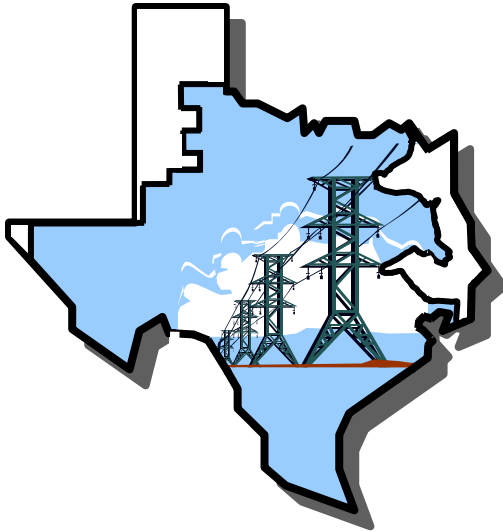




System Planning Division



Monthly Status Report

to

Reliability and Operations Subcommittee

for

April 2009

Report Highlights

Item

1.
 - **ERCOT is currently tracking 243 active generation interconnection requests totaling almost 97,000 MW. This includes over 48,000 MW of wind generation.**

2.
 - **Regional Planning is currently reviewing proposed transmission improvements with a total cost of \$979.3 Million**
 - **Transmission Projects approved in 2009 total \$ 105 Million**
 - **All projects (in engineering, routing, licensing and construction) totals approximately \$4.1 Billion**
 - **Transmission Projects energized in 2008 total about \$453 million**

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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://planning.ercot.com/login/login>.

1.1 New Generation Beginning Commercial Operations

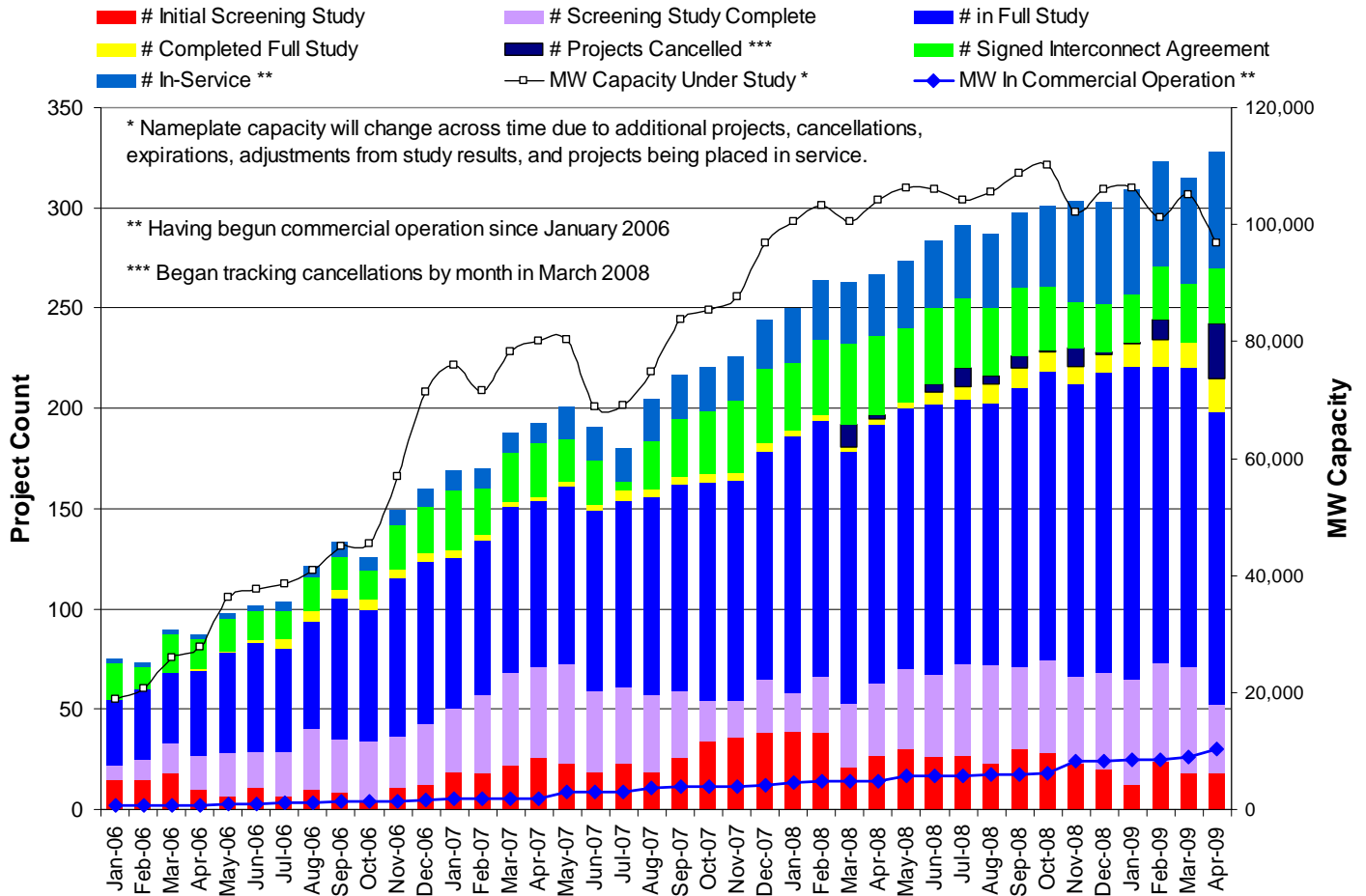
- Bosque Expansion (08INR0046) - 255 MW Combined Cycle in Bosque County
- South Houston Green Power Expansion (07INR0027) - 244 MW Combined Cycle in Galveston County
- Winchester Power Park (09INR0027) - 178 MW Combustion Turbine in Fayette County
- Sandow 5 (08INR0003) - 581 MW Coal in Milam County
- Goat Wind Phase 2 (07INR0028b) - 70 MW Wind in Sterling County
 - The total installed wind capacity is now 8,135 MW, of which 7,477 (92%) is located within the Western Congestion Management Zone.

1.2 New Generation Interconnection Agreements

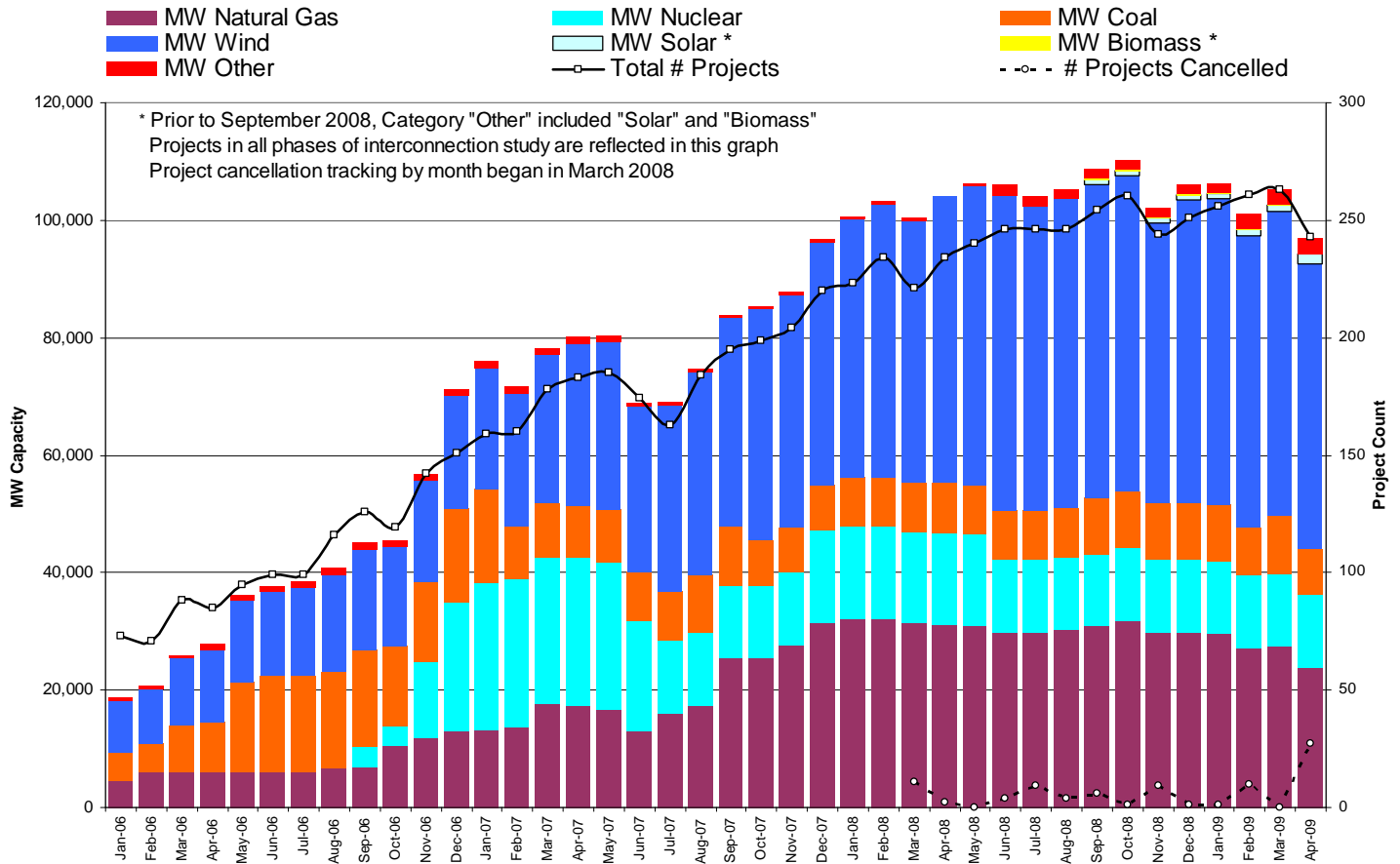
- Nacogdoches Project (09INR0007) - 100 MW Biomass in Nacogdoches County

1.3 Summary of Active Generation Interconnection Requests

GENERATION INTERCONNECTION REQUESTS CURRENTLY BEING PROCESSED				
Currently tracking 243 active generation interconnection or change requests				
As of April 30, 2009	North	South	West	Total
Security Screening Study	3	6	9	18
SSS Completed	2	9	23	34
Full Interconnect Study	29	36	81	146
FIS Completed	6	7	4	17
Interconnect Agreement Completed	7	9	12	28
Capacity under Interconnection Agreements	4,722	2,146	2,093	8,961
Capacity for Grid, MW	23,255	33,416	40,152	96,833
Wind Capacity, MW	2,610	9,522	36,545	48,677



Fuel Type	Confidential Projects (MW)	Projects Under Full Study (MW)	Projects w/ Interconnect Agreement/Public Letter (MW)	Grand Total (MW)
Gas-CC	-	-	4,241	22,276
Gas-CT	-	-	527	1,677
Total Gas	5,518	13,667	4,768	23,953
Nuclear	-	3,200	9,186	12,386
Coal	1,463	2,532	3,550	7,545
Wind	10,667	30,636	7,374	48,677
Solar	1,268	369	-	1,637
Biomass		50	145	195
Other	950	1,480	-	2,430
Grand Total	19,866	51,934	25,023	96,823



1.4 Publicly Disclosed Generation Interconnection Projects

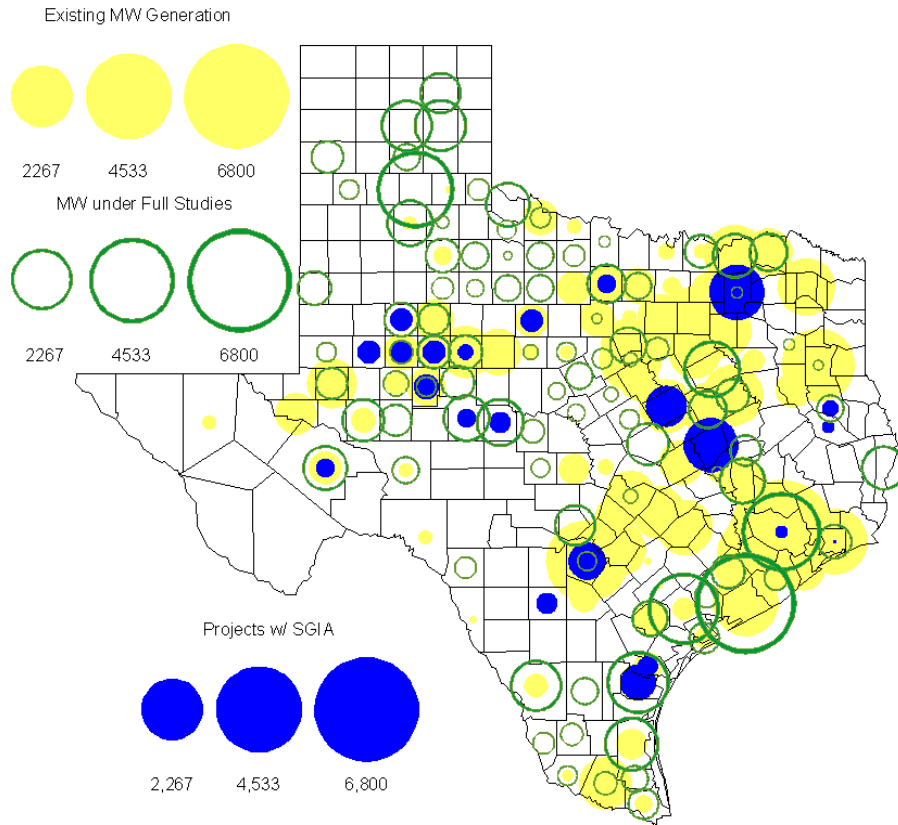
The table below summarizes the publicly disclosed generation projects for the ERCOT region.

(IA=Interconnect Agreement, PL=Public Letter, XX= cancelled)

Generation Interconnections as of April 30, 2009								
INR	SiteName	Status	County	Region	COD	Fuel	MW For Grid	Change from Last Report
10INR0025	Mont Belvieu	IA	Chambers	South	May-09	Gas-CT	0	Date
09INR0036	McAdoo Energy Center II	PL	Dickens	West	Jun-09	Wind	500	
09INR0039	Nueces Bay 7 Repowering	IA	Nueces	South	Jul-09	Gas-CC	327	
09INR0079	Pearsall Expansion	IA	Frio	South	Aug-09	Gas-CT	200	
09INR0072	Dansby3	PL	Brazos	North	Aug-09	Gas-CT	48	Date
08INR0033	Lufkin	IA	Angelina	North	Sep-09	Biomass	45	
05INR0015b	Gulf Wind 2	PL	Kenedy	South	Sep-09	Wind	400	
09INR0015	Comanche Peak 1&2 Upgrade	PL	Somervell	North	Oct-09	Nuclear	86	
09INR0028	V H Braunig 6	IA	Bexar	South	Oct-09	Gas-CT	185	
08INR0012a	Papalote Creek Wind Farm	IA	San Patricio	South	Oct-09	Wind	180	Date
09INR0038	Barney Davis 2 Repowering	IA	Nueces	South	Nov-09	Gas-CC	360	
11INR0015	Panther Creek 3	IA	Sterling	West	Nov-09	Wind	200	
09INR0006a	Oak Grove SES 1	IA	Robertson	North	Nov-09	Coal	855	Date
09INR0034	Gatesville Wind Farm	PL	Coryell	North	Dec-09	Wind	200	

09INR0047	Loraine Windpark	IA	Mitchell	West	Dec-09	Wind	251	
08INR0038	M Bar Wind	PL	Andrews	West	Dec-09	Wind	194	
10INR0026	Langford Wind Power	IA	Tom Green	West	Dec-09	Wind	150	
06INR0029	Jackson Mountain	IA	Nolan	West	Jan-10	Wind	90	
11INR0014	TECO Central Plant	IA	Harris	South	Feb-10	Gas-CC	50	
09INR0037	Scurry County Wind III	PL	Scurry	West	Mar-10	Wind	350	
09INR0006b	Oak Grove SES 2	IA	Robertson	North	May-10	Coal	855	Date
09INR0002	J K Spruce 2	IA	Bexar	South	Jun-10	Coal	750	
09INR0045	Sand Hill Peakers	IA	Travis	South	Jul-10	Gas-CT	94	
05INR0015c	Gulf Wind 3	PL	Kenedy	South	Sep-10	Wind	400	
06INR0012b	Sherbino Mesa Wind Farm 2	IA	Pecos	West	Oct-10	Wind	150	
08INR0011	Senate Wind Project	IA	Jack	North	Nov-10	Wind	150	
12INR0003	Throckmorton Wind Farm	PL	Throckmorton	West	Dec-10	Wind	400	
08INR0065	Buffalo Gap 4 and 5	PL	Nolan	West	Mar-11	Wind	465	
07INR0036	Coyote Run Windfarm	IA	Borden	West	Mar-11	Wind	225	Date
10INR0020	Panda Temple Power	PL	Bell	North	May-11	Gas-CC	1092	
10INR0010	Jack County 2	PL	Jack	North	Jun-11	Gas-CC	620	
08INR0018	Gunsight Mountain	IA	Howard	West	Aug-11	Wind	120	
09INR0060	Stephens Wind Farm	PL	Borden	West	Nov-11	Wind	141	Date
06INR0026	Wild Horse Mountain	IA	Howard	West	Dec-11	Wind	120	
08INR0025	Pistol Hill Energy Center	PL	Ector	West	Dec-11	Wind	300	
09INR0007	Nacogdoches Project	IA	Nacogdoches	North	Apr-12	Biomass	100	
07INR0004	Pampa Energy Center	PL	Gray	West	May-12	Coal	165	
09INR0001	Sandy Creek 1	IA	McLennan	North	Jun-12	Coal	925	
09INR0026a	Sterling Energy Center	PL	Sterling	West	Jun-12	Wind	200	
09INR0026	Sterling Energy Center	IA	Sterling	West	Jun-12	Wind	300	
09INR0024	B&B Panhandle Wind	PL	Carson	West	Jun-12	Wind	1001	
12INR0004	Fort Concho Wind Farm	PL	Tom Green	West	Jul-12	Wind	400	
08INR0040	Lenorah Project	IA	Martin	West	Sep-12	Wind	251	
06INR0006	Cobisa-Greenville	IA	Hunt	North	May-13	Gas-CC	1792	
04INR0011c	Cottonwood Wind	IA	Shackelford	West	Jun-13	Wind	100	
04INR0011b	Mesquite Wind Phase 4	IA	Shackelford	West	Jun-13	Wind	136	
15INR0002	Comanche Peak 3 and 4	PL	Somervel	North	Jan-15	Nuclear	3200	
15INR0008	STP 3 and 4	PL	Matagorda	South	Jan-15	Nuclear	2700	
11INR0011	Victoria City Nuclear	PL	Victoria	South	Jan-15	Nuclear	3200	
							25,023	

County Location of Installed Generation and Interconnection Requests (all fuels)



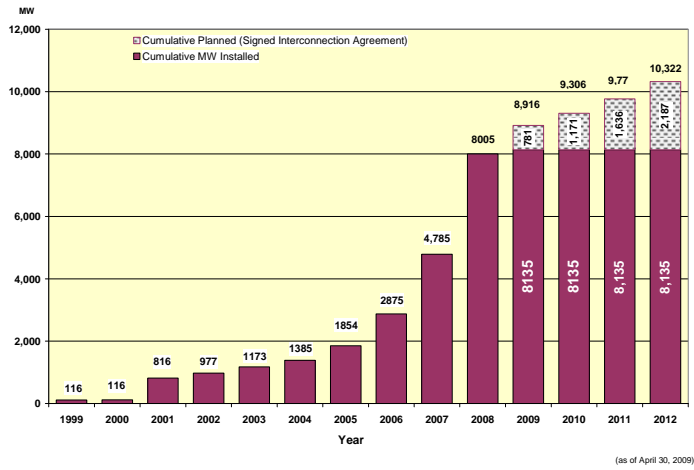
1.5 Generation Projects Undergoing Full Interconnection Studies

INR	County	Capacity	COD	Fuel	INR	County	Capacity	COD	Fuel
08INR0044	Concho	200	TBD	Wind	06INR0022c	Kenedy	200	TBD	Wind
09INR0064	Borden	41	TBD	Wind	08INR0042	Coke	200	TBD	Wind
08INR0041	Coke	200	TBD	Wind	09INR0005	Calhoun	280	TBD	Other
09INR0059	Freestone	20	TBD	Coal	09INR0025	Concho	180	Jun-09	Wind
09INR0044	Coke	60	Sep-09	Wind	10INR0027	Nueces	35	Oct-09	Wind
09INR0075	Kinney	248	Oct-09	Wind	09INR0055	McCulloch	299	Oct-09	Wind
09INR0041	Mitchell	300	Oct-09	Wind	07INR0014b	Wilbarger	70	Oct-09	Wind
07INR0014a	Wilbarger	140	Oct-09	Wind	09INR0048	Jack	150	Oct-09	Wind
08INR0054	Comanche	401	Oct-09	Wind	09INR0073	Scurry	200	Nov-09	Wind
08INR0031	Childress	100	Nov-09	Wind	11INR0013	Mills	150	Dec-09	Wind
08INR0039	Hamilton	90	Dec-09	Wind	11INR0012	Duval	400	Dec-09	Wind
09INR0082	Webb	300	Dec-09	Wind	09INR0065	Webb	150	Dec-09	Wind
09INR0077	Reagan	500	Dec-09	Wind	09INR0061	Kent	258	Dec-09	Wind
09INR0058	Howard	250	Dec-09	Wind	09INR0054	Stonewall	148.5	Dec-09	Wind
09INR0051	Borden	249	Dec-09	Wind	08INR0056	Nolan	149	Dec-09	Wind

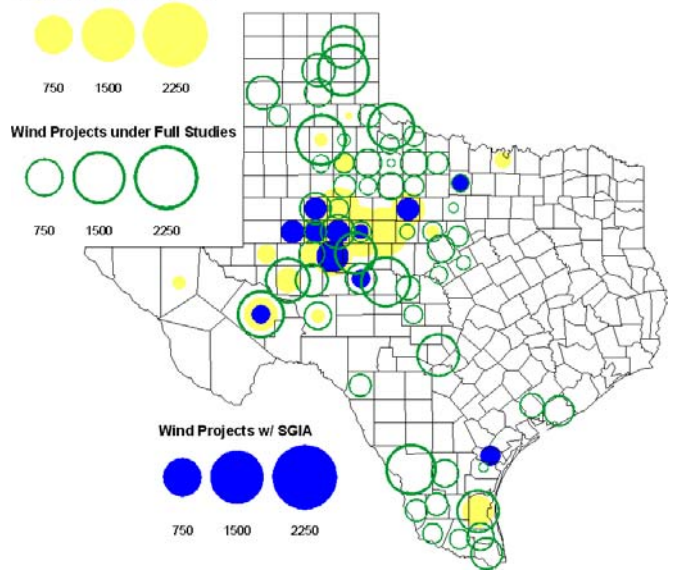
08INR0023	Floyd	100	Dec-09	Wind		08INR0022	Floyd	100	Dec-09	Wind
10INR0011	Johnson	275	Jan-10	Gas		11INR0036a	Matagorda	200	Jan-10	Wind
11INR0033a	Cameron	200	Jan-10	Wind		10INR0047	Kendall	1000	Jan-10	wind
10INR0048	Hardeman	1000	Jan-10	wind		10INR0024	Briscoe	3000	Jan-10	Wind
10INR0046	Jim Hogg	264	Apr-10	wind		10INR0045	Webb	734	Apr-10	wind
10INR0054	Palo Pinto	36	May-10	Wind		10INR0079	Nolan	60	May-10	Wind
10INR0023	Haskell	386	May-10	Wind		10INR0016	Childress	150	May-10	Wind
09INR0070	Reagan	42	May-10	Wind		09INR0069	Reagan	36	May-10	Wind
09INR0035	Concho	750	May-10	Wind		09INR0018	Concho	249	May-10	Wind
07INR0032	Tom Green	249	May-10	Wind		10INR0069	Rusk	818	May-10	Coal
10INR0076	Webb	225	May-10	Wind		10INR0029	Hood	810	Jun-10	Gas
09INR0081	Rusk	818	Jun-10	Coal		10INR0035	Harris	416	Jun-10	Gas
10INR0052a	Knox	21	Jul-10	Wind		10INR0013	Upton	400	Jul-10	Wind
10INR0038	Glasscock	350	Aug-10	Wind		10INR0071	Matagorda	88	Sep-10	Wind
10INR0041	Floyd	135	Oct-10	Wind		10INR0015	Mitchell	350	Oct-10	Wind
09INR0074	Motley	70	Oct-10	Wind		10INR0070	Hunt	50	Nov-10	Gas
11INR0029	Throckmorton	200	Nov-10	Wind		10INR0039	Dickens	200	Nov-10	Wind
10INR0042	Mason	170	Dec-10	Wind		10INR0032	Navarro	800	Dec-10	Gas
10INR0060	Willacy	400.5	Dec-10	Wind		10INR0059	Zapata	250.7	Dec-10	Wind
09INR0076	Jackson	300	Dec-10	Wind		10INR0080	Presidio	144	Dec-10	Solar
10INR0077	Callahan	101	Dec-10	Wind		10INR0056	Borden	249	Dec-10	Wind
10INR0049	Pecos	200	Dec-10	Wind		10INR0033	Armstrong	420	Dec-10	Wind
10INR0019	Deaf Smith	609	Dec-10	Wind		10INR0008	Pecos	500	Dec-10	Wind
09INR0031	Ector	275	Dec-10	Gas		08INR0062	Archer	249	Dec-10	Wind
08INR0061	Hardeman	200	Dec-10	Wind		07INR0035	Tom Green	270	Dec-10	Wind
07INR0026	Baylor	400	Dec-10	Wind		07INR0017	Erath	210	Dec-10	Wind
07INR0015	Foard	180	Dec-10	Wind		07INR0013	Coke	200	Dec-10	Wind
11INR0036b	Matagorda	200	Jan-11	Wind		11INR0033b	Cameron	200	Jan-11	Wind
11INR0050	Crosby	149	Mar-11	Wind		11INR0037	Smith	55	May-11	Biomass
11INR0028	Grimes	1280	May-11	Gas		11INR0046	Brazoria	300	May-11	Gas
11INR0061	Presidio	90	May-11	Solar		11INR0058	Pecos	135	May-11	Solar
10INR0009	Castro	200	May-11	Wind		11INR0009	Navarro	1200	Jun-11	Gas
09INR0050	Fannin	1200	Jun-11	Gas		11INR0057	Cameron	144	Jun-11	Wind
11INR0019	Upton	200	Jun-11	Wind		08INR0020	Eastland	200	Jun-11	Wind
11INR0006	Lamar	579	Jul-11	Gas		11INR0040	freestone	749	Aug-11	Gas
11INR0039	Starr	201	Sep-11	Wind		11INR0008a	Roberts	1000	Sep-11	Wind
10INR0021	Grayson	646	Nov-11	Gas		06INR0022d	Kenedy	200	Dec-11	Wind
11INR0043	Coke	300	Dec-11	Wind		11INR0025	Crockett	400	Dec-11	Wind
11INR0005	Upton	500	Dec-11	Wind		10INR0018	Madison	550	Mar-12	Gas
12INR0007	Lamar	296	May-12	Gas		12INR0006	Limestone	875	Jun-12	Coal
10INR0022	Harris	3500	Jun-12	Gas		12INR0002	Briscoe	750	Jul-12	Wind
12INR0016	Nueces	1200	Nov-12	Other		08INR0019c	Gray	250	Nov-12	Wind
08INR0019b	Gray	250	Nov-12	Wind		08INR0019a	Gray	250	Nov-12	Wind
12INR0022	Hidalgo	200	Dec-12	Wind		06INR0022f	Kenedy	200	Dec-12	Wind
06INR0022b	Kenedy	200	Dec-12	Wind		12INR0005	Floyd	1100	Dec-12	Wind
11INR0023	King	400	Dec-12	Wind		12INR0009	Nueces	875	May-13	Gas
13INR0005	Carson	600	Oct-13	Wind		13INR0006	Gray	750	Oct-13	Wind
06INR0022e	Kenedy	200	Dec-13	Wind		14INR0002	Goliad	756	Feb-14	Coal
14INR0003	Nolan	850	Jun-14	Coal		14INR0001	Pecos	500	Dec-14	Wind
15INR0003	Matagorda	3200	Jan-15	Nuclear						

1.6 Wind Generation

Wind Capacity Installed by Year



County Location of Installed Capacity and Interconnection Requests



2. Regional Planning Group Project Reviews

- 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. The review of this project is complete and an ERCOT Recommendation Letter is in process.
- Luminant submitted a set of projects to reduce North to South Congestion. It consists of several 138 kV line upgrades and series reactor installations. The total cost for all projects is approximately \$31 M. The review of this project is complete and a RPG Recommendation Letter has been completed and posted.
- Oncor submitted a project to relieve congestion related to new wind units in the Lamesa area. The project will upgrade 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, build a new 138 kV Ackerly Vealmoor station, add second circuits to all rebuilt lines and include station upgrades at China Grove and Big Spring. The cost of this project is \$ 80.8 M. This project will be reviewed to ensure that the improvements fit into the likely CREZ transmission solution for the area. This project is in ERCOT Independent Review and will be studied as part of the 2009 Five-Year Transmission Plan.
- Oncor submitted a project to add several 345 kV circuits to support the addition of Comanche Peak units 3 and 4 in 2015 at an estimated cost of \$ 133 M. These upgrades include a new 345 kV double circuit line with one circuit in place from Comanche to Whitney, a new 345 kV line from Comanche to Johnson Switch, a new circuit on existing structures from Johnson Switch to Everman, a new 345 kV double circuit with one circuit in place from Comanche to DeCordova, and a new 345 kV line on existing structures from Comanche to Parker Switch. This project is in ERCOT Independent Review and will be studied when the 2009 Five-Year Transmission Plan is complete.
- Sharyland Utilities submitted a project to construct and operate the ERCOT Southeast Loop facilities consisting of a 345 kV double circuit from Lufkin to Canal 345 kV substation on the northeast side of Houston. This project will cost \$359 M with an estimated completion date of summer 2013. This project is in ERCOT Independent Review and will be studied as part of the 2009 Five-Year Transmission Plan.
- Austin Energy submitted a project to relocate the Decker to Techridge circuit to new ROW so that the existing structures can be utilized for the new Gilleland to Techridge circuit. The estimated completion date of this project is November 2010 and estimated cost is \$ 4.3 M. This project is in ERCOT Independent Review.
- The Lower Colorado River Authority Transmission Services Company (LCRA TSC) submitted a project to construct a new 6.2 mile transmission line from Highway 123 to Cushman substation. The estimated completion date of this project is June 2014 and estimated cost is \$ 11.6 M. This project is in ERCOT Independent Review.
- The Lower Colorado River Authority Transmission Services Company (LCRA TSC) submitted a project to construct a new 7.8 mile transmission line between the existing GPI and Parkway substations. The estimated completion date of this project is June 2013 and estimated cost is \$ 12.9 M. This project is in ERCOT Independent Review.
- Centerpoint Energy has submitted a project to expand the Zenith substation, add one 800 MVA autotransformer, connect Zenith to existing circuits near the Gertie substation and upgrade/reconfigure

nearby 138 kV circuits. The estimated completion date of this project is summer 2012 and estimated cost is \$ 26.6 M. This project is in ERCOT Independent Review.

- American Electric Power Service Corporation submitted a project to construct several improvements in the Corpus Christi area. The estimated completion date of this project is June 2012 and estimated cost is \$ 214 M. This project is in Study Mode.

3. Other Notable Activities

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

- ERCOT Regional Planning has begun work on the 2009 Five-Year Transmission Plan utilizing the latest SSWG base cases. The conditioning phase is complete and the reliability phase has begun.
- Completed final RMR determination on Luminant Notice of Suspension of Operations (NSO) submission and recommended Permian Basin 5 and 6 for RMR. Continued analysis of RMR need using cases with 300 and 414MW of western ERCOT wind generation.
- Base Case creation for the Voltage Ride-Through study has begun using standard SSWG base cases. These base cases will be modified with a security constrained dispatch for two scenarios; high wind/high load and high wind/low load.
- Completed stability runs for DWG's study of LaaR capability at 2300 MW of the responsive reserve service.
- The Annual Load Data Request (ALDR) training was held on January 21, 2009.
- TPIT05012009 individual worksheets were sent to TO's for their updates and changes. All data changes are due back to ERCOT by May 2, 2009.