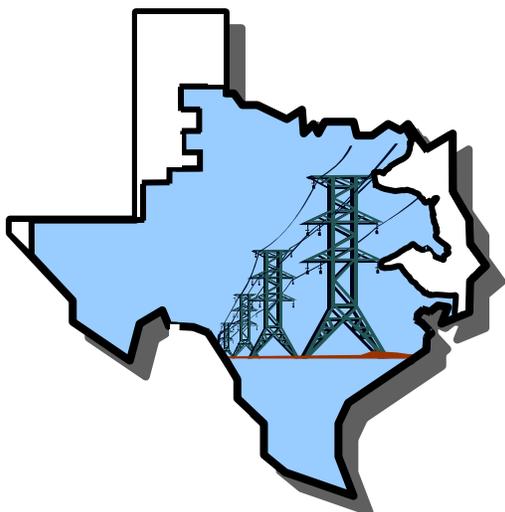




# System Planning Division



## Monthly Status Report to Reliability and Operations Subcommittee for May 2008

### Report Highlights

#### Item

1.
  - ERCOT is currently tracking 240 [active generation interconnection requests](#) totaling over 106,000 MW. This includes almost 51,000 MW of wind generation
  - [New Interconnect Agreements](#) signed:
    - Jackson Mountain Wind (06INR0029) in Nolan County for 90 MW
  - 743 MW of new generation began commercial operation
2. [Regional Planning](#) is currently reviewing proposed transmission improvements with a total cost of \$275.9 M.

## Table of Contents

1. Generation Interconnection.....	1
1.1. New Generation Beginning Commercial Operations.....	1
1.2. New Signed Interconnection Agreements (also found in 1.4 Table) .....	1
1.3. Summary of Active Generation Interconnection Requests .....	1
1.4. Potential Future Generation Interconnections.....	2
2. Regional Planning Group Project Reviews.....	3
3. Other Notable Activities .....	4

# 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

### Gas

- Laredo Peaking Power Plant for 193 MW in Webb County
- Colorado Bend 2 Combined Cycle for 275 MW in Wharton County
- Quail Run 2 Combined Cycle for 275 in Ector County

### Wind

- None, however total installed capacity has increased due to reconciliation with registration forms. The new installed wind capacity is 5,519 MW.

## 1.2. New Signed Interconnection Agreements

- Jackson Mountain Wind (06INR0029) in Nolan County for 90 MW

## 1.3. Summary of Active Generation Interconnection Requests

<b>GENERATION INTERCONNECTION REQUESTS CURRENTLY BEING PROCESSED</b>					
<b>Currently tracking 242 active generation interconnection or change requests</b>					
<b>As of May 31, 2008</b>					
		<b>North</b>	<b>South</b>	<b>West</b>	<b>Total</b>
Security Screening Study		5	10	15	30
SSS Completed		6	10	24	40
Full Interconnect Study		30	28	72	130
FIS Completed		0	3	0	3
Interconnect Agreement Completed		7	7	23	37
Capacity for Grid, MW		<b>29,133</b>	<b>33,187</b>	<b>43,921</b>	<b>106,241</b>
Wind Capacity, MW		2,555	7,763	40,601	50,919

<b>Fuel</b>	<b>Public(MW)</b>	<b>Non-Public (MW)</b>	<b>Total (MW)</b>
<b>Combined Cycle - Gas</b>	3,740	26,341	30,081
<b>Combustion Turbine - Gas</b>	505	400	905
<b>Nuclear</b>	9,186	6,400	15,586
<b>Coal</b>	4,131	4,144	8,275
<b>Wind</b>	10,090	40,829	50,919

<b>Other</b>		475	475
<b>Totals</b>	27,652	78,589	106,241

#### 1.4. 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, 2008

INR	SiteName	Status	County	Region	Fuel	In-Service Date	MW Into Grid	Change from Last Report
07INR0027	South Houston Green Pwr Exp Prj1	IA	Galveston	South	Gas-CC	Jun-08	244	
07INR0022	Airtricity Panther Creek Wind Farm	IA	Howard	West	Wind	Jun-08	150	
08INR0028	McAdoo Energy Center	IA	Dickens	North	Wind	Jul-08	300	
08INR0050	Victoria Power Station	IA	Victoria	South	Gas-CC	Jul-08	332	Date Chg
03INR0030b	Wild Horse Wind Farm 2	IA	Cottle	West	Wind	Aug-08	39	
04INR0017	Ocotillo Wind Farm 1	IA	Howard	West	Wind	Aug-08	59	
04INR0011b	Mesquite Wind Phase 4	IA	Shackelford	West	Wind	Aug-08	136	
04INR0011c	Cottonwood Wind	IA	Shackelford	West	Wind	Aug-08	100	
08INR0055	Capricorn Ridge III	IA	Coke	West	Wind	Aug-08	249	
06INR0012a	Sherbino Mesa Wind Farm 1	IA	Pecos	West	Wind	Sep-08	150	
08INR0038	M Bar Wind	PL	Andrews	West	Wind	Sep-08	194	
07INR0034	Wolf Ridge Windfarm	IA	Cooke	North	Wind	Oct-08	113	
07INR0025	Airtricity Lamesa Wind Plant	IA	Dawson	West	Wind	Oct-08	183	
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	
05INR0015a	Gulf Wind 1	IA	Kenedy	South	Wind	Dec-08	283	
06INR0022a	Penascal Wind Farm 1	IA	Kenedy	South	Wind	Dec-08	202	
07INR0005	Notrees-1	IA	Ector	West	Wind	Dec-08	151	
04INR0011e	Hackberry Wind Farm	IA	Shackelford	West	Wind	Dec-08	165	
07INR0011	Turkey Track Energy Center	IA	Nolan	West	Wind	Dec-08	170	
07INR0029	South Trent Wind Farm	IA	Taylor	West	Wind	Dec-08	101	
08INR0018	Gunsight Mountain	IA	Howard	West	Wind	Dec-08	120	
08INR0025	Pistol Hill Energy Center	PL	Ector	West	Wind	Dec-08	300	
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	
09INR0026a	Sterling Energy Center	PL	Sterling	West	Wind	Dec-08	200	
08INR0046	Bosque Expansion	IA	Bosque	North	Gas-CC	Mar-09	255	
07INR0036	Coyote Run Windfarm	IA	Borden	West	Wind	Mar-09	225	
08INR0065	Buffalo Gap 4 and 5	PL	Nolan	West	Wind	Mar-09	465	
09INR0072	Dansby3	PL	Brazos	North	Gas-CT	Apr-09	48	New PL
09INR0028	V H Braunig 6	PL	Bexar	South	Gas-CT	May-09	185	

08INR0040	Lenorah Project	PL	Martin	West	Wind	May-09	350	
09INR0060	Wind TexStephens WindFrm	PL	Borden	West	Wind	May-09	141	
08INR0035	Cedar Bayou 4	IA	Chambers	South	Gas-CC	Jun-09	539	MW adj
09INR0026	Sterling Energy Center	PL	Sterling	West	Wind	Jun-09	300	
09INR0036	McAdoo Energy Center II	PL	Dickens	West	Wind	Jun-09	500	
09INR0006a	Oak Grove SES 1	IA	Robertson	North	Coal	Jul-09	855	Date adj
08INR0003	Sandow 5	IA	Milam	North	Coal	Jul-09	581	
09INR0027	Winchester Power Park	IA	Fayette	South	Gas-CT	Jul-09	178	Date adj
05INR0015b	Gulf Wind 2	PL	Kenedy	South	Wind	Sep-09	400	
09INR0015	Comanche Peak 1&2 Upgrade	PL	Somervell	North	Nuclear	Oct-09	86	
09INR0045	Sand Hill Peakers	PL	Travis	South	Gas-CT	Nov-09	94	Date/MW adj
03INR0030a	Wild Horse Wind Farm 1	IA	Cottle	West	Wind	Nov-09	60	
09INR0034	Gatesville Wind Farm	PL	Coryell	North	Wind	Dec-09	200	
09INR0006b	Oak Grove SES 2	IA	Robertson	North	Coal	Jan-10	855	Date adj
06INR0029	Jackson Mountain	IA	Nolan	West	Wind	Jan-10	90	New IA
09INR0037	Scurry County Wind III	PL	Scurry	West	Wind	Mar-10	350	
06INR0006	Cobisa-Greenville	PL	Hunt	North	Gas-CC	May-10	1,750	
09INR0002	J K Spruce 2	IA	Bexar	South	Coal	Jun-10	750	
05INR0015c	Gulf Wind 3	PL	Kenedy	South	Wind	Sep-10	400	
06INR0012b	Sherbino Mesa Wind Farm 2	IA	Pecos	West	Wind	Oct-10	150	
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	
09INR0001	Sandy Creek 1	IA	McLennan	North	Coal	Jun-12	925	Date adj
09INR0024	B&B Panhandle Wind	PL	Carson	West	Wind	Jun-12	1,001	
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	3,200	
15INR0008	STP 3 and 4	PL	Matagorda	South	Nuclear	Jan-15	2,700	
11INR0011	Victoria City Nuclear	PL	Victoria	South	Nuclear	Jan-15	3,200	

## 2. Regional Planning Group Project Reviews

- 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. The review of this project has been completed and the RPG Acceptance letter was distributed on May 19<sup>th</sup>, 2008.
- LCRA submitted a project to add a 3<sup>rd</sup> 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.
- 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. This project is currently in ERCOT Independent Review.

- 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. The review of this project is complete with ERCOT Board of Directors recommendation on May 20<sup>th</sup>, 2008.
- Oncor submitted a project to upgrade the Hillsboro to Alvarado 69 kV line. This project will reconstruct the 27.2 mile line using conductor rated a minimum of 897 amperes on double circuit structures. The estimated cost is \$12.15 M. This project is currently in ERCOT Independent Review.
- Oncor submitted a project to add a 300 Mvar dynamic reactive device at Renner station (tentative) by summer 2010. This cost of this project will be \$35 M. This project is in ERCOT Independent Review.
- American Electric Power Service Corporation submitted a project to construct 2 new 138 kV substations, rebuild a 138 kV circuit, build 2 new 138 kV circuits, and install a new 138/69 kV autotransformer in the Abilene/San Angelo area. The estimated cost of this project is \$105.9 M. This project is currently in the comment period.

### **3. Other Notable Activities**

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

- TPIT Report was filed on June 1, 2008