

SPSC

Scenario Work Group Call

Jim Tarpey, Chair
Oct. 27, 2010

Agenda

- 1. Update on the 10-Year Plan Task Force**
 - a. Task Force Oct. 25 meeting**
 - b. Release of draft Whitepaper Oct. 29 and review process**
- 2. SPSC input to the 10-year plan**
 - a. Strategy from Oct. 25 memo**
- 3. SPSC study requests update**

Update on 10-Year Plan Task Force

- Task Force's Oct. 25 meeting
 - Reviewed issues, framework, comments and edits to draft Whitepaper version 2.0
 - Made progress on many items
 - Goal statement
 - Background on transmission planning process
 - Steps and criteria to develop a plan
 - Numerous appendices
 - Intended to inform stakeholders on the details of the planning process, the purpose of the plan

WECC's Whitepaper review process

- Oct. 29 – Whitepaper distributed to TEPPC & SPSG
- Nov. 2 – Outreach webinar on the Whitepaper
- Nov. 9 – Joint TEPPC/SPSG meeting to discuss Whitepaper
- Week of Nov. 15 – Revisions to the Whitepaper based on meeting discussion
- Nov. 28 – Release of Whitepaper to WECC Board
- Dec. 8 and 9 – WECC Board discussion (no formal action planned)

SPSC Input to the 10 Year Plan

- Oct. 25 – Memo to SPSC proposing steps for SPSC input
- Oct. 29 – Distribute draft Whitepaper to SPSC
- **Nov. 2 – SPSC members participate in WECC webinar on the Whitepaper**
- **Nov. 4 – Webinar for SPSC members to react to Whitepaper**
- Nov. 9 – Some SPSC members participate in the joint TEPPC/SPSG meeting reviewing the Whitepaper
- **Nov. 18 -- Second SPSC webinar to begin discussion on SPSC input into the 10-year Plan. Staff will draft issue paper prior to this webinar.**
- Jan. 11-12 – SPSC meeting in San Diego. Discuss and work towards formal input into the 10-Year Plan.

Study requests update

- 2020 Reference Case
- High Load case
- High DSM case
- Low carbon case

Status of 2020 Cases

2020 Cases	Case #	Loads	RPS Target	Incremental Renewable Portfolio	Load & Resource Check	Incremental Conventional Resources
Base	PC0	BA loads: 1,021,649 GWh (complete 6-25-10)	148,134 GWh for RPS states (complete 8-12-10)	97,472 GWh added based on IRP/LRS by state/province (complete 9-1-10)	Subregional model with revised OTC adjustment (complete 10-18-10)	Conventional resources added to AB, no material gaps in other subregions.
Reference	PC1	State-adjusted loads with existing DSM policies: 981,620 GWh (complete 8-9-10)	140,288 GWh for RPS states (complete 8-12-10)	89,644 GWh added based on IRP/LRS (complete 9-1-10)	Revise Subregional model for lower peak loads and less RE resources.	Verify if further additions or reductions needed.

2020 Cases	Case #	Loads	RPS Target	Incremental Renewable Portfolio	Load & Resource Check	Incremental Conventional Resources	Other
High Load	PC2	SPSC request 10% above state-adjusted load: 1,079,782 GWh	Revise RPS target for High Load	Revise renewable portfolio	Revise subregional model for loads and more RE resources		
High DSM	PC3	High DSM loads: 879,562 GWh SPSC/LBNL submitted (10-6-10)	Revise RPS target for lower loads	Revise renewable portfolio	Revise subregional model for loads and less RE resources		
Low Carbon	PC4	Use High DSM loads	Use High DSM RPS target	Use High DSM RE portfolio			Step 1 – Use DSM loads Step 2 – Apply carbon adders Step 3 – Compare coal plant output with plants subject to new upgrades
Technology Breakthrough	PC5						
25 GWh wind MT	PC6						
25 GWh wind WY	PC7						

Base Case: Subregional Load & Resource Balance Check

Overall Summary	AZ-NM-NV	Basin	Alberta	British Columbia	CA-North	CA-South	NWPP	RMPA	WECC
Planning Reserve %	13.5%	12.6%	14.1%	14.1%	14.2%	14.9%	17.2%	12.5%	
Peak Load	33,106	16,438	15,049	11,393	29,101	42,110	27,946	13,860	189,003
Gen Requirement (Peak Load + Reserves)	37,575	18,509	17,171	12,999	33,233	48,384	32,753	15,593	216,217
Gen Capacity Available at time of Peak in Dataset	44,362	19,281	13,961	16,125	29,895	41,447	39,097	16,960	221,130
Initial Gap	-6,787	-772	3,210	-3,126	3,337	6,937	-6,344	-1,368	-4,912
Gap Adjustment (Net Exports)	5,661	975	0	0	-4,000	-9,215	6,579	0	0
Adjusted Gap	-1,126	203	3,210	-3,126	-663	-2,278	235	-1,368	-4,912
					16%	20%			