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September 6, 2023

MEMORANDUM

TO: Power Committee Members

FROM: Jennifer Light, Director of Power Planning

SUBJECT: Committee Update and Planning

BACKGROUND:

Presenter: Jennifer Light

Summary: The Power Committee will start with another Committee Update and Planning agenda item. This is meant to be a standing item on the Committee. Jennifer will briefly address the topics for the month and their alignment with the division workplan and updates on other ongoing work in the division. This will provide an opportunity for Council members to raise questions or discussion items to inform follow-up and future agenda items.

Committee Update and Planning

September 12, 2023

September Meeting Topics (Part 1)

- Most topics continue to fit into the implementation of the 2021 Power Plan
- Includes:
 - Two more IRP updates
 - Another update on transmission efforts in the region
 - Perspectives from stakeholders on regional efforts
 - Bonneville update on post-2028 contract development

Primary Function	Tasks	Timeframe (CY)
A. Implementation of the 2021 Power Plan and Development of the Mid-Term Assessment	A.1. Reporting on Plan Implementation	
	1. Tracking and reporting on energy efficiency accomplishments relative to the 2021 Power Plan Conservation Program.	Annual Report - Q3
	2. Tracking and reporting on generating resource builds, both in region and across the WECC, as compared to the 2021 Power Plan analysis and strategy.	Annual Report - Q1
	3. Tracking and reporting on demand response efforts in the region relative to the 2021 Power Plan.	Annual Report - Q4
	4. Tracking and reporting on progress across other elements of the 2021 Power Plan, including model conservation standards, research, etc.	Ongoing
	5. Convening and/or participating in regional discussions on topics related to the 2021 Power Plan recommendations, including hydro flexibility and assessment of refined datasets to inform consumer impacts.	Scoping - 2023
	A.2. Conduct Periodic Studies on Regional Adequacy	
	1. Develop an updated fuels price forecast.	Q4 2023
	2. Create an updated in region hourly load forecast and updates to WECC-wide loads to inform the Adequacy Assessment.	Q1 2024
	3. Update the wholesale electricity price forecast and the related emissions forecast.	Q2 2024
	4. Conduct the regional Adequacy Assessment and prepare report detailing the analysis and findings.	Q3 2024
	A.3. Tracking Regional Efforts and Policies	
	1. Track emerging technologies, both supply and demand side, providing periodic updates to the Council.	Ongoing - Quarterly Reports
	2. Coordinate with regional utilities on integrated resource planning and other activities to share plan findings and leverage utility insights and advancements.	Ongoing - Annual Report
	3. Track markets efforts, including day-ahead market offerings and transmission planning, to inform Council analysis	Ongoing - Quarterly Reports
	4. Track local, state, and Federal policies that impact the energy system and provide periodic reports to Council on new developments.	Ongoing - Annual Report

September Meeting Topics (Part 2)

- This meeting will also touch on our preparation for the 9th Power Plan
 - Proposed approach for a new regional capital expansion and optimization model
- Much of this is happening in the background right now, and highlighted through my other updates

B. Preparation of Tools and Data for the Ninth Power Plan	B.1. Tool Enhancement	
	1. Update load forecasting capabilities to better reflect the current power system.	Selection - Q1 2023 Built Out - Q1 2024
	2. Explore new capital expansion modeling approach to provide better optimization for future power system needs.	Selection - Q3 2023
	3. Continued enhancement of GENESYS operations to support periodic studies and next power plan.	Ongoing - Annual Report
	4. Updating tools used to estimate new resource options, both supply and demand side, in preparation of the next power plan.	Ongoing
	B.2. Enhanced Data and Modeling	
	1. Develop approaches to improve the data assumptions and modeling of commercial and industrial energy efficiency potential.	Q2 2023, Ongoing
	2. Develop methodologies to quantify flexibility and resilience impacts from energy efficiency, with a goal of informing other resources as appropriate.	Q1 2023, Ongoing
	3. Refine new multi-metric adequacy standard approach, focusing on risk thresholds.	Ongoing - Annual Report
	4. Conduct an updated upstream methane analysis with regional stakeholders.	2024 or Later
	5. Maintaining climate change data to ensure it remains relevant and improve analysis for loads and resources in the ninth power plan.	Ongoing
	6. Improve data and modeling of emerging technologies, including distributed energy resources and storage.	Ongoing
	7. Explore improvements to modeling hydrogen fuel production and impacts on loads, reserves, transmission capability, locational impacts of resources, the value of non-quantifiable environmental benefits (e.g. land use), and other elements critical to understanding the future power system.	Ongoing
	8. Continue to manage the Regional Technical Forum, leveraging its data and analysis to expand and enhance the assessment of energy efficiency and demand response potential.	Ongoing

Division Updates



Staffing update: Tomás Morrissey joining the team October 3



Continuing to enhance the GENESYS model



Tracking marketing efforts across the west



Preparing for a division offsite to plan for mid-term and 9th power plan



Questions

Work Plan Reminder

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