshop. BPA has posted a [DTC frequently asked questions](#) document responding to questions and comments raised at that workshop. BPA received comments from 10 stakeholders on draft revised business practices on 1) technical requirements for operating and scheduling DTC and on 2) requesting and awarding DTC on BPA's system. BPA will respond to comments on both business practices in January. Both draft business practices can be accessed at the following link: http://transmission.bpa.gov/business/Business_Practices/

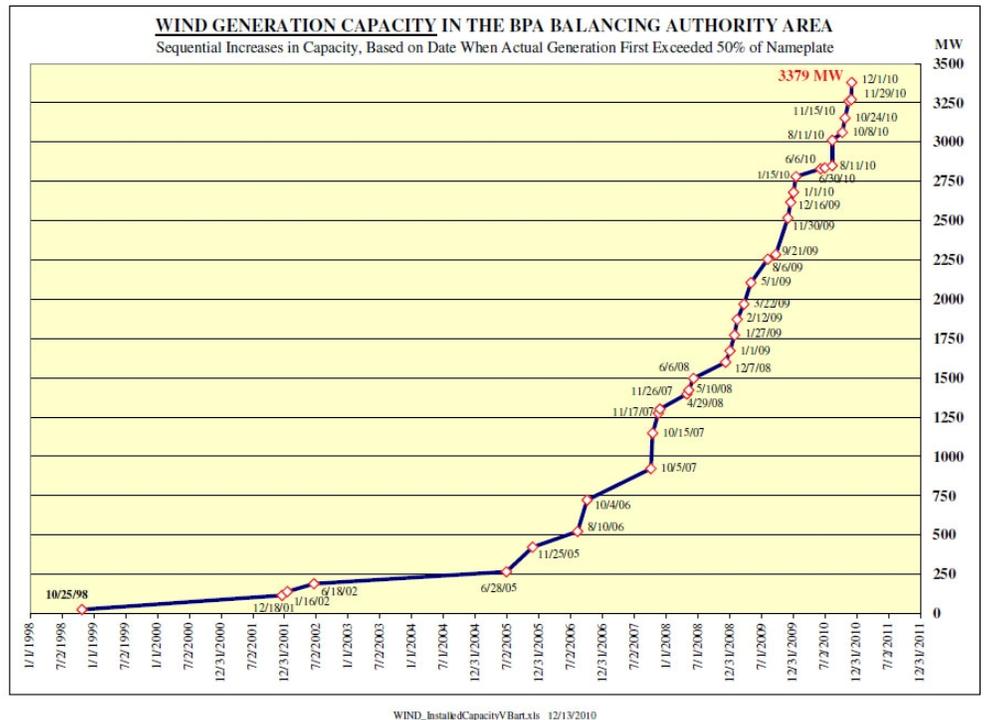
On requesting and awarding DTC, we expect to complete the final business practice in early January to help meet to meet rate case deadlines for customers to elect whether to self-supply wind balancing services or purchase them from BPA in fiscal years 2012-2013.

On operating and scheduling DTC, we expect to post a revised business practice for a second round of comments in mid-January.

Through ColumbiaGrid, BPA is participating in technical discussions with the Wind Integration Study Team to examine technical issues relating to measuring DTC. The WIST team also plans to look into whether and how DTC could be expanded on regional power systems to accommodate future requests for DTC, such as options to automate Remedial Action Schemes and/or invest in additional transmission equipment.

Wind resource keeps growing: BPA now hosts 3,379 megawatts of wind power in its balancing authority area. The record station control error for the wind fleet to date was 1,281 MW at 3:05 a.m., Dec. 13, 2010. BPA implemented its operating protocol DSO 216, and wind generation dropped from 2,160 MW down to 1,470 MW, taking the system back within its assigned generation imbalance reserve levels.

The most popular page on BPA's entire Web site is the [wind generation data page](#) where these sorts of statistics (and many others) may be found. For example, see the last three hours of wind output in BPA's balancing authority at the bottom of the Web page. Go to: <http://transmission.bpa.gov/Business/Operations/Wind/default.aspx>





Overgeneration management gets its own mail list: BPA has been sending information on Columbia River high water management to its wind integration and TechForum mail lists. We are now establishing a separate mail list on overgeneration management, per se. If you would like to continue to receive information on this issue, please e-mail Kurt Lynam at kolynam@bpa.gov or see the [high water management Web page](#). BPA is working on expanding tools to manage overgeneration during high water periods, and expects to have new tools and procedures in place by April 1, 2011, for use during the spring runoff and fish migration season. For details, see a [Dec. 17 letter](#) from Overgeneration Management Tools Coordinator Nic Lane.

Council gets Wind Integration Action Plan update: The list of actions completed to date is very long, but the remaining to-do list is, perhaps, even longer. That's the short take on an update on the 2007 Northwest Wind Integration Action Plan presented to the Northwest Power and Conservation Council Dec. 14 by Elliott Mainzer, BPA executive vice president of Corporate Strategy. Mainzer called on utilities throughout the region to continue closely working together to address wind integration challenges. His progress report to the Council is posted at: <http://www.nwcouncil.org/news/2010/12/3.pdf>

FERC extends comment on proposed national variable energy resource rules: In response to requests from BPA and others, the Federal Energy Regulatory Commission has extended the comment deadline on its Notice of Proposed Rulemaking on Integration of Variable Energy Resources in the nation's transmission system to March 2, 2011. The proposed reforms are intended to remove barriers to the integration of variable energy resources. Information is posted at: <http://www.ferc.gov/industries/electric/indus-act/integration-renew.asp>