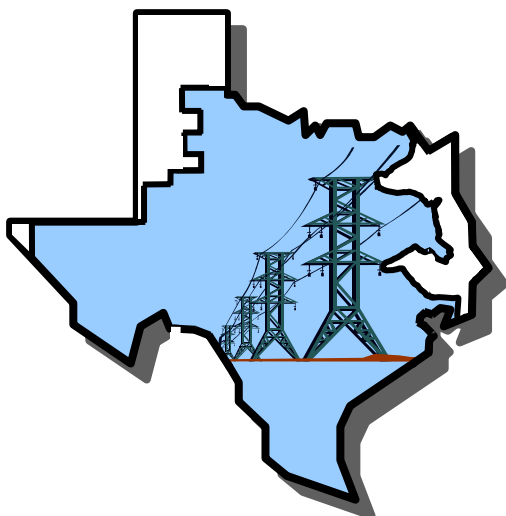




System Planning Division



Monthly Status Report to Reliability and Operations Subcommittee for March 2008

Report Highlights

Item

1. ERCOT is currently tracking 219 [active generation interconnection requests](#) totaling over 100,000 MW. This includes over 44,000 MW of wind generation. Some projects were cancelled this past month due to inactivity and some projects were split into multiple phases (identified by an alphabetic suffix).
2. [New Interconnect Agreements](#) signed:
Laredo Peaking Power Plant (08INR0064) for 200 MW in Webb County
3. 210 MW of new generation went in-service (80 MW upgrade of an existing coal unit and 130 MW wind)
4. [Regional Planning](#) is currently reviewing proposed transmission improvements with a total cost of \$206.3 M.
5. CREZ Transmission Optimization Study is complete and filed with the PUCT under D-33672
6. The Wind Ancillary Services Study performed by General Electric is complete and filed with the PUCT, also under D-33672.

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1. Generation Interconnection

Additional information regarding detailed generation interconnection and impact studies is contained in the “Generation Project Interconnection Information” folder in the “Operations and System Planning” area on the ERCOT website: <http://oldercot.ercot.com/tmaps>.

1.1. New Generation Beginning Commercial Operations

Coal:

- J.T. Deely Upgrade for 80 MW in Bexar County

Wind:

- Silver Star Wind for 60 MW in Erath County
- Goat Wind for 70 MW in Sterling County

Note: These units are included in the online wind capacity amount of 5,173 MW

1.2. New Signed Interconnection Agreements

08INR0064, Laredo Peaking Power Plant, 200 MW, Webb County

1.3. Summary of Active Generation Interconnection Requests

GENERATION INTERCONNECTION REQUESTS CURRENTLY BEING PROCESSED					
Currently tracking 219 active generation interconnection or change requests					
As of March 31, 2008					
		North	South	West	Total
Security Screening Study		5	3	13	21
SSS Completed		8	9	15	32
Full Interconnect Study		26	29	71	126
FIS Completed		0	1	1	2
Interconnect Agreement Completed		8	8	24	40
Capacity for Grid, MW		29,522	29,098	41,780	100,400
Wind Capacity, MW		2,315	4,117	38,315	44,747

Fuel	Public (MW)	Non-Public (MW)	Total (MW)
Combined Cycle - Gas	3,958	26,445	30,403
Combustion Turbine - Gas	646	448	1,094
Nuclear	9,186	6,400	15,586
Coal	4,131	4,144	8,275
Wind	10,138	34,479	44,617
Other		425	425
Totals	28,059	72,341	100,400

2. 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 March 31, 2008								
INR	Site Name	Status	County	Region	Fuel	In-service Date	MW Into Grid	Change from Last Report
07INR0030	Louis (Buffalo Gap 3)	IA	Nolan	West	Wind	Apr-08	138	
06INR0036	Quail Run Energy Center 2	IA	Ector	West	Gas-CC	May-08	275	
08INR0064	Laredo Peaking Power Plant	IA	Webb	South	Gas-CT	May-08	193	New IA
06INR0035	Colorado Bend Energy Center 2	IA	Wharton	South	Gas-CC	Jun-08	275	
07INR0027	South Houston Green Pwr Exp Prj 1	IA	Galveston	South	Gas-CC	Jun-08	244	
07INR0022	Panther Creek Wind Farm	IA	Howard	West	Wind	Jun-08	150	
08INR0028	McAdoo Energy Center	IA	Dickens	North	Wind	Jul-08	300	
04INR0011b	Mesquite Wind Phase 4	IA	Shackelford	West	Wind	Aug-08	136	
04INR0011c	Cottonwood Wind	IA	Shackelford	West	Wind	Aug-08	100	
04INR0017	Ocotillo Wind Farm 1	IA	Howard	West	Wind	Aug-08	59	
03INR0030b	Wild Horse Wind Farm 2	IA	Cottle	West	Wind	Aug-08	39	
08INR0055	Capricorn Ridge III	IA	Coke	West	Wind	Aug-08	249	
08INR0038	M Bar Wind	PL	Andrews	West	Wind	Sep-08	194	
07INR0025	Airtricity Lamesa Wind Plant	IA	Dawson	West	Wind	Oct-08	183	
06INR0012	Sherbino Mesa Wind Farm	IA	Pecos	West	Wind	Oct-08	300	
07INR0034	Wolf Ridge Windfarm	IA	Cooke	North	Wind	Oct-08	113	MW Adj
07INR0037	Bull Creek Wind Plant	IA	Borden	West	Wind	Oct-08	180	
07INR0045b	Airtricity Inadale	IA	Scurry	West	Wind	Nov-08	212	
07INR0045a	Airtricity Pyron Wind Farm	IA	Scurry	West	Wind	Nov-08	303	
08INR0018	Gunsight Mountain	IA	Howard	West	Wind	Dec-08	120	
08INR0025	Pistol Hill Energy Center	PL	Ector	West	Wind	Dec-08	300	
07INR0029	South Trent Wind Farm	IA	Taylor	West	Wind	Dec-08	101	
07INR0005	Notrees-1	IA	Ector	West	Wind	Dec-08	151	
07INR0011	Turkey Track Energy Center	IA	Nolan	West	Wind	Dec-08	170	MW Adj
05INR0015a	Gulf Wind 1	IA	Kenedy	South	Wind	Dec-08	283	
06INR0022a	Penascal Wind Farm 1	IA	Kenedy	South	Wind	Dec-08	202	
08INR0037	Airtricity Panther Creek 2	IA	Howard	West	Wind	Dec-08	220	
08INR0053	Elbow Creek Wind Project	IA	Howard	West	Wind	Dec-08	117	
08INR0059	Gray Wind Project	PL	Borden	West	Wind	Dec-08	141	
04INR0011e	Hackberry Wind Farm	IA	Shackelford	West	Wind	Dec-08	165	
09INR0026a	Sterling Energy Center	PL	Sterling	West	Wind	Dec-08	200	
07INR0036	Coyote Run Windfarm	IA	Borden	West	Wind	Mar-09	225	MW Adj
08INR0046	Bosque Expansion	IA	Bosque	North	Gas-CC	Mar-09	255	
08INR0065	Buffalo Gap 4 and 5	PL	Nolan	West	Wind	Mar-09	465	
09INR0028	V H Braunig 6	PL	Bexar	South	Gas-CT	May-09	185	
08INR0040	Lenorah Project	PL	Martin	West	Wind	May-09	350	
09INR0060	WindTex Stephens WndFrm	PL	Borden	West	Wind	May-09	141	
09INR0027	Winchester Peaking Plant	IA	Fayette	South	Gas-CT	Jun-09	178	
09INR0036	McAdoo Energy Center II	PL	Dickens	West	Wind	Jun-09	500	

08INR0035	Cedar Bayou 4	IA	Chambers	South	Gas-CC	Jun-09	539
09INR0026	Sterling Energy Center	PL	Sterling	West	Wind	Jun-09	300
09INR0045	Sand Hill Peakers	PL	Travis	South	Gas-CT	Jun-09	90
08INR0003	Sandow 5	IA	Milam	North	Coal	Jul-09	581
05INR0015b	Gulf Wind 2	PL	Kenedy	South	Wind	Sep-09	400
09INR0015	Comanche Peak 1&2 Upgrade	PL	Somervell	North	Nuclear	Oct-09	86
03INR0030a	Wild Horse Wind Farm 1	IA	Cottle	West	Wind	Nov-09	60
09INR0006a	Oak Grove SES 1	IA	Robertson	North	Coal	Nov-09	855
09INR0034	Gatesville Wind Farm	PL	Coryell	North	Wind	Dec-09	200
09INR0037	Scurry County Wind III	PL	Scurry	West	Wind	Mar-10	350
09INR0006b	Oak Grove SES 2	IA	Robertson	North	Coal	May-10	855
06INR0006	Cobisa-Greenville	PL	Hunt	North	Gas-CC	May-10	1750
09INR0002	J K Spruce 2	IA	Bexar	South	Coal	Jun-10	750
05INR0015c	Gulf Wind 3	PL	Kenedy	South	Wind	Sep-10	400
09INR0001	Sandy Creek 1	IA	McLennan	North	Coal	Sep-10	925
06INR0026	Wild Horse Mountain	IA	Howard	West	Wind	Dec-10	120
12INR0003	Throckmorton Wind Farm	PL	Throckmorton	West	Wind	Dec-10	400
10INR0010	Jack County 2	PL	Jack	North	Gas-CC	Jun-11	620
07INR0004	Pampa Energy Center	PL	Gray	West	Coal	May-12	165
09INR0024	B&B Panhandle Wind	PL	Carson	West	Wind	Jun-12	1001
12INR0004	Fort Concho Wind Farm	PL	Tom Green	West	Wind	Jul-12	400
15INR0002	Comanche Peak 3 and 4	PL	Somervel	North	Nuclear	Jan-15	3200
15INR0008	STP 3 and 4	PL	Matagorda	South	Nuclear	Jan-15	2700
11INR0011	Victoria City Nuclear	PL	Victoria	South	Nuclear	Jan-15	3200
						TOTAL	28,059

MW Adj

3. Regional Planning Group Project Reviews

- Oncor submitted a two phase project to relieve congestion related to new wind units in the Lamesa area. The first phase of the project will upgrade both ends, but not the middle of the Lamesa to Bluff Creek 138 kV line, rebuild the Bluff Creek to China Grove 138 kV line, rebuild the Lamesa to Ackerly Vealmoor 69 kV line to 138/69 kV double circuit, rebuild the Lamesa 138 kV switching station, and build a new 138 kV Ackerly Vealmoor station. The cost of the first phase of these upgrades is \$40.3 M. The second phase of the project would be done if a third wind unit signs an interconnect agreement. This phase would add second circuits to all rebuilt lines and include station upgrades at China Grove and Big Spring. The additional cost of the second phase upgrades is \$40.5 M for a total of \$80.8 M. Both phases of this project are being reviewed to ensure that the improvements fit into the likely CREZ transmission solution for the area.
- Oncor submitted a project to upgrade the Payne to Collin 138 kV to a rating of 326 MVA using double circuit structures with one circuit in place for a cost of \$19 M. This project is currently in ERCOT Independent Review.
- Oncor submitted a project to construct the Krum Tap Switching Station and rebuild the Krum – Decatur 69 kV line and the Krum Tap 138 kV line as a 138 kV double-circuit line with one circuit in place using a conductor with a minimum rating of 214 MVA. The estimated cost of this project is \$17.8 M and is currently in ERCOT Independent Review.

- LCRA submitted a project to add a 3rd 345/138 kV autotransformer at the Zorn substation. This project should be complete by summer peak 2013 and cost is estimated at \$15 M. This project is currently in ERCOT Independent Review.
- Oncor submitted a project to upgrade the Midland East – Stanton East – Big Spring West – Big Spring Switch 138 kV line. The proposed upgrade will replace the existing 4/0 ACSR 84 MVA circuit with a single circuit line with a long-term emergency rating of 394 MVA. The estimated completion date is peak 2010 with a cost of approximately \$ 24 M. This project is currently in ERCOT Independent Review.
- AEPSC submitted a project to increase the reliability of service in the Presidio area. This project will install a second 138/69 kV autotransformer at Marfa in 2008, install 2-2.4 MW NaS battery units at Presidio in 2009, and replace the existing 69 kV line with a 138kV-capable but 69kV-operated line from Alamito Creek to Chinati to Presidio in 2012. Total cost of the project is estimated to be \$67 M.
- CNP Energy submitted a 2007 Five-Year Plan project to install a new 345/138 kV substation called Rothwood to eliminate potential unserved energy under contingency scenario(s). The projected completion date is summer 2010 with an estimated cost of \$23 M.

4. Other Notable Activities

All postings referred to below can be found at <http://oldercot.ercot.com/tmaps> unless otherwise indicated.

- The Wind Ancillary Services Study, performed by General Electric International under contract to ERCOT is complete and the Final Report has been filed with the PUCT under D-33672 <http://interchange.puc.state.tx.us/WebApp/Interchange/application/dbapps/filings/pgSearch.asp>
- System Planning has completed the CREZ Transmission Optimization Study, which has been filed with the PUCT under D-33672
- Updated SSWG 2008 Data Set A and Data Set B cases were posted
- SPWG 2008 Current Year Short Circuit case has been posted
- Q1 TPIT spreadsheet was completed and filed March 1st. Individual worksheets were sent March 28th and are due to ERCOT May 1st.
- The Texas Renewable Energy Credit Trading program (PUCT Substantive Rule 25.173) completed the mandated business for 2007 at midnight on March 31st. Ninety-one Competitive Retailers “retired” a total of 3,421,626 RECs in order to satisfy the mandate for 2007. Retailers also retired an additional 814,234 RECs voluntarily in support of the Texas Clean Air Initiative.
- The Labeling of Electricity program underwent a significant upgrade in automation this year. The emissions information required by the PUCT Substantive Rules 25.475 and 25.476 was posted to the Texas Renewables web site (www.texasrenewables.com/reports.asp) on April 1st as required. The EFL workbook that REPs use to create their emissions information labels will be posted to the same site on April 4th.
- An upgrade to the Operations and System Planning Department site is nearing completion. A market notice with more information will be sent later this month.