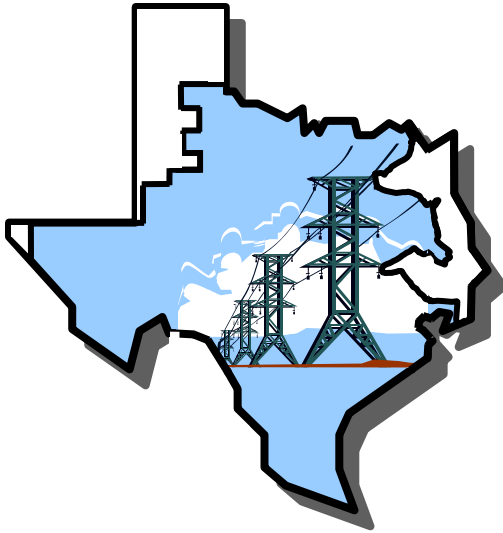




System Planning Division



Monthly Status Report to Reliability and Operations Subcommittee for May 2010

Report Highlights

Item

1.
 - ERCOT is currently tracking 217 active generation interconnection requests totaling over 72,000 MW. This includes over 43,000 MW of wind generation.
2.
 - Regional Planning is currently reviewing proposed transmission improvements with a total of \$712.5 Million
 - Transmission Projects approved in 2010 total \$2.9 Million
 - All projects (in engineering, routing, licensing and construction) total approximately \$9.6 Billion
 - Transmission Projects energized in 2010 total about \$41.3 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 Registering for Commercial Operations

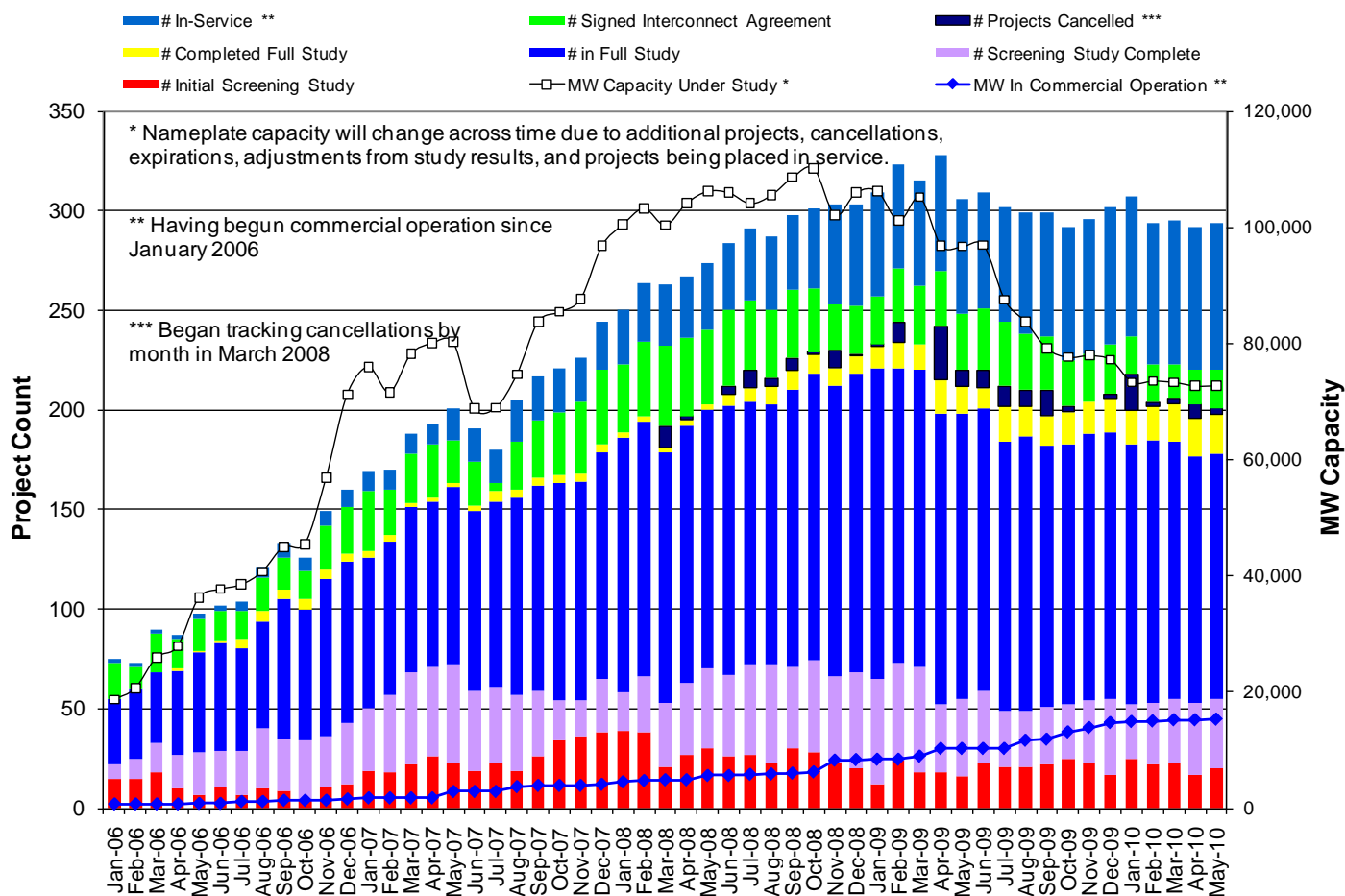
- TECO Central Plant (11INR0014) in Harris County for 50 MW of gas fired combined cycle generation, a portion of which will be available to the ERCOT grid.
- Greenville Engine Plant (10INR0070) in Hunt County for 50 MW of internal combustion peaking units
- The total installed wind capacity remains 9,117 MW, of which 7,958 MW (87%) is located within the Western Congestion Management Zone.

1.2 New Generation Interconnection Agreements

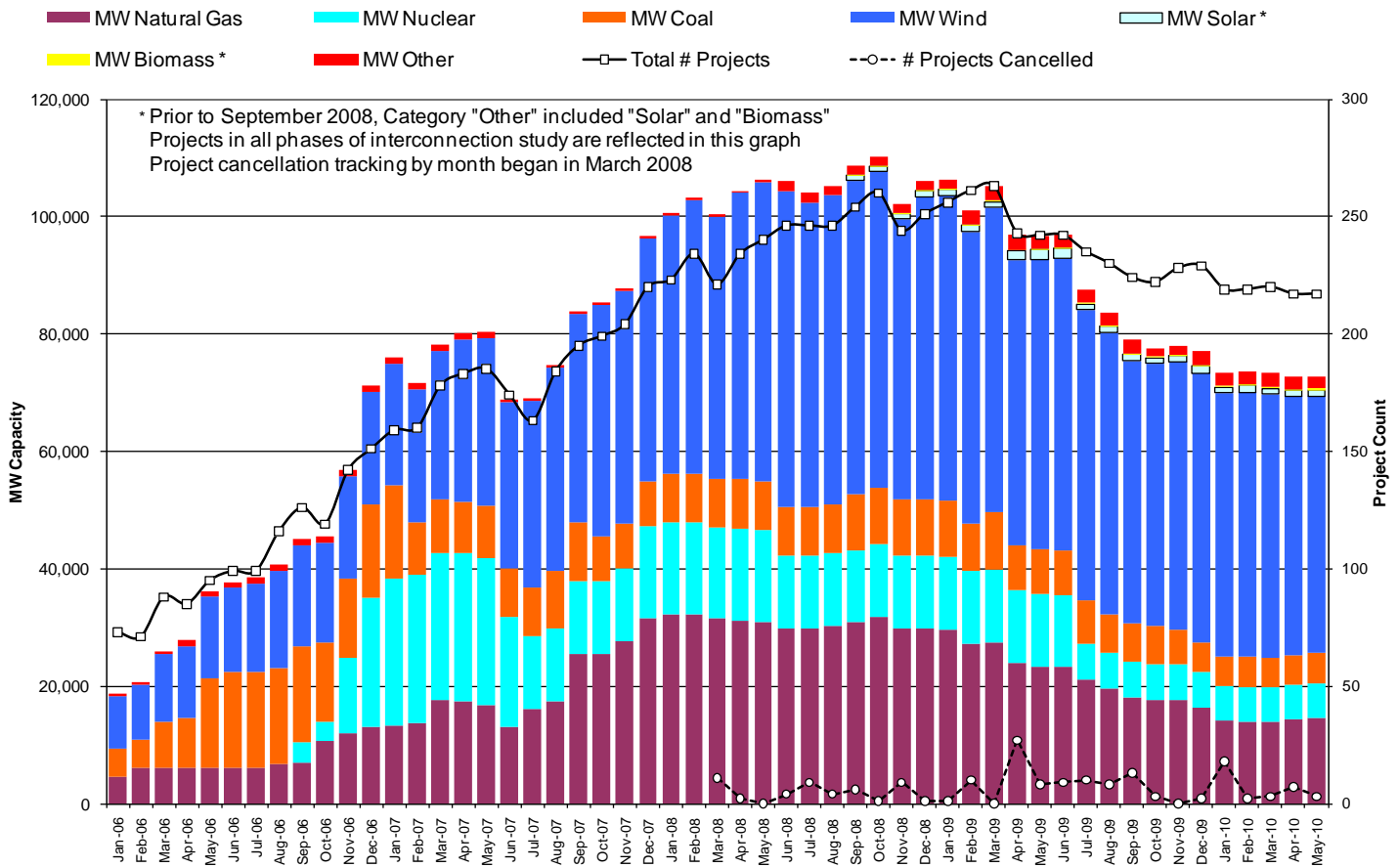
- Coletto Creek Unit 2 in Goliad County for 756 MW (Coal)
- Panda Temple Power in Bell County for 1,560 MW (Natural Gas)

1.3 Summary of Active Generation Interconnection Requests

GENERATION INTERCONNECTION REQUESTS CURRENTLY BEING PROCESSED				
Currently tracking 217 active generation interconnection or change requests				
As of May 31, 2010	North	South	West	Total
Security Screening Study	3	8	9	20
SSS Completed	11	6	18	35
Full Interconnect Study	21	18	84	123
FIS Completed	4	13	3	20
Interconnect Agreement Completed	8	6	5	19
Capacity under Interconnection Agreements	5,192	2,869	626	8,687
Capacity for Grid, MW	20,963	18,412	33,371	72,746
Wind Capacity, MW	5,191	7,618	30,936	43,745



Fuel Type	Confidential Projects (MW)	Projects Under Full Study (MW)	Projects w/ Interconnect Agreement/Public Letter (MW)	Grand Total (MW)
Gas-CC			3,972	14,133
Gas-CT				547
Total Gas	2,444	8,264	3,972	14,680
Nuclear			5,900	5,900
Coal	850	2,121	2,109	5,080
Wind	30,590	7,219	5,936	43,745
Solar	958	90		1,048
Biomass	58	50	145	253
Other		740	1,300	2,040
Grand Total	34,900	18,484	19,362	72,746



1.4 Publicly Disclosed Generation Interconnection Projects

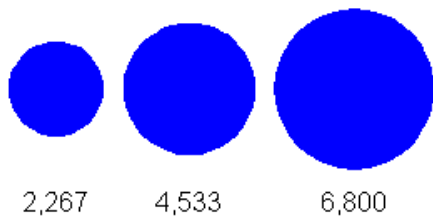
The table below summarizes the publicly disclosed generation projects for the ERCOT region.

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

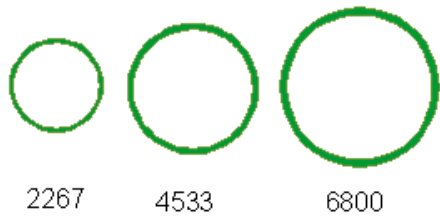
Generation Interconnections as of May 31, 2010								
INR	SiteName	Status	County	Region	COD	Fuel Type	MW For Grid	Change from Last Report
05INR0015c	Gulf Wind 3	PL	Kenedy	South	Sep-10	Wind	400	
09INR0082	Cedro Hill Wind	IA	Webb	South	Sep-10	Wind	150	
05INR0015b	Gulf Wind 2	PL	Kenedy	South	Oct-10	Wind	400	
08INR0033	Lufkin	IA	Angelina	North	Dec-10	Biomass	45	
08INR0012b	Papalote Creek Phase 2	IA	San Patricio	South	Dec-10	Wind	198	
12INR0003	Throckmorton Wind Farm	PL	Throckmorton	West	Dec-10	Wind	400	
08INR0065	Buffalo Gap 4 and 5	PL	Nolan	West	Mar-11	Wind	465	
09INR0029	CFB Power Plant Units 11&12	IA	Calhoun	South	Mar-11	Coal	263	
10INR0010	Jack County 2	IA	Jack	North	Jun-11	Gas-CC	620	
08INR0011	Senate Wind Project	IA	Jack	North	Nov-11	Wind	150	
08INR0038	M Bar Wind	PL	Andrews	West	Dec-11	Wind	194	
09INR0034	Gatesville Wind Farm	PL	Coryell	North	Dec-11	Wind	200	
08INR0025	Pistol Hill Energy Center	PL	Ector	West	Dec-11	Wind	300	
09INR0001	Sandy Creek 1	IA	McLennan	North	Feb-12	Coal	925	
09INR0007	Nacogdoches Project	IA	Nacogdoches	North	Apr-12	Biomass	100	
07INR0004	Pampa Energy Center	PL	Gray	West	May-12	Coal	165	
09INR0024	B&B Panhandle Wind	PL	Carson	West	Jun-12	Wind	1,001	
09INR0037	Scurry County Wind III	PL	Scurry	West	Jun-12	Wind	350	
12INR0004	Fort Concho Wind Farm	PL	Tom Green	West	Jul-12	Wind	400	
06INR0012b	Sherbino Mesa Wind Farm 2	IA	Pecos	West	Jul-12	Wind	150	
09INR0036	McAdoo Energy Center II	PL	Dickens	West	Dec-12	Wind	500	
08INR0018	Gunsight Mountain	IA	Howard	West	Dec-12	Wind	120	
06INR0022c	Penascal Wind Farm 3	IA	Kenedy	South	Dec-12	Wind	202	
06INR0026	Wild Horse Mountain	IA	Howard	West	Dec-12	Wind	120	
06INR0006	Cobisa-Greenville	IA	Hunt	North	May-13	Gas-CC	1,792	
10INR0020a	Panda Temple Power	IA	Bell	North	May-13	Gas-CC	780	New IA
14INR0002	Coletto Creek Unit 2	IA	Goliad	South	Feb-14	Coal	756	New IA
04INR0011c	Cottonwood Wind	IA	Shackelford	West	Jun-14	Wind	100	
04INR0011b	Cedar Elm	IA	Shackelford	West	Jun-14	Wind	136	
12INR0016	Las Brisas Energy Center	IA	Nueces	South	Sep-14	Other	1,300	
10INR0020b	Panda Temple Power	IA	Bell	North	Dec-14	Gas-CC	780	New IA
15INR0002	Comanche Peak 3 and 4	PL	Somervell	North	Jan-15	Nuclear	3,200	
15INR0008	STP 3 and 4	PL	Matagorda	South	Jan-15	Nuclear	2,700	
						TOTAL	18,238	

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

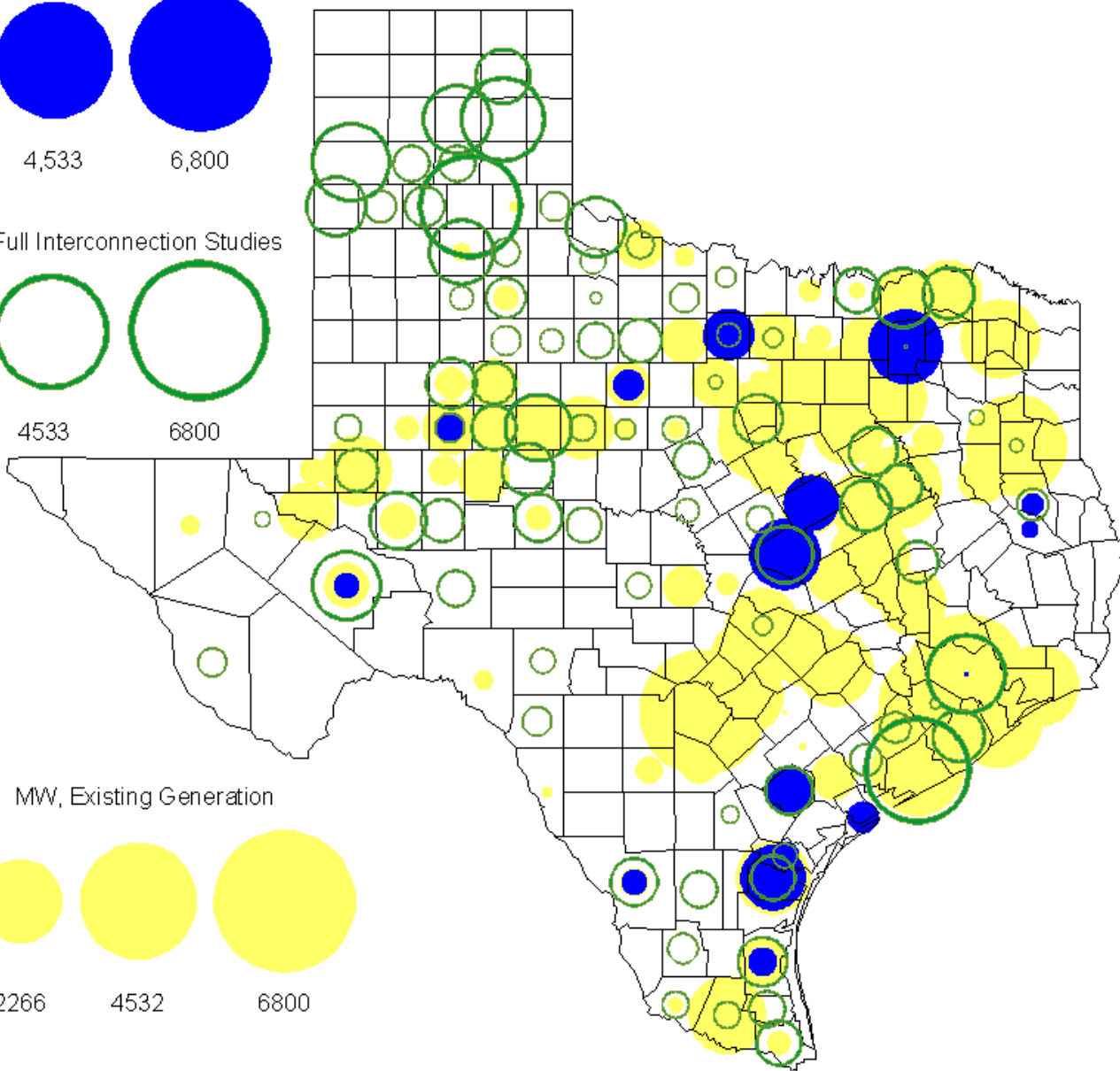
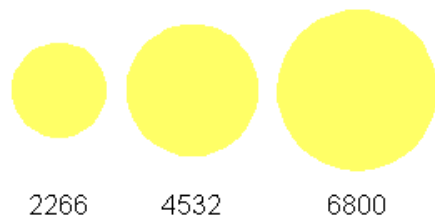
MW under Interconnection Agreements



MW under Full Interconnection Studies



MW, Existing Generation



1.5 Generation Projects Undergoing Full Interconnection Studies (not otherwise public)

INR	County	Capacity	COD	Fuel
08INR0049	Clay	50	TBD	Wind
09INR0061	Kent	258	TBD	Wind
10INR0045	Webb	734	TBD	Wind
10INR0016	Childress	150	TBD	Wind
09INR0070	Reagan	42	TBD	Wind
10INR0079	Nolan	60	TBD	Wind
10INR0029	Hood	810	TBD	Gas
09INR0081	Rusk	18	TBD	Coal
10INR0013	Upton	400	Jul-10	Wind
10INR0057	Taylor	200	Jul-10	Wind
10INR0041	Floyd	135	Oct-10	Wind
10INR0081a	Clay	30.4	Oct-10	Wind
11INR0029	Throckmorton	200	Nov-10	Wind
07INR0015	Foard	180	Dec-10	Wind
10INR0008	Pecos	500	Dec-10	Wind
08INR0061	Hardeman	200	Dec-10	Wind
11INR0012	Duval	400	Dec-10	Wind
10INR0033	Armstrong	399	Dec-10	Wind
09INR0076	Jackson	300	Dec-10	Wind
10INR0056	Borden	249	Dec-10	Wind
10INR0077	Callahan	101	Dec-10	Wind
10INR0082	Travis	30	Dec-10	Solar
11INR0081	Live Oak	72	Mar-11	Wind
11INR0075	Fort Bend	15	Apr-11	Coal
10INR0009	Castro	300	May-11	Wind
11INR0048	Harris	300	May-11	Gas
11INR0060	Tom Green	90	May-11	Solar
11INR0062	Nueces	149	May-11	Wind
11INR0033b	Cameron	200	May-11	Wind
08INR0020	Eastland	200	Jun-11	Wind
10INR0023	Haskell	386	Jun-11	Wind
11INR0054	San Patricio	161	Jun-11	Wind
11INR0065	Nueces	240	Jun-11	Wind
11INR0040	freestone	640	Aug-11	Gas
11INR0039	Starr	201	Sep-11	Wind
07INR0014a	Wilbarger	140	Oct-11	Wind
10INR0062a	Pecos	80	Oct-11	Wind
10INR0021	Grayson	646	Nov-11	Gas
11INR0013	Mills	150	Dec-11	Wind
11INR0043	Coke	300	Dec-11	Wind
11INR0070	Reeves	50	Dec-11	Solar
09INR0048	Jack	150	Dec-11	Wind
12INR0021	Edwards	165	Jan-12	Wind
10INR0018	Madison	550	Mar-12	Gas

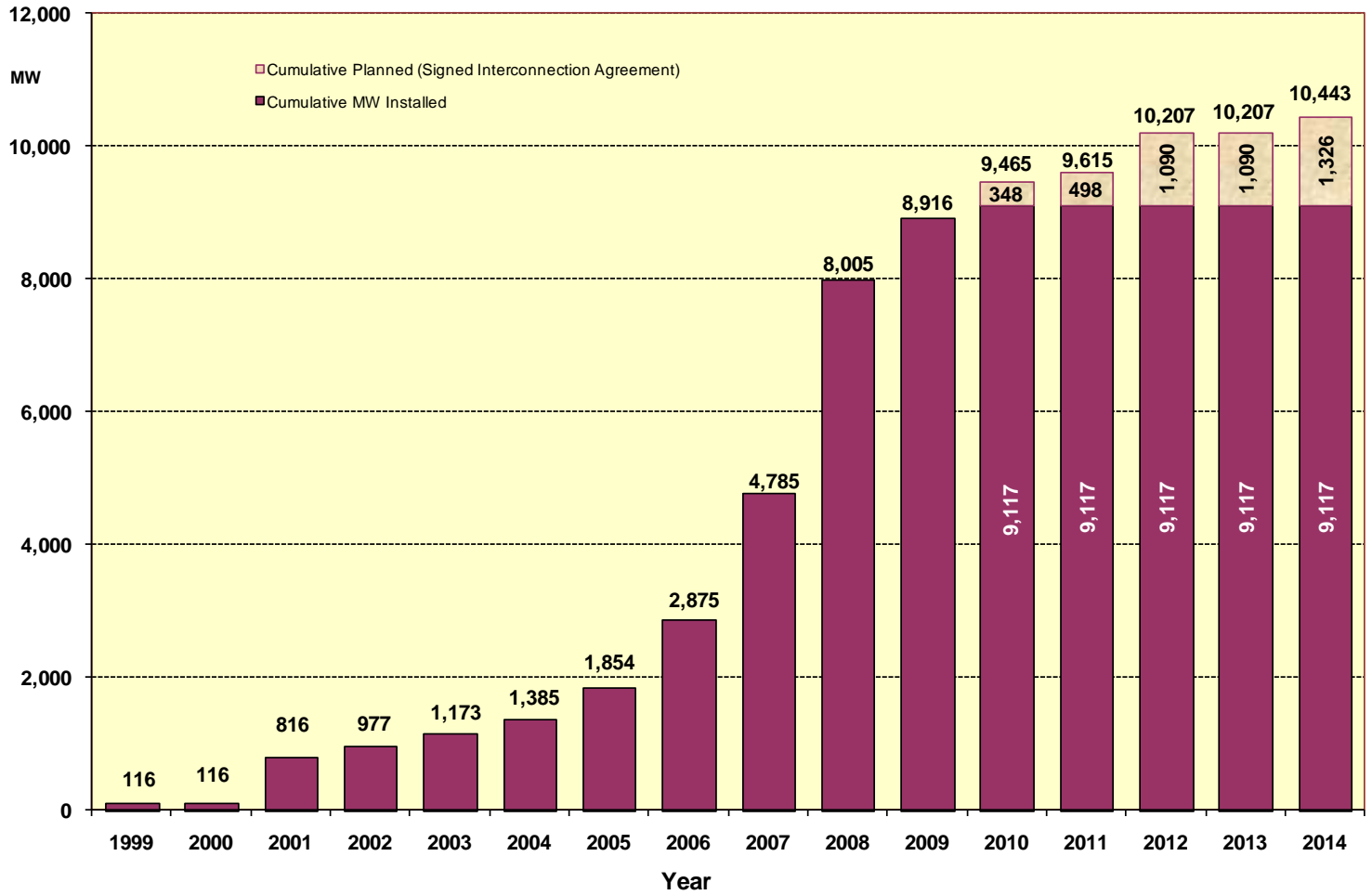
INR	County	Capacity	COD	Fuel
09INR0054	Stonewall	148.5	TBD	Wind
10INR0048	Hardeman	1000	TBD	Wind
10INR0046	Jim Hogg	264	TBD	Wind
09INR0069	Reagan	36	TBD	Wind
10INR0054	Palo Pinto	36	TBD	Wind
10INR0069	Rusk	13	TBD	Coal
10INR0035	Harris	416	TBD	Gas
10INR0012	Nacogdoches	300	Jul-10	Gas
10INR0052a	Knox	21	Jul-10	Wind
10INR0015	Mitchell	350	Oct-10	Wind
09INR0074	Motley	70	Oct-10	Wind
10INR0089	Harris	40	Oct-10	Other
07INR0013	Coke	200	Dec-10	Wind
07INR0035	Tom Green	270	Dec-10	Wind
08INR0062	Archer	249	Dec-10	Wind
10INR0019	Deaf Smith	609	Dec-10	Wind
10INR0032	Navarro	775	Dec-10	Gas
10INR0042	Mason	170	Dec-10	Wind
10INR0051	Brazoria	200	Dec-10	Wind
10INR0060	Willacy	400.5	Dec-10	Wind
10INR0080	Presidio	144	Dec-10	Solar
11INR0050	Crosby	149	Mar-11	Wind
11INR0071	Harris	7	Apr-11	Gas
11INR0086	Travis	60	Apr-11	Solar
11INR0037	Smith	50	May-11	Biomass
11INR0058	Pecos	135	May-11	Solar
11INR0061	Presidio	90	May-11	Solar
11INR0087	Wise	90	May-11	Gas
11INR0033a	Cameron	200	May-11	Wind
09INR0050	Fannin	1200	Jun-11	Gas
11INR0019	Upton	200	Jun-11	Wind
11INR0057	Cameron	165	Jun-11	Wind
11INR0006	Lamar	579	Jul-11	Gas
11INR0008a	Roberts	1000	Sep-11	Wind
11INR0047	Deaf Smith	600	Sep-11	Wind
07INR0014b	Wilbarger	70	Oct-11	Wind
10INR0081b	Clay	19.2	Oct-11	Wind
11INR0005	Upton	500	Dec-11	Wind
11INR0025	Crockett	400	Dec-11	Wind
11INR0067	Cameron	78	Dec-11	Wind
12INR0034	Borden	342	Dec-11	Wind
09INR0075	Kinney	248	Dec-11	Wind
12INR0033	Motley	150	Jan-12	Wind
12INR0042	Deaf Smith	400	Mar-12	Wind

09INR0031	Ector	275	May-12	Gas
11INR0049	Wharton	275	May-12	Gas
12INR0006	Limestone	875	Jun-12	Coal
12INR0002	Briscoe	750	Jul-12	Wind
12INR0026	Randall	400	Oct-12	Wind
12INR0035	Nueces	249	Nov-12	Wind
09INR0025	Concho	180	Dec-12	Wind
08INR0056	Nolan	149	Dec-12	Wind
12INR0022	Hidalgo	200	Dec-12	Wind
10INR0024	Briscoe	2940	Jan-13	Wind
09INR0058	Howard	250	Mar-13	Wind
10INR0062b	Pecos	220	May-13	Wind
09INR0051	Borden	249	Jun-13	Wind
13INR0005	Carson	600	Oct-13	Wind
08INR0022	Floyd	100	Dec-13	Wind
13INR0007	Pecos	200	Dec-13	Wind
13INR0010	Parmer	1200	Dec-13	Wind
08INR0019c	Gray	250	Jan-14	Wind
13INR0006	Gray	750	Jan-14	Wind
14INR0005	Matagorda	1200	Jul-14	Coal
16INR0002	Brazoria	700	Jun-17	Other

12INR0007	Lamar	296	May-12	Gas
08INR0031	Childress	100	Jun-12	Wind
10INR0022	Harris	1380	Jun-12	Gas
08INR0041	Coke	200	Oct-12	Wind
08INR0044	Concho	200	Nov-12	Wind
08INR0042	Coke	200	Dec-12	Wind
08INR0054	Comanche	401	Dec-12	Wind
12INR0005	Floyd	1100	Dec-12	Wind
12INR0029	Swisher	500	Dec-12	Wind
12INR0027	Gray	200	Jan-13	Wind
12INR0018	Gray	500	Apr-13	Wind
09INR0041	Mitchell	300	Jun-13	Wind
13INR0004	Deaf Smith	500	Oct-13	Wind
08INR0023	Floyd	100	Dec-13	Wind
09INR0077	Reagan	500	Dec-13	Wind
09INR0073	Scurry	200	Dec-13	Wind
08INR0019b	Gray	250	Jan-14	Wind
08INR0019a	Gray	250	Jan-14	Wind
14INR0003	Nolan	850	Jun-14	Coal
14INR0001	Pecos	500	Dec-14	Wind

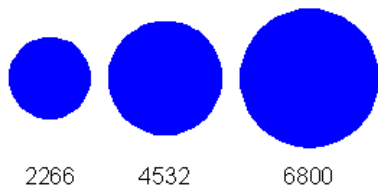
1.6 Wind Generation

Wind Capacity Installed by Year

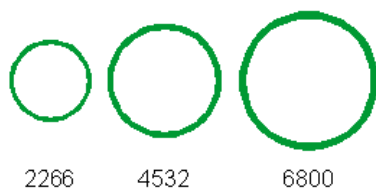


County Location of Installed Capacity and Interconnection Requests (Wind only)

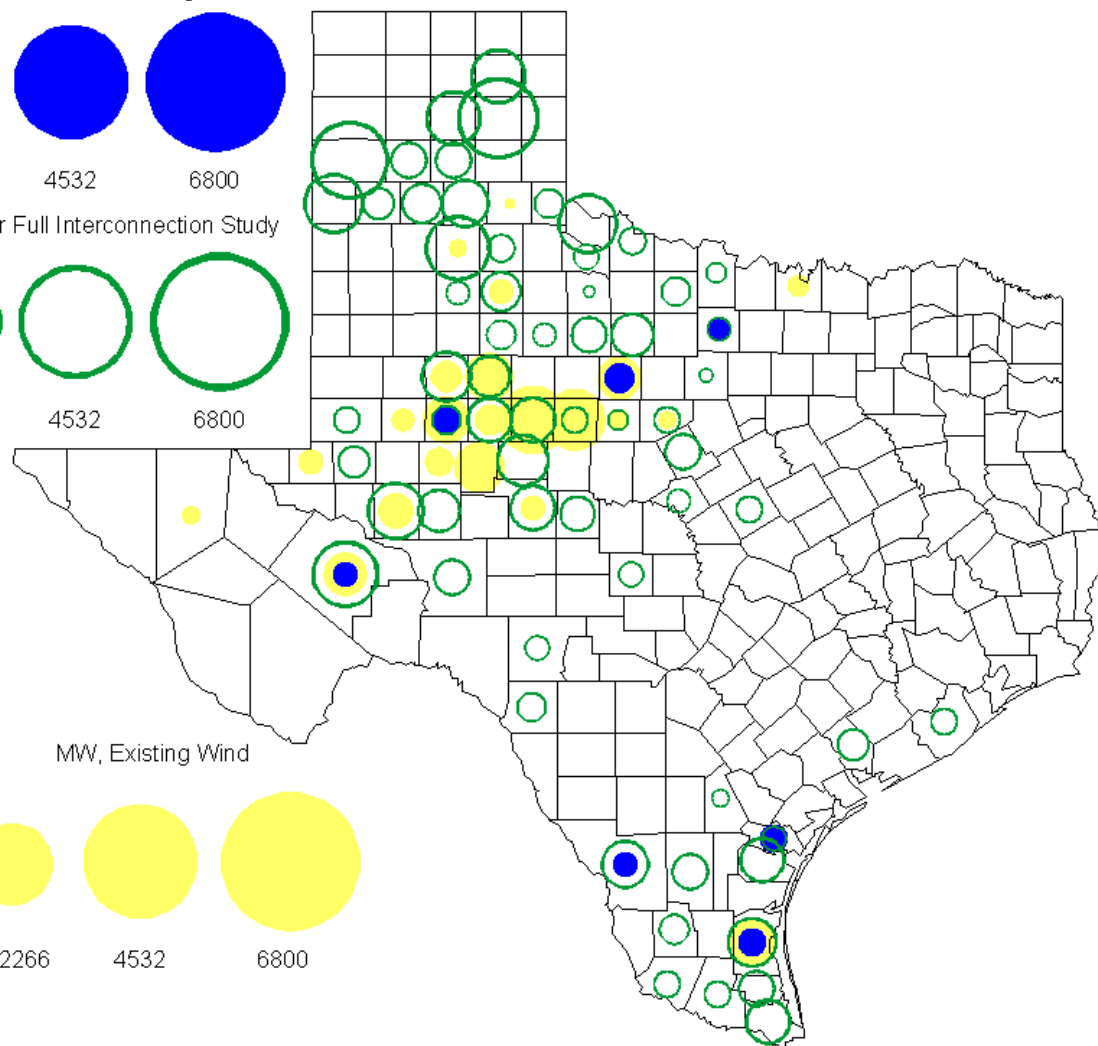
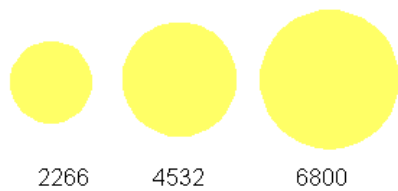
MW, under Interconnection Agreement



MW, under Full Interconnection Study



MW, Existing Wind



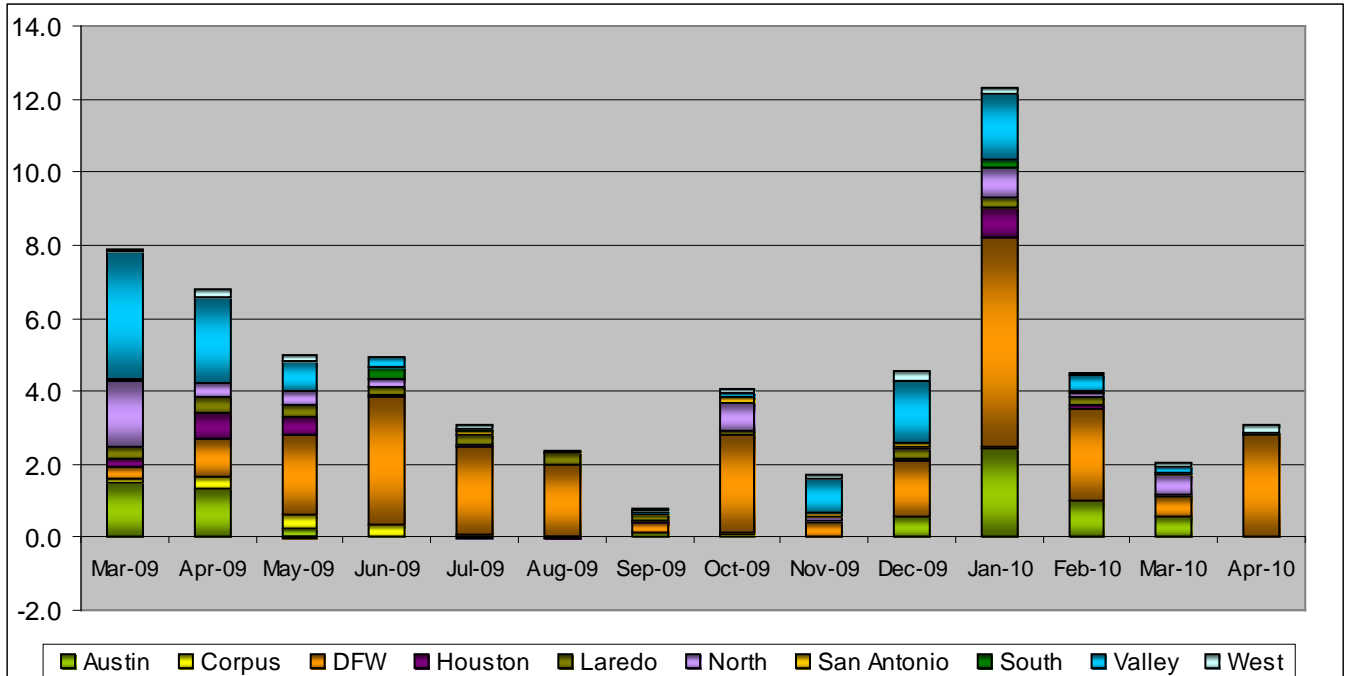
2. Regional Planning Group Project Reviews

- 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.
- 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.
- Centerpoint Energy has submitted a project to construct a new 345 kV double circuit line to allow greater power imports into the Houston area. The project involves expanding the Fayetteville and Zenith substations and constructing a new 345 kV double circuit from Fayetteville to Zenith. The proposal also includes looping the Fayette Power Project to Salem 345 kV circuit into Fayetteville and upgrading the Fayette Power Project to Fayetteville 345 kV double circuit lines. The project is estimated to be complete by September 2014 at a cost of \$222 M. This project is in ERCOT Independent Review.
- Austin Energy has submitted a project to construct a new 345 kV bus with a 345/ 138 kV autotransformer at the Dunlap station. The project also involves rerouting several nearby transmission lines. The estimated cost of the project is \$16.7 M. This project is currently in study mode.
- American Electric Power Service Corporation submitted a project to rebuild the Matador to Paducah 69 kV line at an estimated cost of \$34.0 M. The project is currently in the study mode phase.

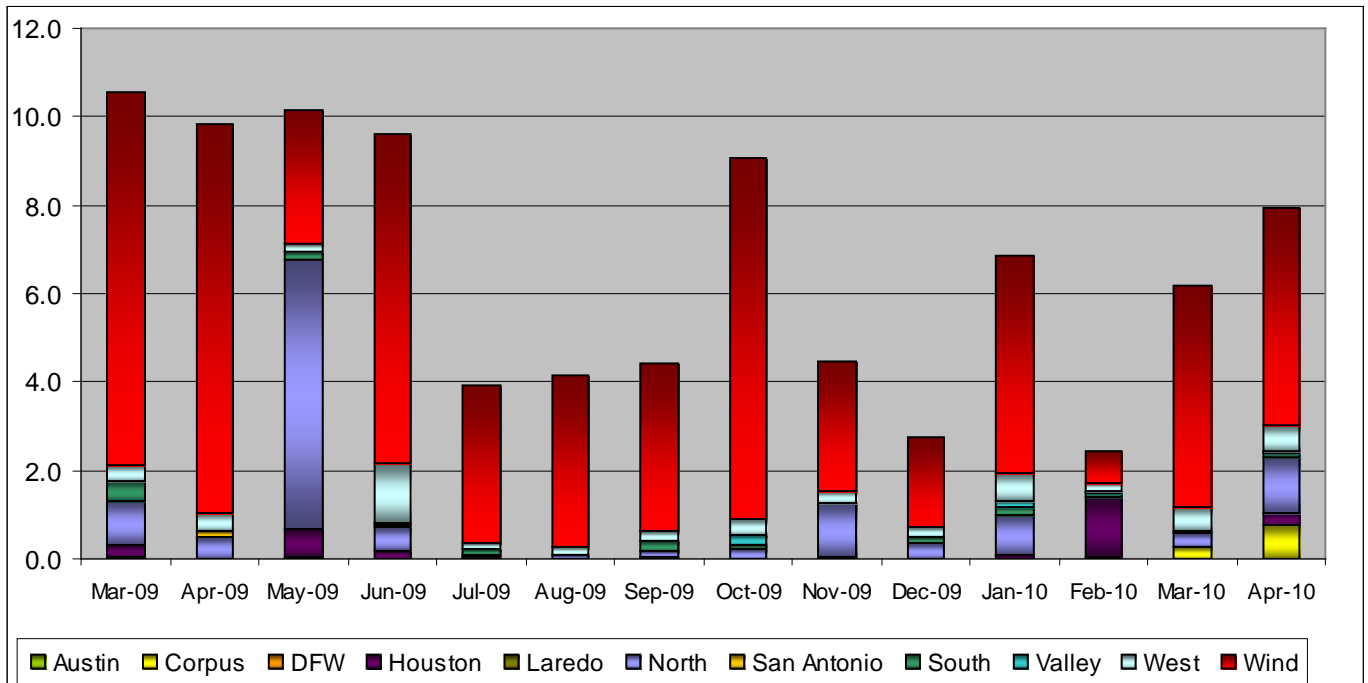
3. Congestion Costs

Dollars shown in graphs are settlement quality.

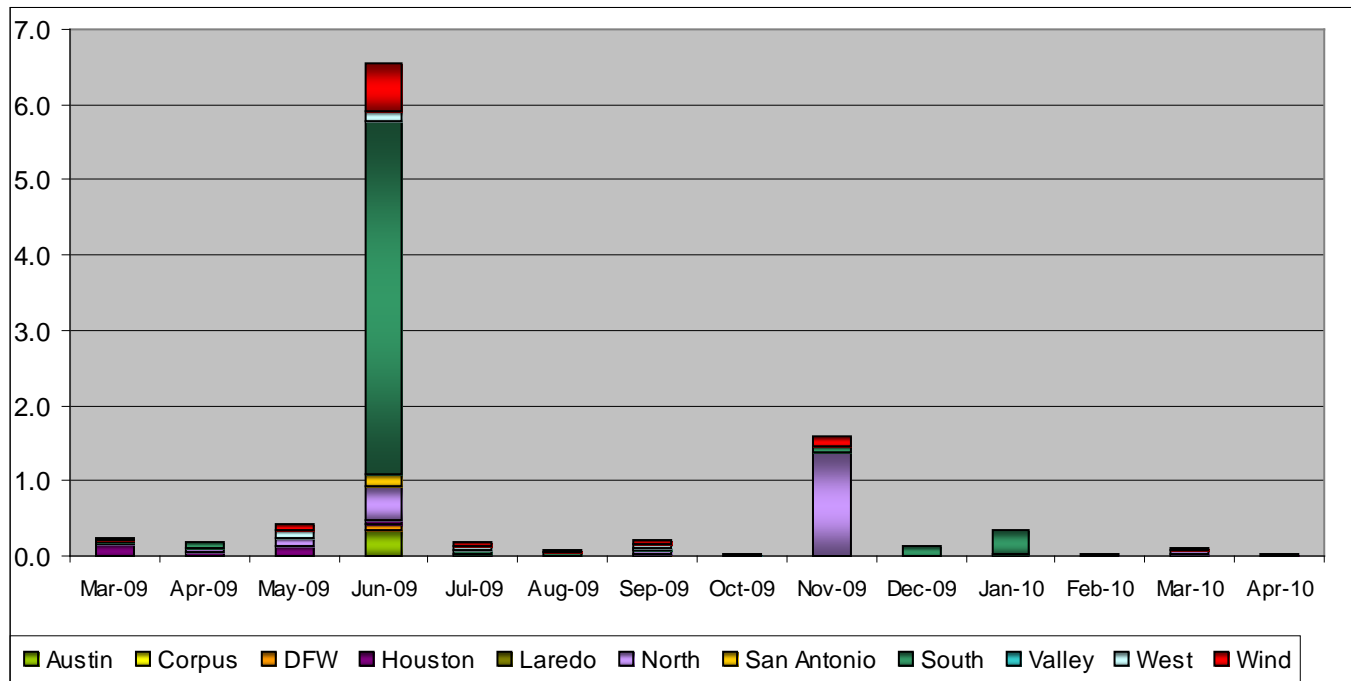
OOMC – last 13 months in million\$



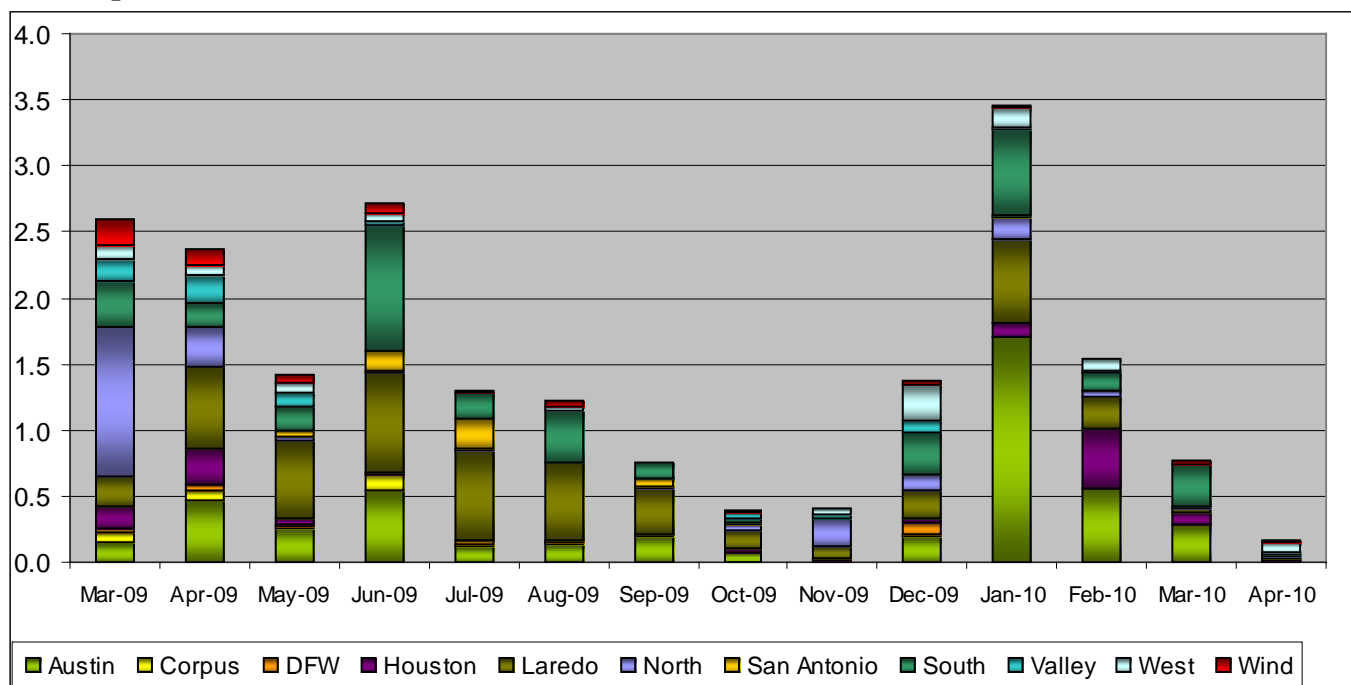
OOM Down – last 13 months in million\$



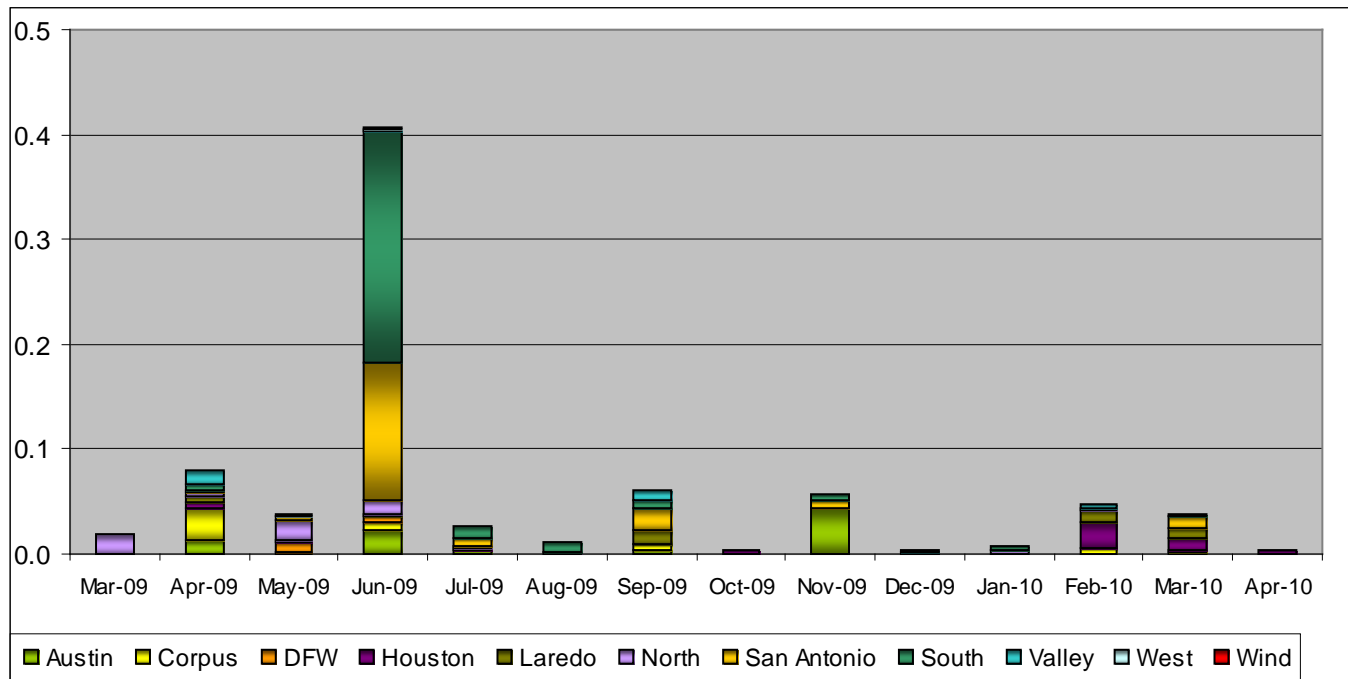
Local Balancing Energy Down – last 13 months in million\$



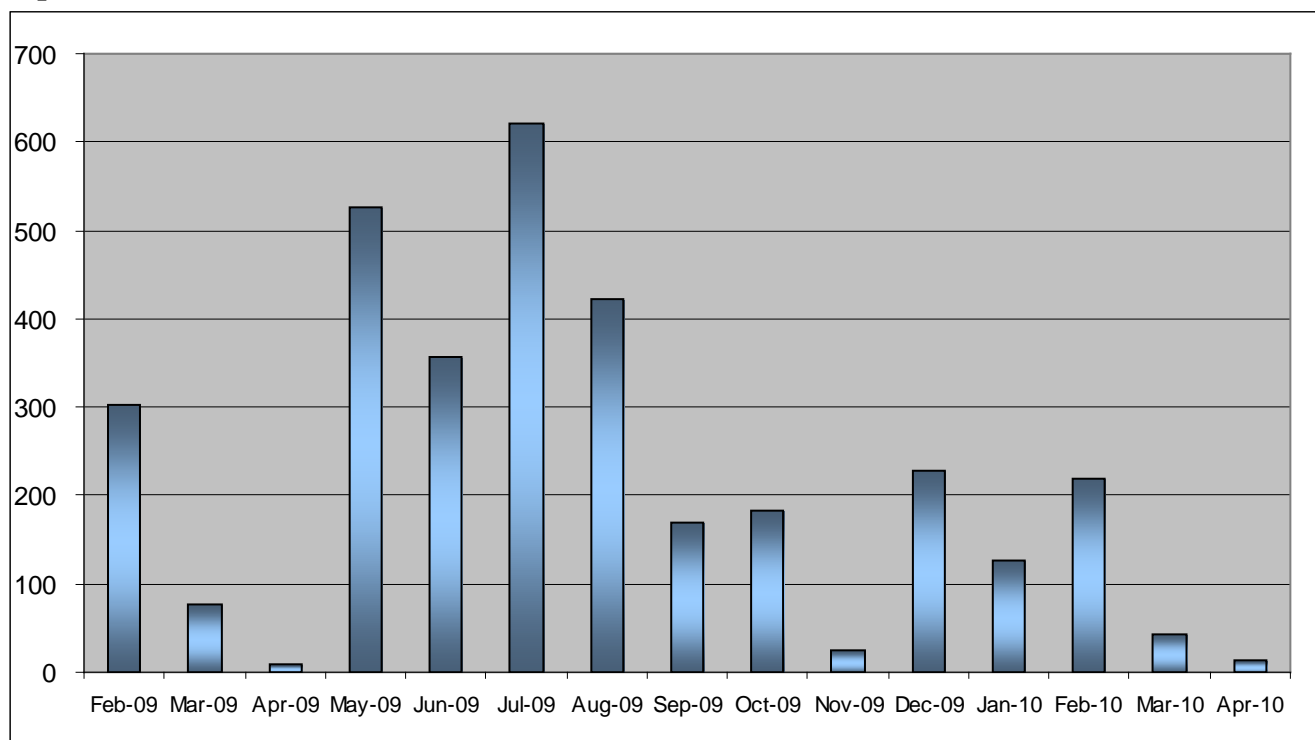
OOM Up – last 13 months in million\$



Local Balancing Energy Up – last 13 months in million\$



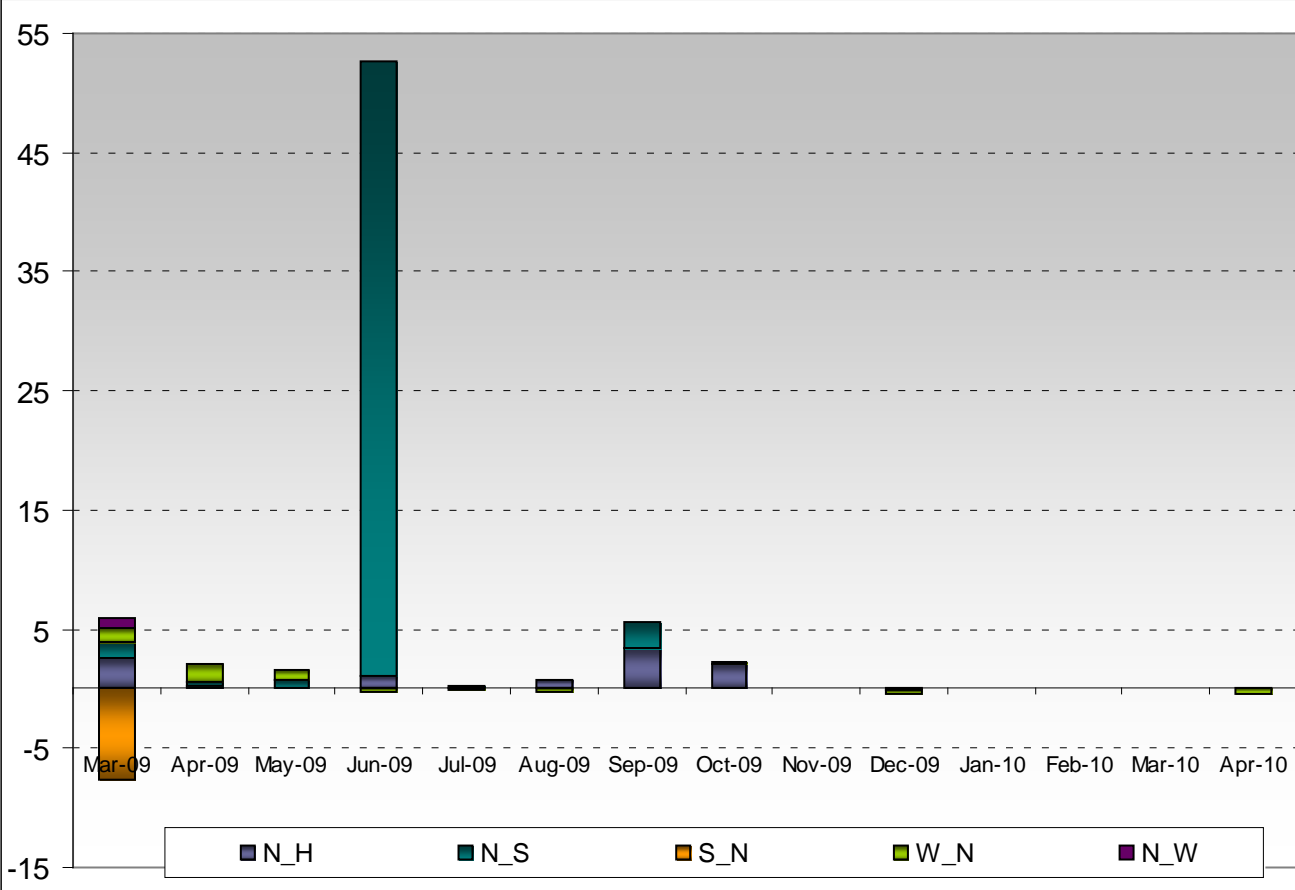
Replacement Reserve – last 13 months in thousand\$



Binding Constraints & Capacity Shortages– May, 2010

Contingency	Binding Element	Estimated Costs	Transmission Project	Clearance
Greens Bayou - Gable & Hardy - Crockett 138kV	Garrott - Midtown 138kV	\$ 3,556,448	Garrott - Midtown - Polk Ckt. 90 11TPIT0072	Outage on Oasis - PH Robinson 345kV circuit
	DFW Reactive	\$ 2,065,562	Renner SVCs [10TPIT0056; 11TPIT0095]	
Bellaire Autotransformer	Bellaire Autotransformer	\$ 1,967,361		Outage on 345/138kV Bellaire AT1
PH Robinson Autotransformer #2	PH Robinson Autotransformer #1	\$ 1,303,705		Outage on PH Robinson 345kV "F" bus including the 345/138kV autotransformer AT4_H
Graham SES - Parker Switch 345kV	Flat Creek - Leon Switch 138kV	\$ 1,112,532		Outage on Jacksboro Switching to Bowman Switch 345KV
Graham SES - Parker Switch 345kV	Barton Switch - Oran 138kV	\$ 596,130		Outage on Jacksboro Switching to Bowman Switch 345KV
	RPRS	\$ 220,824		
Fisher Road Switch - Oklaunion - Bowman 345kV	Abilene Mulberry - Long Creek 345kV	\$ 184,804		
Planned Outages – multiple		\$ 155,481		
Coletto Creek - Victoria #2 138kV	Coletto Creek - Victoria #1 138kV	\$ 153,126		

Inter-zonal Congestion



4. Other Notable Activities

Work on the 2010 Five-Year Transmission Plan is underway. The initial set of projects needed to reliably serve load in 2015 has been identified and comments have been received. The analysis is currently focused on finding reliability projects for the years 2011-2014. Work on the economic analysis portion of the study is expected to begin soon.

Nodal Network Model Management System Topology Processor work continues with bi-weekly meetings/calls with SSWG and weekly ERCOT topology processor output. Testing is under way on Topology Processor enhancements which include radial line reduction and multi-section line creation that was received in late May.