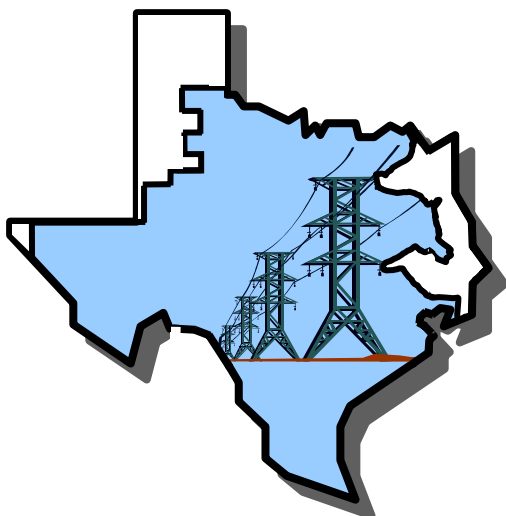




System Planning Division



Monthly Status Report to Reliability and Operations Subcommittee for November 2007

Report Highlights

Item

1. ERCOT is currently tracking 204 active generation interconnection requests totaling over 87,000 MW. This includes over 39,000 MW of Wind Generation.
2. Regional Planning is currently reviewing proposed transmission improvements with an estimated total cost of \$105.6 M.
3. Report of Congestion Events presented to WMS November 14, 2007

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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

No new generators went into commercial operation in November 2007.

1.2. Active Generation Interconnection Requests

GENERATION INTERCONNECTION REQUESTS CURRENTLY BEING PROCESSED					
Currently tracking 204 active generation interconnection or change requests					
As of November 30, 2007					
		North	South	West	Total
Security Screening Study		8	4	24	36
SSS Completed		6	3	9	18
Full Interconnect Study		20	28	62	110
FIS Completed		0	2	2	4
Interconnect Agreement Completed		8	4	24	36
Capacity for Grid, MW		26,619	24,794	36,255	87,668
Wind Capacity, MW		2,083	4,043	33,510	39,636

Fuel	Public (MW)	Non-public (MW)	Total (MW)
Natural gas	3,730	23,942	27,672
Nuclear	5,986	6,400	12,386
Coal	4,841	2,708	7,549
Wind	9,531	30,106	39,636
Other	0	425	425
Totals	24,088	63,581	87,668

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 November 30, 2007								
INR #	Site Name	Status	County	Region	Fuel	In Service Date	MW into Grid	Change from Last Report
06INR0021	Barton Chapel	IA	Jack	North	Wind	Oct-07	120	
07INR0003	Whirlwind	IA	Floyd	West	Wind	Oct-07	60	
07INR0034	Wolf Ridge	IA	Cooke	North	Wind	Oct-07	201	Signed IA
07INR0049	J T Deely Upgrade	PL	Bexar	South	Coal	Nov-07	80	Public Letter
03INR0034	Silver Star Project - Clipper	IA	Erath	North	Wind	Dec-07	60	
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 Energy	IA	Martin	West	Wind	Dec-07	101	
07INR0028	Goat Wind	IA	Sterling	West	Wind	Dec-07	150	
07INR0045	Airtricity Champion	IA	Scurry	West	Wind	Dec-07	126	
07INR0045	Roscoe 1	IA	Scurry	West	Wind	Mar-08	209	
07INR0030	Louis (Buffalo Gap 3)	IA	Nolan	West	Wind	Apr-08	138	
06INR0035	Colorado Bend Energy Center 2	IA	Wharton	South	Gas	May-08	275	
06INR0036	Quail Run Energy Center 2	IA	Ector	West	Gas	May-08	275	
07INR0022	Airtricity Panther Creek	IA	Howard	West	Wind	Jun-08	150	
04INR0011	Cottonwood Wind	IA	Shackelford	West	Wind	Aug-08	100	
04INR0011	Mesquite Wind Phase 4	IA	Shackelford	West	Wind	Aug-08	136	
03INR0030	Wild Horse 2	IA	Cottle	West	Wind	Aug-08	39	
08INR0038	M Bar Wind	PL	Andrews	West	Wind	Sep-08	194	
07INR0025	Airtricity Lamesa Wind Plant	IA	Dawson	West	Wind	Oct-08	183	
07INR0037	Bull Creek Wind Plant	IA	Borden	West	Wind	Oct-08	180	

07INR0045	Airtricity Inadale	IA	Scurry	West	Wind	Nov-08	212	
07INR0045	Airtricity Pyron	IA	Scurry	West	Wind	Nov-08	303	
05INR0015	Gulf Wind 1	IA	Kenedy	South	Wind	Dec-08	187	
04INR0011	Hackberry Wind Farm	IA	Shackelford	West	Wind	Dec-08	165	
06INR0022	Penascal Wind Farm 1	IA	Kenedy	South	Wind	Dec-08	202	
06INR0026	Wild Horse Mountain	IA	Howard	West	Wind	Dec-08	120	
07INR0005	Notrees-1	IA	Ector	West	Wind	Dec-08	151	
	Turkey Track Energy							
07INR0011	Center	PL	Nolan	West	Wind	Dec-08	300	
07INR0029	South Trent Wind Farm	IA	Taylor	West	Wind	Dec-08	101	
08INR0018	Gunsight Energy Center	IA	Howard	West	Wind	Dec-08	200	Signed IA
	Pistol Hill Energy							
08INR0025	Center	PL	Ector	West	Wind	Dec-08	300	
08INR0059	Gray Wind Project	PL	Borden	West	Wind	Dec-08	141	
08INR0046	Bosque Expansion	IA	Bosque	North	Gas	Mar-09	255	
08INR0047	Buffalo Gap 4	PL	Nolan	West	Wind	Mar-09	378	
06INR0006	Cobisa-Greenville	PL	Hunt	North	gas	May-09	1750	
08INR0040	Lenorah Project	PL	Martin	West	Wind	May-09	350	
09INR0028	V H Braunig 6	PL	Bexar	South	Gas	May-09	185	
	Wind Tex Energy							
09INR0060	Stephens Wind Farm	PL	Borden	West	Wind	May-09	141	
09INR0026	Sterling Energy Center	PL	Sterling	West	Wind	Jun-09	300	
	Winchester Peaking							
09INR0027	Plant	PL	Fayette	South	gas	Jun-09	200	Public Letter
	McAdoo Energy Center							
09INR0036	II	PL	Dickens	West	Wind	Jun-09	500	
09INR0045	Sand Hill Peakers	PL	Travis	South	Gas	Jun-09	90	Public Letter
08INR0003	Sadow 5	IA	Milam	North	Coal	Jul-09	581	
05INR0015	Gulf Wind 2	PL	Kenedy	South	Wind	Sep-09	400	
09INR0024	B&B Panhandle Wind	PL	Carson	West	Wind	Sep-09	1001	
	Comanche Peak 1&2							
09INR0015	Upgrade	PL	Somervell	North	Nuclear	Oct-09	86	

03INR0030	Wild Horse Wind Farm 1	IA	Cottle	West	Wind	Nov-09	60	Changed date
09INR0006	Oak Grove SES 1	IA	Robertson	North	Coal	Nov-09	855	
07INR0004	Pampa Energy Center	PL	Gray	West	Coal	Dec-09	165	
09INR0034	Gatesville Wind Farm	PL	Coryell	North	Wind	Dec-09	200	
09INR0037	Camp Springs Energy Center III	PL	Scurry	West	Wind	Mar-10	350	
09INR0006	Oak Grove SES 2	PL	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	
12INR0003	Throckmorton Wind Farm	PL	Throckmorton	West	Wind	Dec-10	400	
11INR0007	Mountain Creek	PL	Dallas	North	Gas	Apr-11	700	Changed date
11INR0001	Twin Oaks 3	PL	Robertson	North	coal	Jun-11	630	
12INR0004	Fort Concho Wind Farm	PL	Tom Green	West	Wind	Jul-12	400	
15INR0002	Comanche Peak 3 and 4	PL	Somervell	North	Nuclear	Jan-15	3200	
15INR0008	STP 3 and 4	PL	Matagorda	South	Nuclear	Jan-15	2700	
						Total	24,088	

2. Regional Planning Group Project Reviews

- Luminant has submitted two interrelated, yet independent projects for review. The first project is an acceleration of the planned upgrade of the Tyler Northeast to Tyler East 138 kV line, currently planned to be complete in May 2012, to May 2009 with an estimated total project cost of \$4 M. The second related project is the addition of the Tyler Grande (Tyler Southeast) 345/138 kV autotransformer and an increase in the planned capacity of Tyler Grande (Southeast) to Tyler South from 326 MVA to 400 MVA. The second project is planned to be complete in May 2009 with a cost of approximately \$10 M and will require ERCOT Board approval due to the new 345/138 kV Tyler Grande switching station and associated autotransformer. This project is in ERCOT Independent Review.
- Oncor submitted a project to rebuild the Big Spring – Chalk – McDonald Road 69 kV line. This project will alleviate overloads due to new wind projects on the Morgan Creek to McDonald Road 138 kV circuit by adding a new 138 kV from Big Spring into McDonald Road on double circuit 138/69 kV structures that will replace the existing 69 kV single circuit structures. The cost of the project is \$10.8 M and due for completion in December 2008. This project is now in ERCOT Independent Review, which ends January 3rd.

- Oncor submitted a project to relieve congestion that will occur when two new Wind units are connected to the transmission system in the Lamesa area. This 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. All transmission rebuilds will utilize double circuit construction with one circuit in place, except the Lamesa to Ackerly Vealmoor 138/69 kv double circuit. The cost of these upgrades is \$40.3 M. This project has additional work to be done for a third wind unit that will add second circuits to all rebuilt lines and include station upgrades at China Grove and Big Spring. The additional cost of these upgrades is \$40.5 M. This project is now in ERCOT Independent Review, which ends December 28th.

3. Congestion Management

- The following is a summary of the **Congestion Report** presented to WMS on November 14, 2007.

	Duration in 2007	Planned Outages	Financial Impact
Northeast	10/25 – 10/26 11/2 – 11/4	Martin Lake to Tri Corner	\$1.5M in local congestion costs
	10/29 – 11/1	Martin Lake to Elkton	\$1.3M in local congestion costs
South -> Houston (reported in last month's report)	10/1 – 10/3	STP to Hillje	\$7.2M in zonal congestion charges \$14.9M paid to TCR holders \$7.7M uplifted to BENA
North	11/1-11/12	Gibbons Creek to Twin Oak Switch	\$9.5M in directly assigned zonal congestion charges \$14.2M paid to TCR holders \$4.6M uplifted to BENA \$328k OOMC costs

The above dollar amounts are estimated and therefore are **NOT** Settlement quality.

4. Other Notable Activities

- The Wind Impact/Ancillary Services study is near completion. GE is evaluating 4 scenarios of wind capacity on the system: 5,000 MW, 2 scenarios of 10,000 MW, and 15,000 MW. Phase I of the study (a statistical analysis of increased variability with increasing amounts of wind) was completed in October. GE is currently finalizing Phase II of the study, an analysis of the ramping capabilities of units in the existing ERCOT generation fleet and determination of required ancillary services. Draft Phase II results are expected within the next two weeks.

- CREZ Study (SB20)
 - System Planning is analyzing transmission solutions as part of the CREZ Transmission Optimization Study. The next RPG-CREZ Task Force meeting will be held on December 14, 2007
- 2007 Five Year Plan
 - Economic phase is nearing completion
 - Starting the write-up of the Five Year Plan documentation
- The TPIT With Cost was sent to TO's and the TPIT No Cost report has been posted and sent to RPG members and TOs.
- The 2007 Constraints and Needs Report will be published mid-December.