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November 29, 2011

#### **MEMORANDUM**

**TO:** Power Committee

**FROM:** Terry Morlan

**SUBJECT:** Discussion of Power Division Workplan for 2012

The Power Committee will discuss a proposed Power Division workplan for 2012 at its December 6 webinar meeting. There are a few goals for this discussion including: adding or subtracting potential topics, adjusting schedules, and discussing the nature of, and need for, a presentation to the full Council on the workplan in January.

The workplan is currently at a lower level of detail than committee members worked from last year, but it will provide a good starting point. We can consider whether additional detail is useful for the Power Committee.

Three items are attached to this cover memo. The first is the workplan organized by management area within the Power Division. Second is a PowerPoint presentation summarizing the workplan. Third is the start on an agenda planning system for Power Committee and Council meetings during calendar year 2012. Obviously, this is only a start on meeting agenda items as topics are added and evolve during the year. One thing for Power Committee members to start thinking about is possible local interest presentations for meetings in their states.

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503-222-5161 800-452-5161 Fax: 503-820-2370

DESCRIPTION	SCHEDULE	STATUS
ECONOMIC ANALYSIS		
Update and re-estimate short-term load forecasting model	May	
Develop short-term load forecast for 2015 and 2017 adequacy assessment	June	
Evaluate economic, fuel price, electricity price, and demand forecast of 6th Plan compared to most recent actual data as part of mid-point check in	July	
Enhance the Energy 2020 model to explore natural gas demand, supply side, and electricity price forecasting,	Components in Mar, Apr, June, Nov	
Maintain and update data bases	Ongoing	
Track demand response and smart grid demonstrations and other developments	Ongoing	
Analyze CoStar data for use in Council planning and analysis	Dec	
Develop methods to estimate the effects of appliance standards and building codes on electricity demand	Dec	
IEAB coordination	Ongoing	
Replace four IEAB members	Jul solicitation - September appointment	
Integrate new building stock data into models	Dec	
Evaluate effects of PHEV on power system and electricity demand	Jun	
Work with other organizations to improve enduse load shape data	Ongoing	
Continue to convene PNW demand response project	Ongoing	

DESCRIPTION	SCHEDULE	STATUS
CONSERVATION		
Coordinate and manage RTF	Ongoing	
Assess progress on efficiency acquisition for mid-point check in	Sept	
735555 progress on emerciney acquisition for mid-point eneck in	БСРГ	
Coordinate and manage RTF Policy Advisory Committee	Sept - Nov	
Minting and add to CC in many than her day and and	Oversing	
Maintain and add to efficiency technology data and costs	Ongoing	
Integrate new building stock data into supply curve analysis	Dec	
Participate in utility IRP advisory groups	Ongoing	
Support appliance efficiency process at national level	Ongoing	
support appriance efficiency process at national level	Oligonig	
Work with NEEA, Bonneville, ETO, and others to identify new efficiency opportunities and implement programs to acquire	Ongoing	
opportunities and implement programs to acquire		

DESCRIPTION	SCHEDULE	STATUS
SYSTEM ANALYSIS AND GENERATION		
Maintain generating resource data base	Ongoing	
Assess new generation capability added since 6th Plan for mid-point check-in	Aug	
Assess changes in generating technology and costs for mid-point check in	Aug	
Co-Chair the Wind Integration Forum	Ongoing	
Manage the development of approaches for mitigating oversupply	Ongoing	
Assess the adequacy of the power system	Jun - Jul	
Enhance the Genesys Model capabilities	Sept	
Assess the use of Aurora and potential alternatives	Oct	
Complete the Genesys oversupply analysis	Mar	
Determine assumptions to be used in adequacy assessment	Apr	
Enhance models to better address transmission constraints	Dec	
Hydroelectric potential assessment	Dec	
Follow Columbia River Treaty analysis and summarize for Council	Onging	
Climate change analysis with revised CIG data, potential effects on hydrogen	Nov	
Analysis of energy load carrying capability of wind	Mar	
Track activities of WECC, Columbia Grid, and NTTG	Ongoing	
Track climate change policy developments and potential effects	Ongoing	

Power Committee Webinar December 6, 2011

#### Snapshot of 2012 Workplan Feb Mar Apr May Jun Jul Oct Item Aug Nov Dec Wind Capability Electric Vehicles Adequacy Assessment Mid-Point Check-In Hydro Potential Ongoing Coordination Implement Prepare for Next Plan

## **Ongoing Coordination Activities**

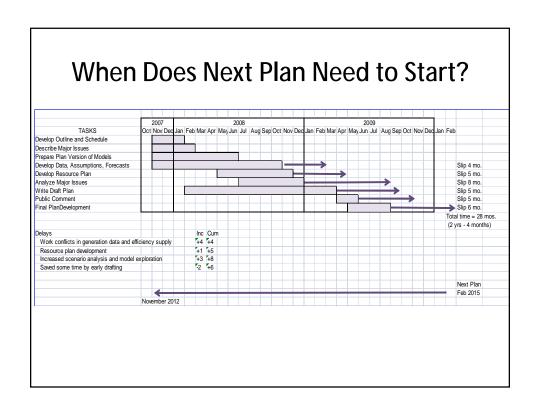
- Adequacy Forum
- Wind Integration Forum
- Regional Technical Forum
- RTF Policy Advisory Committee
- Demand Response Project
- Other advisory committees
- IEAB

### Implementing the Sixth Plan

- Implementing Council Action Plan items
- Tracking actions for others in Action Plan
- Supporting efficiency acquisition
  - Working with NEET, NEEA, utilities, federal standards, building codes, I-937 implementation, ETO, RTF reporting
- Participating in federal appliance efficiency standards process
- Wind integration, demand response, and system flexibility

### Preparing for the Next Power Plan

- Update and enhance supporting data
- Tracking and updating technology and policy changes
- Updating and enhancing model capabilities
- Begin identifying important issues for the plan to address
- Implement significant staff transitions



## **Available Workplan Related Materials**

- Workplan by manager area (packet)
- Council and Power Committee agenda plans (packet)
- Preliminary action plan status assessment (sent to Council 11/15 by email)

Month	Potential Topics			
Jan 10-11, 2012				
(Portland)				
	Report on action item ANLYS-9. Development of the supply side of			
	the demand forecasting system.	Staff Presentation	Р	
	Preliminary report on oversupply relief options	Staff Presentation	Р	
	Revised RTF charter and bylaws	Decision	С	
	Direct use of natural gas paper release for comment	Decision	С	
	Incentive effects of Bonneville pricing	Tentative	Р	
Feb 7-8, 2012				
(Webinar)				
	Status report on the Wind Integration Forum	Staff Presentation	С	
	Public comment on direct use of natural gas paper	Comment	С	
			+	
Mar 6-7, 2012				
(Portland)				
	Estimating the energy load carrying capability of wind generation		D C	
	Wind oversupply analysis		P, C P, C	
	Bonneville Research Program (Terry Oliver)		C C	
	Verification of non-firm and market supply assumptions		P	
	Presentation by SoloPower (Tim Harris, President &CEO)		C	
	Final direct use of natural gas paper and council policy	Decision	C	
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Apr 10-11, 2012			
(Washington)			
( 33 )	Report on ANLYS-8. Improve natural gas demand forecasting		Р
	Non-firm and market supply assumptions for adequacy		
	assessment		Р
	Update on electric and hybrid vehicles		P
	Space on disease and hybrid verillines		<del>'</del>
14 00 0040			
May 8-9, 2012			
(Hood River)			
	Review of Action Plan implementation	Staff Presentation	P, C
Jun 5-6, 2012			
(Montana)			
(IVIOTILATIA)	Undata an Data Contar Landa		P
	Update on Data Center Loads		P
Jul 10-11, 2012			
(Boise)			
/			
	Report on Oversupply Technical Oversight Committee findings		P, C
	Columbia River Treaty analysis update		C
	Status report on demand response and smart grid development		C
	Revised short-term load forecasting model/ With 2015 and 2017		
	loads forecast for RA	Staff Presentation	Р
		Stall Presentation	
ĺ	2012 Adequacy Assessment for 2017		С

Aug 7-8, 2012 (Washington)  Review of fuel price forecast Reviw of economy and dema Review of electricity prices Update on generating resour Review of generating resour Review of generating resour Mid-Plan Monitoring Report - RTF Proposed workplan and	and forecasts  ce development	 	P, C P, C P, C P, C P, C
(Washington)  Review of fuel price forecast Reviw of economy and dema Review of electricity prices Update on generating resour Review of generating resour Review of generating resour Mid-Plan Monitoring Report - RTF Proposed workplan and	and forecasts  ce development	 	P, C P, C P, C
Review of fuel price forecast Reviw of economy and dema Review of electricity prices Update on generating resour Review of generating resour Review of generating resour Mid-Plan Monitoring Report RTF Proposed workplan and	and forecasts  ce development	 	P, C P, C P, C
Reviw of economy and dema Review of electricity prices Update on generating resourd Review of generating resourd  Sep 11-12, 2012 (Montana)  Mid-Plan Monitoring Report- RTF Proposed workplan and	and forecasts  ce development	 	P, C P, C P, C
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Sep 11-12, 2012 (Montana)  Mid-Plan Monitoring Report - RTF Proposed workplan and	ce technologies and costs		P, C
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			Р
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Genesys enhancements pre			Р
	ology, development, and cost		P,C
Council appointment of IEAB	3 members		С
Oct 9-10, 2012			
(Astoria)			
Mid-Plan Monitoring Report -	- Draft Paper		P, C
RTF PAC Comments on RT	F Proposed workplan and budget for		
2013			Р
Description of production ver	rsion of Genesys Model		P
Progress report on NEET Ac			P
<del>y</del> ,			
Nov 6-7, 2012			

(Idaho)			
	Climate change scenario analysis		P, C
	Council update on portfolio model changes and enhancements		Р
	Updates on RBSA /CBSA and Integration of new building stock		
	data into models and analysis		Р
	Presentation on Regional Commercial Building Stock Database		
	(CoStar/Commercial Building Inventory data and its role)		Р
	State of Transmission in the region and representation of		
	transmission in Council's models	Staff Presentation	P
Dec 4-5, 2012			
(Webinar)			
(WCDIIIai)	Schedule and major issues for 7th Power Plan		P, C
	Report on impact of federal appliance standards (this will depend		,, ,
	on passage of new standards)		P, C
	Oversupply solution report final		С
	Other Issues to Track and Report:		
	Wind integration activities		
	Columbia River Treaty		
	Smart-Grid/DR developments		
	Resource technology trends		
	Climate change studies/implications		
	Utility IRPs		
	<ul> <li>Topics of local interest</li> </ul>		