



2013 Regional Transmission Plan (RTP) – Update

RPG

October 22, 2013

2013 RTP – Planned Generation (update)

- Future Generation in the Reliability case

Project Name	County	COD	Fuel	MW for Grid	Added in Years		
					2014	2016	2018
OCI Alamo 1	Bexar	13-Oct	Solar	50	x	x	x
Goldthwaite Wind Energy	Mills	13-Dec	Wind	150	x	x	x
Deepwater Energy Storage	Harris	14-Mar	Storage	40	x	x	x
Stephens Ranch Wind Energy	Borden	14-Apr	Wind	378	x	x	x
Deer Park Energy Center	Harris	14-Jun	Gas	192	x	x	x
Channel Energy Center 138/345kV CT	Harris	14-Jun	Gas	190	x	x	x
Panda Temple Power	Bell	14-Jun	Gas	809	x	x	x
Panda Sherman Power	Grayson	14-Jun	Gas	809	x	x	x
Ferguson Replacement Project	Llano	14-Jul	Gas	570	x	x	x
Midway Farms Wind	San Patricio	14-Oct	Wind	161	x	x	x
Conway Windfarm	Carson	14-Dec	Wind	600		x	x
Penascal Wind Farm 3	Kenedy	14-Dec	Wind	202		x	x

- Future Generation data will be updated in the economic case based on the latest information

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
Panda Temple Power (II)	Bell
Texas Clean Energy Project	Ector

2013 RTP – Study Preliminary Results

- N-1 thermal and voltage analysis completed
- N-1 secure case (thermal & voltage) completed
- Total of 91 projects to resolve all the N-1 thermal and voltage issues:
 - 18 projects from previous 5YTP projects
 - 25 projects are projects are already in TPIT
 - 17 projects from the West Texas Study
- Some of the projects (not previously identified in past 5YTP) are presented in the next few slides by their individual weather zones:

2013 RTP – Coast weather zone N-1 Projects

Project Description	Transmission Owner	2016	2018
Loop Roans Prairie - King 345 kV line into Rothwood	CNP	X	X
Katy Area Upgrades: - a new second 345/138 kV transformer at Zenith - a new 138 kV line from Zenith to Franz and reconfiguration of existing 138 kV lines in the Katy area	CNP		X
Houston Import Project *	CNP		X

* The 5YTP Houston Import project is a place holder project and **it is not the ERCOT recommended project**, the ERCOT independent review (RPG reviews) will make the final recommendation on the Houston Import project.

2013 RTP – North Central weather zone N-1 Projects

Project Description	Transmission Owner	2016	2018
Place 2nd Whitney 138/69-kV auto into operation	BEPC	X	X
Firewheel to Wiley Switch 138-kV line upgrade	Garland	X	X
Renner 345/138-kV auto #1 upgrade	Oncor	X	X
Big Brown - Navarro double circuit 345-kV line upgrade	Oncor	X	X
Navarro - Hubbard 138-kV line upgrade	Oncor	X	X
Tradinghouse - Sam Switch 345-kV line upgrade	Oncor		X

2013 RTP – West weather zone N-1 Projects

Project Description	Transmission Owner	2016	2018
Morgan Creek 138/69 kV autotransformer upgrade	Oncor		X
Montell – Uvalde 69 kV line upgrade	AEP/TCC		X
Ferguson – Sandy Creek 138 kV line upgrade	LCRA		X

2013 RTP – Far West weather zone N-1 Projects

Project Description	Transmission Owner	2016	2018
West Texas Study Midland area upgrades	Oncor	X	X
Midland West – Windwood – Midland East 138 kV line upgrade	Oncor	X	X
Westover – Amoco South Foster – Odessa North 138 kV line upgrade	Oncor	X	X
Glenhaven – CRMWD 8 Tap – Midland Airport 138 kV line upgrade	Oncor	X	X

2013 RTP – South weather zone N-1 Projects

Project Description	Transmission Owner	2016	2018
Cross Valley Project tap at South McAllen	AEP	X	X
Lobo 345/138kV auto addition	AEP		X
Fowlerton 138/345kV auto addition	STEC	X	X
Bevo - Carrizo 69kV line addition	STEC	X	X

2013 RTP – South Central weather zone N-1 Projects

Project Description	Transmission Owner	2016	2018
CPS Northeast Switchyard project with new auto at Highway 46 and tie to LCRA terminating at Clear Springs; Second auto at Clear Springs; Zorn to Marion line cut in at Clear Springs	CPS/LCRA	X	X

2013 RTP Schedule and Next Step

- Next Step
 - Oct 23th: 2013 RTP N-1 secure cases and N-1 projects POI posting
- Tentative Schedule
 - October 31st: Reliability projects for N-1+ G-1
 - Nov 22th: Economic case and projects
 - Dec 9th: Draft RTP report made available to TSP's
 - December 20st: Final RTP report

Questions?