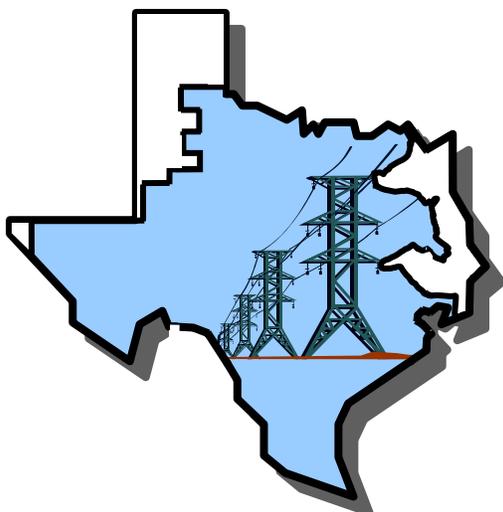




# System Planning Division



## Monthly Status Report to Reliability and Operations Subcommittee for May 2007

### Report Highlights

#### Item

1. New Generation Beginning Commercial Operations in May is 1,088 MW
2. ERCOT is currently tracking 185 active generation interconnection requests totaling over 80,000 MW. This includes over 28,000 MW of Wind Generation.
3. Regional Planning is currently reviewing proposed transmission improvements with a total cost ranging from \$231 M to \$284 M.

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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 following new generators went into commercial operation:

Colorado Bend Energy Center Units 1 – 3 (Wharton County) a total of 257 MW (Natural gas)

Quail Run Energy Center Units 1 – 3 (Ector County) a total of 264 MW (Natural Gas)

Post Oak Wind Farm (Shackelford County), 200 MW

Camp Springs Wind Farm (Scurry County), 134.4 MW

Buffalo Gap 2 Wind Farm (Nolan County), 233 MW

## 1.2. Active Generation Interconnection Requests

<b>GENERATION INTERCONNECTION REQUESTS CURRENTLY BEING PROCESSED</b>					
<b>Currently tracking 185 active generation interconnection or change requests</b>					
<b>As of May 31, 2007</b>					
		<b>North</b>	<b>South</b>	<b>West</b>	<b>Total</b>
Security Screening Study		3	4	16	23
SSS Completed		10	14	25	49
Full Interconnect Study		20	23	46	89
FIS Completed		0	0	2	2
Interconnect Agreement Completed		7	2	13	22
Capacity for Grid, MWs		<b>25,353</b>	<b>30,665</b>	<b>24,252</b>	<b>80,270</b>
Wind MWs		1,784	4,328	22,379	28,491

<b>Fuel</b>	<b>Public (MWs)</b>	<b>Non-public (MWs)</b>	<b>Total (MWs)</b>
<b>Natural gas</b>	2,300	14,417	16,717
<b>Nuclear</b>	5,986	19,200	25,186
<b>Coal</b>	4,491	4,315	8,806
<b>Wind</b>	2,989	25,502	28,491
<b>Other</b>	0	1,070	1,070
<b>Totals</b>	15,766	64,504	80,270

## 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 May 31, 2007

INR #	Site Name	Status	County	Region	Fuel	In Service Date	MW into Grid	Change from Last Report
03INR0030	Wild Horse 1	IA	Cottle	West	Wind	Jun-07	126	
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	214	Signed IA
07INR0028	Goat Wind 1	IA	Sterling	West	Wind	Dec-07	150	Signed IA
04INR0017	Ocotillo Wind Farm 1	IA	Howard	West	Wind	Dec-07	59	
04INR0020	Project Snyder	IA	Scurry	West	Wind	Dec-07	63	
07INR0045	Roscoe 1	IA	Scurry	West	Wind	Dec-07	209	
07INR0010	Stanton Wind 1	IA	Martin	West	Wind	Dec-07	101	
03INR0034	Silver Star 1	IA	Erath	North	Wind	Dec-07	60	
07INR0023	Sweetwater Wind 4	IA	Nolan	West	Wind	Dec-07	300	
07INR0030	Buffalo Gap 3	IA	Nolan	West	Wind	Apr-08	138	Signed IA
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	150	Signed IA
03INR0030	Wild Horse 2	IA	Cottle	West	Wind	Aug-08	39	
05INR0015	Gulf Wind 1	PL	Kenedy	South	Wind	Sep-08	400	
09INR0006	Oak Grove 1	IA	Robertson	North	Coal	Apr-09	855	
09INR0006	Greenville	PL	Hunt	North	Gas	May-09	1750	
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 2	IA	Robertson	North	Coal	Oct-09	855	
09INR0002	J K Spruce 2	IA	Bexar	South	Coal	Jun-10	750	
05INR0015	Gulf Wind 3	PL	Kenedy	South	Wind	Sep-10	400	
11INR0001	Twin Oaks 3	PL	Robertson	North	Coal	Jun-11	630	
09INR0001	Sandy Creek 1	IA	McLennan	North	Coal	Sep-11	800	
15INR0002	Comanche Peak 3 & 4	PL	Somervell	North	Nuclear	Jan-15	3200	
15INR0008	South Texas Project 3 & 4	PL	Matagorda	South	Nuclear	Jan 2015	2700	
<b>Total</b>							<b>15,766</b>	

## 2. Regional Planning Group Project Reviews

### 2.1. CREZ Study (SB20)

- Prepared rebuttal testimony for PUCT Docket 33672; responded to RFI's from several parties.
- Will participate in the Hearing on the Merits June 11 – 15.
- The Wind Impact/Ancillary Services study is continuing. Additional data have been provided to GE Energy. The first ROS Wind Impact Task Force meeting was held in late May; the next meeting is scheduled for June 29.

### 2.2. Regional Planning Group Project Reviews

- The following projects are required to go the BOD
  - TNP-Bell County 345 kV double circuit estimate BOD date TBD
  - HACM Phase II (Houston Area Constraint Mitigation) estimated July 2007 BOD
  - Parkdale Dynamic Reactive Project estimated September 2007 BOD
- Oncor TNP One – East Bell County 345kV Double Circuit Project has been submitted. This is a \$63 million project in north central Texas driven primarily by the proposed addition of new coal generation in the area. The ERCOT Independent Review of this project is complete, however unlike other projects, this project is contingent upon certain generation being built and will not go to the BOD until that time.
- Oncor Able Springs has been submitted. It is a \$12.8 million project primarily to serve a customer in Kaufman County. Review of this project is complete and a RPG endorsement letter has been completed.
- CNP Houston Area Constraint Mitigation Phase II Project has been submitted. It is a \$37.9 million project to increase the North to Houston import capability. It has completed the comment phase with no comments requiring CNP resolution and is currently in ERCOT Independent Review.
- Oncor has submitted the Jewett to West Fairfield 138 kV line rebuild project. This is a \$17.9 M dollar project in Leon and Freestone counties. Review of this project is complete and a RPG endorsement letter has been completed.
- LCRA has submitted the Paleface to Miller 138 kV line rebuild project. This is a \$9.4 M dollar project in Travis and Blanco counties. This project is has been withdrawn.
- Oncor has submitted the Parkdale Dynamic Reactive Project. This is a \$45-\$98 M dollar project to add a dynamic reactive device in the DFW area. This project is currently in ERCOT Independent Review.
- GVEC has submitted the Wilson to Sutherland Springs 138 kV line project. This is a \$5.4 M dollar project to add a new 138 kV line in Wilson County. Review of this project is complete and a RPG endorsement letter has been completed.
- CPSE has submitted the Skyline Auto #3 Addition project. This is a \$4.0 M project to add a third 345/138 kV autotransformer at Skyline substation in Bexar county. Review of this project is complete and a RPG endorsement letter has been completed.

- Oncor has submitted the Shamburger Autotransformer Replacement Project to replace a 493 MVA 345/138 kV autotransformer with a 600 MVA unit. It is a \$5.8 million project in Smith County and is currently in ERCOT Independent Review.
- TXU Wholesale has submitted the Sandow to Taylor to Hutto 138 kV Upgrade Project. It is a \$9.24 million project in Milam and Williamson counties and is currently in ERCOT Independent Review.
- CPSE has submitted the Spruce to Skyline 2<sup>nd</sup> 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. This project is currently in ERCOT Independent Review.
- 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.

### 3. Other Notable Activities

- NERC Reporting - Completed ERO-2007 Long Term Reliability Assessment for the ERCOT Region and sent to NERC
- Load Forecasting - Finalized the Load Shape and Energy forecasting models for the 2007 long-term peak and energy demand forecast. Completed a presentation comparing the results of the 2007 Long Term Forecasting Model (LTFM) with last year's forecast (2006 LTFM). Completed the forecast report with the forecast results obtained using the 2007 LTFM
- Combined Cycle Model Development - Continuing to support PTI in the development of combined cycle power plant (CCPP) stability models.
  - Addressed issues with data from the "ERCOT Combined Cycle Dispatch survey" that were identified by PTI. The due date to complete the project was extended to the end of May, 2007 due to delays getting data from stakeholders.
  - PTI is scheduled to present the final project report and provide training in the use of the CCPP stability model June 12-15, 2007.
- Entergy Integration Study - Hearing on the merits in PUCT Docket 33687 was held in May.
- 2008 Steady State Working Group Data Set A cases are under development. The cases should be posted for market use in early July.