



2013 Regional Transmission Plan (RTP) – Update

RPG

June 25, 2013

2013 RTP - Load Data

- Highlighted peak loads are applied to study zones

Weather Zone	90/10 NCP with self-served less losses			2013 DSB ^{1,2} SSWG Summer Peak Load		
	2014	2016	2018	2014	2016	2018
NORTH	1,516	1,604	1,620	1,640	1,705	1,747
NCENT	26,425	28,983	29,512	24,432	24,966	25,895
EAST	2,829	3,044	3,088	2,768	2,841	2,882
FWEST	2,024	2,165	2,201	2,698	2,920	3,176
WEST	2,101	2,189	2,230	2,130	2,149	2,204
SCENT	12,939	12,966	14,232	13,003	13,687	14,401
COAST	22,652	23,695	24,475	24,484	25,672	26,355
SOUTH	6,434	6,862	7,103	6,412	6,697	6,988

Note:

1. 2014 SSWG Summer Peak case dated Feb 18, 2013
2. 2016 and 2018 SSWG Summer Peak cases dated June 15, 2013

2013 RTP – Planned Generation

- Generation in the case

Project Name	County	Fuel	COD	Added in Years		
				2014	2016	2018
Ferguson Replacement Project	Llano	Gas	Jul-14	X	X	X
Panda Sherman Power	Grayson	Gas	Jun-14	X	X	X
Panda Temple Power	Bell	Gas	Jun-14	X	X	X
Panda Temple Power	Bell	Gas	Aug-15		X	X
WA Parish Addition	Fort Bend	Gas	Jun-13	X	X	X
Texas Clean Energy Project	Ector	Coal	Jan-16		X	X
Sandy Creek 1	McLennan	Coal	Jun-13	X	X	X
Penascal Wind Farm 3	Kenedy	Wind	Dec-14		X	X
Goldthwaite Wind Energy	Mills	Wind	Dec-13	X	X	X
Los Vientos	Cameron	Wind	Jun-13	X	X	X
Midway Farms Wind	San Patricio	Wind	Dec-13	X	X	X
Conway Windfarm	Carson	Wind	Dec-14		X	X
Blue Summit Windfarm	Wilbarger	Wind	Jun-13	X	X	X
Stephens Ranch Wind Energy	Borden	Wind	Dec-13	X	X	X
OCI Alamo 1	Bexar	Solar	Oct-13	X	X	X

2013 RTP – Generation Changes

- Generation not modeled

Project Name	County
Pondera King Power Project	Harris
Las Brisas Energy Center Phases 1&2	Nueces
Cobisa-Greenville	Hunt
RRE Austin Solar	Travis
Channel Energy Center 138/345kV CT	Harris
Deer Park Energy Center	Harris
Deepwater Energy Storage	Harris

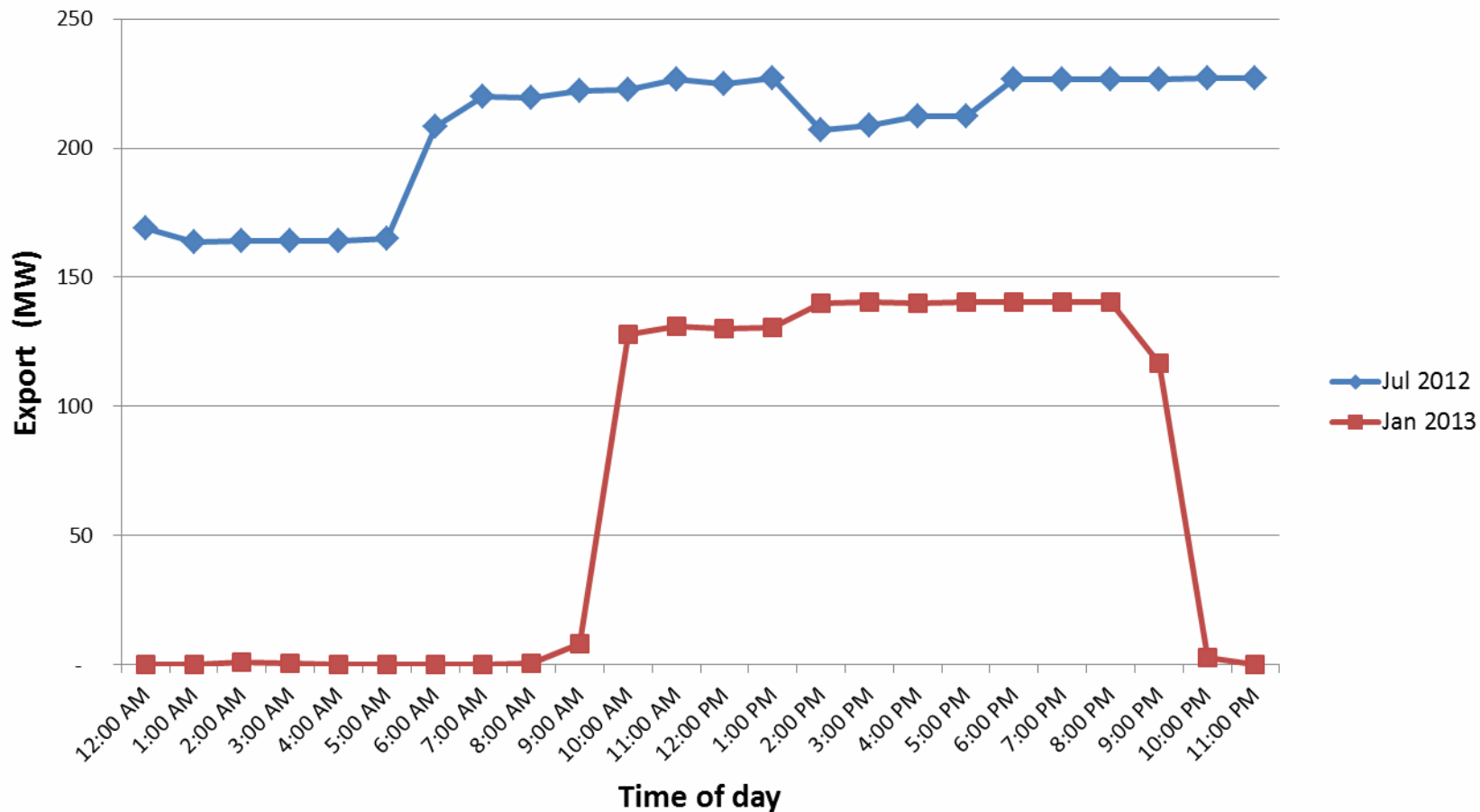
2013 RTP – Recently approved RPG projects

- The following recently approved RPG projects were added to the cases

Project	Effective date	Added in Years		
		2014	2016	2018
AEPSC Airline/North Padre Island Improvement	Dec-15		X	X
LCRA-GVEC-AEP_Kenedy Switch-Guadalupe Upgrade project	Jun-15		X	X
AEPSC Sinton-Beeville-Kenedy Area Improvement Project	May-16		X	X
LCRA-McNeil-Marshall Ford Line Upgrade Project	Jun-15		X	X
LCRA-GVEC-McQueeny-SMI-Geronimo Upgrade	Apr-14	X	X	X
Sharyland Atlas Driver Project	Mar-13		X	X

2013 RTP – CFE DC Ties Historical Data

Hourly average power transfer between ERCOT to CFE during months with maximum (July) and minimum flows (Jan) in the last year



2013 RTP – CFE DC Ties model

- Hourly average flows on these ties during the last 2 years (May 2011 – April 2013) show the following:
 - ERCOT generally exports power to CFE.
 - Exports to CFE have been high since Jan 2012, peaking during summer months.
 - Flows in 2013 have been lesser compared to those in 2012 in corresponding months. In general, flows are high after 10 AM.
 - ERCOT imported some power during the early hours of the day in March & April 2013.
- Exports to CFE modeled at maximum in the 2013 RTP Peak cases
 - 2 ties to CFE: VFT at Laredo (100MW) and Railroad DC tie (150MW)
- Exports to CFE modeled at zero MW in the 2013 RTP minimum load cases

2013 RPT Schedule and Next Step

- Next Step
 - June 28th: 2013 RTP Start cases and initial N-1 Screening Results posting
- Tentative Schedule
 - July 31st: Reliability Screening N-1 & N-1, G-1
 - August – September: Transmission Provider Meetings, Proposed Project Development
 - October 15th: Economic Alternative Development and Assessment
 - November 16th: Draft RTP made available to Transmission Providers
 - December 1st: Final RTP Posted

Questions?