

Northwest Wind Integration Forum

Northwest Wind Integration Action Plan Status

June 27, 2007

Action	Lead Organization	Lead and Contact	Subcommittee Members	Status/Upcoming Work	Issues/Key Actions	Target Completion
A01 Reassess capacity value of wind	Resource Adequacy Forum	C. Kalich (Avista)	J. Fazio (NPCC) M. Johannis (BPA) C. Kalich J. King (NPCC) S. Melchiorri (PGE) K. Dragoon (RNP) R. Noteboom (Grant)	Subcommittee established Collecting data from project owners Analyst identified Funding secured (BPA)	Complete data acquisition (King) Transfer funding to NPCC (Johannis) Establish contract for data analysis (King) July deadline for initial reassessment is optimistic	Jul 2007 (Initial) 2008 (Refinement)
A02 Refine wind integration costs/Estimate potential for reducing costs	Avista BPA IPC PacifiCorp PSE PGE Grant PUD	C. Kalich (Avista) S. Barton/B. McManus (BPA) K. Bokenkamp (IPC) John Apperson (PacifiCorp) Joe Hoerner (PSE) T. Bettis (PGE) D. Lozovoy (PAC) R. Noteboom (Grant) M. Milligan (NREL) B. Kirby (ORNL)	C. Kalich S. Barton B. McManus K. Bokenkamp J. Apperson J. Hoerner/I. Netik T. Bettis B. Kirby D. Lozovoy M. Milligan K. Dragoon R. Noteboom J. Bermejo	AVA - Additional refinement late July BPA - Generation following rate workshop 6/6. IPC - Rerunning expanded assessment; workshop 6/20 PAC - Collecting data from Marengo, will assess regulating reserve levels PSE - Collecting data from Wild Horse PGE - Initiating study Grant - Initiating study	Prepare white paper for TWG in fall (Subcommittee) Define and obtain load and other needed information for proposed NREL comparison of wind output and load using A03 database when available (Subcommittee).	Continuing
A03 Develop high resolution dataset	BPA	J. Pease (BPA)	J. Pease M. Milligan J. King R. Pascal	BPA & NREL contract w/3TIER to develop 2km resolution, 10 min. data, 10, 20, 50, 100, 200m for 4-state PNW. 2004-06.	Complete contracting process (BPA, NREL, 3TIER). Identify ground truth sites (3TIER).	EOY 2007
A04 Develop transmission planning methodology	NTAC	C. Reese (BPA)	To be organized by NTAC	NTAC kickoff meeting held 6/21. Next meeting late July.		Sep 2007
A05 Apply transmission planning methodology	NTTG Columbia Grid					Initiate by EOY 2007
A06 Review regulatory barriers	OPUC	S. Brown (OPUC)		OPUC Workshop to identify barriers (5/11) Follow-on WECC-wide commission meeting this fall		End of 2007

A07 Improve use of transmission	BPA	M. Jackson (BPA)	S. Enyeart M. Jackson S. Brown	FERC Order 890 mandates conditional firm service and consideration of redispatch. WIAP task will be accomplished in conjunction with BPA's response to O. 890. Full implementation of conditional firm will require several years. Bonneville FERC 890 Workshop 6/13.	Establish subgroup to discuss "less-than-firm" transmission products (S. Enyeart).	Continuing
A08 Develop plans of service	BPA	K. Kohne (BPA)		W. of McNary: Prepare supplemental EIS. W. of John Day: Open stakeholder discussion; prepare EIS. I5: Open stakeholder discussion. Cross-Cascades: Continue joint studies of options All: Discuss at 5/15 NTAC.		EOY 2008
A09 Develop transmission financing model	BPA	M. Jackson (BPA)		A cost allocation and financing methodology will be reviewed by BPA Transmission Issues Policy Steering Committee on 5/16. Administrator approval is expected by end of May. Implementation is planned for this year.		EOY 2007
A10 Evaluate delivery of wind energy from Montana	NTAC	C. Reese (PSE)				Jul 2008
A11 Evaluate wind forecasting network	Wind Integration Forum	E. Mainzer (BPA)				Jul 2008
A12 Report on ACE Diversity Interchange pilot		C. Opatrny		Pilot initiated 3/31 w/PAC & NEW participating. IPC will join in June. Evaluations will begin in May.	Presentation of results at 7/12 TWG meeting (Opatrny).	Jul 2007 (pilot results)
A13 - Expand market for flexibility	Wind Integration Forum	E. Mainzer (BPA)	To be organized	Bring together interested parties to define products and explore approaches.	Workshop scheduled for 7/12 TWG meeting (Mainzer)	EOY 2007
A14a - Characterize flexibility augmentation options	Wind Integration Forum				A. Duncan is seeking ways of moving up characterization to support demo projects if desirable.	EOY 2008
A14b - Characterize flexibility tradeoffs	NPCC	J. King (NPCC)				EOY 2008
A15 Develop planning framework to maximize value	NPCC	J. King (NPCC)				6th Power Plan
A16 Establish Wind Integration forum	NPCC	J. King (NPCC) E. Mainzer (BPA)			7/ Conf call to schedule next WIF meeting (King, Mainzer).	April 2007