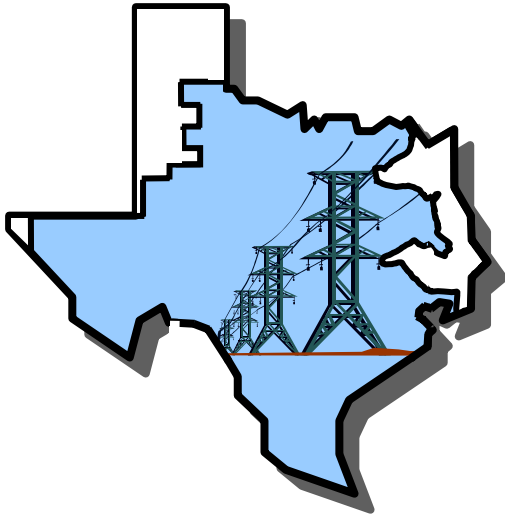




System Planning Division



Monthly Status Report to Reliability and Operations Subcommittee for July 2007

Report Highlights

Item

1. ERCOT is currently tracking 182 active generation interconnection requests totaling nearly 69,000 MW, including over 31,000 MW of Wind Generation.
2. Regional Planning is currently reviewing proposed transmission improvements with a total cost ranging from \$142 M to \$196 M.
3. ERCOT Board of Directors endorses the Oncor/TNMP TNP One - Bell County 345 kV Double Circuit Line Project
4. Q1-2 2007 CSC Utilization Report presented to WMS
5. Review of the Holly Notification of Suspension of Operations concludes Holly will not be needed for RMR

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1. Generation Interconnection

Additional information regarding detailed generation interconnection and impact studies is contained in the “Generation Project Interconnection Information” data folder posted in the “Operations and System Planning” data area on the ERCOT website.

1.1. New Generation Beginning Commercial Operations

The 20-MW upgrade to Big Brown 1 went into operation in May 2007.

1.2. Active Generation Interconnection Requests

GENERATION INTERCONNECTION REQUESTS CURRENTLY BEING PROCESSED					
Currently tracking 182 active generation interconnection or change requests					
As of July 31, 2007					
		North	South	West	Total
Security Screening Study		2	6	15	23
SSS Completed		11	9	18	38
Full Interconnect Study		18	23	52	93
FIS Completed		0	1	4	5
Interconnect Agreement Completed		7	2	15	4
Capacity for Grid, MW		17,177	24,552	27,233	68,962
Wind Capacity, MW		1,955	3,871	25,811	31,637

Fuel	Public (MW)	Non-public (MW)	Total (MW)
Natural gas	2,485	13,698	16,183
Nuclear	5,986	6,400	12,386
Coal	4,596	3,735	8,331
Wind	3,211	28,426	31,637
Other	0	425	425
Totals	16,278	52,684	68,962

1.3. Potential Future Generation Interconnections

The table below summarizes the publicly known potential future generation projects for the ERCOT region. (IA=Interconnect Agreement, PL=Public Letter)

FUTURE GENERATION INTERCONNECTIONS (PUBLIC PROJECTS)									
As of July 31, 2007									
INR #	Site Name	Status	County	Region	Fuel	In Service Date	MW into Grid	Change from Last Report	
07INR0003	Whirlwind 1	IA	Floyd	West	Wind	Sep-07	60		
06INR0021	Barton Chapel	IA	Jack	North	Wind	Oct-07	120		
07INR0018	Capricorn Ridge 1	IA	Coke	West	Wind	Nov-07	200	Change in capacity	
07INR0041	Capricorn Ridge 2	IA	Coke	West	Wind	Dec-07	150	Signed IA	

07INR0028	Goat Wind 1	IA	Sterling	West	Wind	Dec-07	150		
07INR0025	Airtricity Lamesa 1	IA	Dawson	West	Wind	Dec-07	183	Signed IA	
04INR0017	Ocotillo Wind Farm 1	IA	Howard	West	Wind	Dec-07	59		
04INR0020	Project Snyder	IA	Scurry	West	Wind	Dec-07	63		
07INR0010	Stanton Wind 1	IA	Martin	West	Wind	Dec-07	120		
03INR0034	Silver Star 1	IA	Erath	North	Wind	Dec-07	60		
07INR0023	Sweetwater Wind 4	IA	Nolan	West	Wind	Dec-07	300		
07INR0045	Roscoe 1	IA	Scurry	West	Wind	Mar-08	209	Change in commercial date	
07INR0030	Louis (Buffalo Gap 3)	IA	Nolan	West	Wind	Apr-08	138		
06INR0035	Colorado Bend 2	IA	Wharton	South	Gas	May-08	275		
06INR0036	Quail Run 2	IA	Ector	West	Gas	May-08	275		
07INR0022	Airtricity Panther Creek	IA	Howard	West	Wind	Jun-08	100		
03INR0030	Wild Horse 2	IA	Cottle	West	Wind	Aug-08	39		
05INR0015	Gulf Wind 1	PL	Kenedy	South	Wind	Sep-08	400		
03INR0030	Wild Horse 1	IA	Cottle	West	Wind	Nov-07	60		
09INR0006	Greenville	PL	Hunt	North	Gas	May-09	1750		
09INR0028	V H Braunig 6	PL	Bexar	South	Gas	May-09	185	Public letter	
08INR0003	Sandow 5	IA	Milam	North	Coal	Jul-09	581		
05INR0015	Gulf Wind 2	PL	Kenedy	South	Wind	Sep-09	400		
09INR0015	Comanche Peak 1 & 2 Upgrade	PL	Somervell	North	Nuclear	Oct-09	86		
09INR0006	Oak Grove 1	IA	Robertson	North	Coal	Nov-09	855		
09INR0006	Oak Grove 2	IA	Robertson	North	Coal	May-10	855		
09INR0002	J K Spruce 2	IA	Bexar	South	Coal	Jun-10	750		
05INR0015	Gulf Wind 3	PL	Kenedy	South	Wind	Sep-10	400		
09INR0001	Sandy Creek 1	IA	McLennan	North	Coal	Sep-10	925		
11INR0001	Twin Oaks 3	PL	Robertson	North	Coal	Jun-11	630		
15INR0002	Comanche Peak 3 & 4	PL	Somervell	North	Nuclear	Jan-15	3200		
15INR0008	South Texas Project 3 & 4	PL	Matagorda	South	Nuclear	Jan-15	2700		
							Total	16,278	

2. Regional Planning Group Project Reviews

- **The Oncor/TNMP TNP One - Bell County 345 kV Double Circuit Line Project was endorsed by the ERCOT Board of Directors** on July 17, 2007. The cornerstone of this project is a new 40 mile 345 kV double circuit from TNP One to a new 345 kV switching station named East Bell County in the Sandow to Temple 345 kV double circuit. In addition, the Temple to Boggy Creek 138 kV line, the Temple to Salado 345 kV circuit, and the terminal equipment at TNP One will be upgraded to 1146, 3200, and 3000 amperes respectively. The project will cost approximately \$69.4 million.
- The following projects are required to go the August 2007 BOD
 - HACM Phase II (Houston Area Constraint Mitigation)
 - Parkdale Dynamic Reactive Project

- Spruce to Skyline 2nd 345 kV circuit
- CNP Houston Area Constraint Mitigation Phase II Project has been submitted. This is a \$37.9 M project to increase the North to Houston import capability. It has completed ERCOT Independent Review and will go to the Board of Directors on August 21, 2007.
- Oncor has submitted the Parkdale Dynamic Reactive Project. This is a \$45-\$98 M project to add a dynamic reactive device in the DFW area. It has completed ERCOT Independent Review and will go to the Board of Directors on August 21, 2007.
- CPSE has submitted the Spruce to Skyline 2nd 345 kV Circuit Project. This is a \$7.8 M project to add a second circuit on existing structures from Spruce to Skyline in Bexar County. It has completed ERCOT Independent Review and will go to the Board of Directors on August 21, 2007.
- TXU Wholesale has submitted the Sandow to Taylor to Hutto 138 kV Upgrade Project. It is a \$9.24 M project in Milam and Williamson counties. It has completed ERCOT Independent Review and the RPG Acceptance letter is being prepared.
- Oncor has submitted the Temple Pecan to Lake Creek 138 kV Line Reconstruction Project. This is a \$22.1 M project to reconstruct a 138 kV line with double circuit construction with one circuit strung in Bell, Falls, and McLennan counties. This project is currently in ERCOT Independent Review.
- LCRA has submitted the Lytton Third 345/138 kV Auto and 138 kV lines project. This is a \$20.4 M project in Caldwell and Hays counties. This project is currently in the comment period.

3. Congestion Management

- **2007 Q1-2 CSC Utilization Report:** For the details of the table below (intervals, flows / limits, costs and quantities) see the CSC Utilization presentation to the July WMS (Item 10 in Key Documents) at the following link: <http://www.ercot.com/calendar/2007/07/20070718-WMS.html>

(\$Million)	E_N	N_H	S_H	S_N	N_W	W_N	TOTAL
2007 total	--	19.5	4.3	0.1	2.0	0.3	26.2
2006: Q1-2	7.4	5.3	9.3	0.3	1.4	~0	23.7
2006 total	7.4	8.4	31.4	1.5	3.0	0.2	52.0

Settlement quality data available through June 2007

4. Other Notable Activities

- The Wind Impact/Ancillary Services study is continuing. GE is continues to work on Phase I of the study.
- CREZ Study (SB20)
 - System Planning is developing base cases and tools for analyzing potential CREZ solutions proposed as part of the CREZ Optimization Study in preparation for the final rule designating CREZ from the PUCT.
- Work continues on the 2007 Five Year Plan, which has completed the Base Case Conditioning phase and has started the Identification of Reliability Projects phase.

- ERCOT System Planning has initiated **revisions to ERCOT Planning Charter** and has requested and received comments from RPG on high-level concepts that would be included in those revisions
- Individual TPIT updates were requested to be sent to ERCOT on or before August 1st.
- ERCOT Regional Planning completed its **review of the Holly Notification of Suspension of Operations** concluding that it will not be needed for RMR.
- ERCOT Regional Planning has recommended for approval a change to the Macedonia SPS to relieve thermal overloads on the Waller to Prairie View 138 kV line which has been limiting the North to Houston CSC limits.
- ERCOT Regional Planning has recommended for approval the disabling of the Centerville SPS since it is no longer needed since the Royse Switch to Ben Davis 345 kV line has been upgraded.