

**Final
Seasonal Assessment of Resource Adequacy for the ERCOT Region
Fall 2014**

SUMMARY

The ERCOT region is expected to have sufficient installed generating capacity to serve forecasted peak demands with a historically typical amount of generation outages. Based on the results of this study, even an extreme higher-than-normal number of forced generation outages occurring during a period of unusually high demand would not be expected to result in insufficient resources available to serve those demands.

Wind generation resources continue to count at 8.7 percent of nameplate capacity in this assessment. ERCOT stakeholder committees are considering alternative methods of estimating the capacity availability of wind, such as using historical operational availability. Capacity ratings for other generation resources are higher in the fall due to the effects of moderate ambient temperatures.

For the fall season, no changes in unit capacity are expected due to drought conditions. ERCOT continues to monitor the persistent drought conditions throughout Texas.

2014 Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)

Fall - Final

Release Date: September 2, 2014

Forecasted Capacity and Demand

Operational Resources (excluding wind), MW	65,799	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Private Use Network Capacity Contribution, MW	4,668	Average maximum capability of the top 20 hours for the past three years
Effective Load-Carrying Capability (ELCC) of Wind Resources, MW	1,001	Based on 8.7% of installed capacity (Effective Load Carrying Capability) of wind per ERCOT Nodal Protocols Section 3.2.6.2.2
RMR Resources to be under Contract, MW	0	No RMR Resources currently under contract.
Non-Synchronous Ties Capacity Contribution, MW	643	Average maximum capability of the top 20 hours for the past three years
Switchable Capacity Total, MW	3,702	Installed capacity of units that can switch to other Regions
less Switchable Capacity Unavailable to ERCOT, MW	(500)	Based on survey responses of Switchable Resource owners
Mothball Resources, MW	0	Based on Probability of Return responses of Mothball Resource owners
Planned Resources (not wind) with signed IA and Air Permit, MW	75	Based on in-service dates provided by developers of planned resources
ELCC of Planned Wind with signed IA, MW	6	Based on in-service dates provided by developers of planned resources; based on 8.7% of projected capacity
[a] Total Resources, MW	75,394	
[b] Peak Demand, MW	48,653	Fall peak forecast based on normal weather conditions for 2002 - 2013
[c] Reserve Capacity [a - b], MW	26,741	

Range of Potential Risks

	Forecasted Season Peak Load	Extreme Load / Expected Gen Outages	Extreme Load / Extreme Generation Outages	
Load Adjustment for September - October Peak	-	8,434	8,434	Based on a normal September-like peak occurring in early October
Typical Maintenance Outages	9,081	9,081	9,081	Based on historical average of planned outages for October through November weekdays (August 2010 - August 2014).
Typical Forced Outages	3,402	3,402	3,402	Based on historical average of forced outages for October through November weekdays (August 2010 - August 2014).
90th Percentile Forced Outages	-	-	3,245	
[d] Total Uses of Reserve Capacity	12,483	20,917	24,162	
[e] Capacity Available for Operating Reserves [c - d], MW	14,258	5,824	2,579	
Less than 2,300 MW indicates risk of EEA1				

<u>Common Name</u>	<u>GINR_NUM</u>	<u>UNIT CODE</u>	<u>COUNTY</u>	<u>FUEL</u>	<u>ZONE</u>	<u>START DATE</u>	<u>FALL SUSTAINED MW</u>
Operational Resources							
COMANCHE PEAK U1		CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	8/13/90	1222.0
COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	8/3/93	1209.0
SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	SOUTH	3/22/88	1318.0
SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	SOUTH	3/28/89	1325.0
BIG BROWN U1		BBSSES_UNIT1	FREESTONE	COAL	NORTH	12/23/71	606.0
BIG BROWN U2		BBSSES_UNIT2	FREESTONE	COAL	NORTH	12/6/72	602.0
COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1/1/80	660.0
FAYETTE POWER PROJECT U1		FPPYD1_FPP_G1	FAYETTE	COAL	SOUTH	6/16/79	603.0
FAYETTE POWER PROJECT U2		FPPYD1_FPP_G2	FAYETTE	COAL	SOUTH	5/20/80	603.0
FAYETTE POWER PROJECT U3		FPPYD2_FPP_G3	FAYETTE	COAL	SOUTH	4/29/88	444.0
GIBBONS CREEK U1		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	3/15/83	470.0
J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1/1/92	562.0
J K SPRUCE U2	09INR0002	CALAVERS_JKS2	BEXAR	COAL	SOUTH	5/28/10	775.0
J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1/1/77	430.0
J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1/1/78	420.0
LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	12/1/85	831.0
LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	12/1/86	858.0
MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	5/16/77	815.0
MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	5/23/78	820.0
MONTICELLO U3		MNSES_UNIT3	TITUS	COAL	NORTH	8/1/78	795.0
OAK GROVE SES U1	09INR0006a	OGSES_UNIT1A	ROBERTSON	COAL	NORTH	4/14/10	840.0
OAK GROVE SES U2	09INR0006b	OGSES_UNIT2	ROBERTSON	COAL	NORTH	4/19/11	825.0
OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	12/24/86	650.0
SAN MIGUEL U1		SANMIGL_SANMIGG1	ATASCOSA	COAL	SOUTH	2/7/82	391.0
SANDOW U5	08INR0003	SD5SES_UNIT5	MILAM	COAL	SOUTH	1/6/10	570.0
SANDY CREEK U1		SCSES_UNIT1	MCLENNAN	COAL	NORTH	7/17/13	970.0
TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	6/8/90	158.0
TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	5/31/91	158.0
W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	12/27/77	659.0
W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	12/27/78	658.0
W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	6/2/80	577.0
W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	12/1/82	610.0
A VON ROSENBERG 1 CTG 1	00INR0017	BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	6/2/00	155.0
A VON ROSENBERG 1 CTG 2	00INR0017	BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	6/2/00	155.0
A VON ROSENBERG 1 STG	00INR0017	BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	6/2/00	170.0
B M DAVIS CTG 3	09INR0038	B_DAVIS_B_DAVIG3	NUECES	GAS	SOUTH	3/26/10	161.0
B M DAVIS CTG 4	09INR0038	B_DAVIS_B_DAVIG4	NUECES	GAS	SOUTH	3/26/10	161.0
B M DAVIS STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	SOUTH	3/1/76	322.0
BASTROP ENERGY CENTER CTG 1	01INR0021	BASTEN_GTG1100	BASTROP	GAS	SOUTH	3/13/02	157.0
BASTROP ENERGY CENTER CTG 2	01INR0021	BASTEN_GTG2100	BASTROP	GAS	SOUTH	3/13/02	157.0
BASTROP ENERGY CENTER STG	01INR0021	BASTEN_ST0100	BASTROP	GAS	SOUTH	3/13/02	236.0
BOSQUE COUNTY PEAKING CTG 1	00INR0018	BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	6/1/00	157.2
BOSQUE COUNTY PEAKING CTG 2	00INR0018	BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	6/1/00	157.2
BOSQUE COUNTY PEAKING CTG 3	00INR0018	BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	6/1/01	159.5
BOSQUE COUNTY PEAKING STG 4	00INR0028	BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	6/1/01	83.3
BOSQUE COUNTY PEAKING STG 5	08INR0046	BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	3/1/09	196.6
BRAZOS VALLEY CTG 1	01INR0031	BVE_UNIT1	FORT BEND	GAS	HOUSTON	1/21/03	168.0

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BRAZOS VALLEY CTG 2	01INR0031	BVE_UNIT2	FORT BEND	GAS	HOUSTON	1/21/03	168.0
BRAZOS VALLEY STG 3	01INR0031	BVE_UNIT3	FORT BEND	GAS	HOUSTON	1/21/03	270.0
CALENERGY (FALCON SEABOARD) CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	7/20/87	77.0
CALENERGY (FALCON SEABOARD) CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	7/21/87	77.0
CALENERGY (FALCON SEABOARD) STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	2/18/88	71.0
CEDAR BAYOU CTG 4	08INR0035	CBY4_CT41	CHAMBERS	GAS	HOUSTON	3/9/09	168.0
CEDAR BAYOU CTG 5	08INR0035	CBY4_CT42	CHAMBERS	GAS	HOUSTON	3/9/09	168.0
CEDAR BAYOU STG 6	08INR0035	CBY4_ST04	CHAMBERS	GAS	HOUSTON	3/9/09	182.0
COLORADO BEND ENERGY CENTER CTG 1	06INR0035	CBEC_GT1	WHARTON	GAS	HOUSTON	4/4/07	84.0
COLORADO BEND ENERGY CENTER CTG 2	06INR0035	CBEC_GT2	WHARTON	GAS	HOUSTON	4/4/07	76.0
COLORADO BEND ENERGY CENTER CTG 3	06INR0035	CBEC_GT3	WHARTON	GAS	HOUSTON	6/1/08	75.0
COLORADO BEND ENERGY CENTER CTG 4	06INR0035	CBEC_GT4	WHARTON	GAS	HOUSTON	6/1/08	75.0
COLORADO BEND ENERGY CENTER STG 1	06INR0035	CBEC_STG1	WHARTON	GAS	HOUSTON	4/4/07	103.0
COLORADO BEND ENERGY CENTER STG 2	06INR0035	CBEC_STG2	WHARTON	GAS	HOUSTON	6/1/08	108.0
CVC CHANNELVIEW CTG 1	02INR0004	CVC_CVC_G1	HARRIS	GAS	HOUSTON	7/1/08	157.8
CVC CHANNELVIEW CTG 2	02INR0004	CVC_CVC_G2	HARRIS	GAS	HOUSTON	7/1/08	166.5
CVC CHANNELVIEW CTG 3	02INR0004	CVC_CVC_G3	HARRIS	GAS	HOUSTON	7/1/08	165.8
CVC CHANNELVIEW STG 5	02INR0004	CVC_CVC_G5	HARRIS	GAS	HOUSTON	7/1/08	132.9
DEER PARK ENERGY CENTER CTG 1	02INR0020	DDPEC_GT1	HARRIS	GAS	HOUSTON	11/10/02	194.0
DEER PARK ENERGY CENTER CTG 2	02INR0020	DDPEC_GT2	HARRIS	GAS	HOUSTON	11/10/02	206.0
DEER PARK ENERGY CENTER CTG 3	02INR0020	DDPEC_GT3	HARRIS	GAS	HOUSTON	11/10/02	194.0
DEER PARK ENERGY CENTER CTG 4	02INR0020	DDPEC_GT4	HARRIS	GAS	HOUSTON	11/10/02	206.0
DEER PARK ENERGY CENTER STG	02INR0020	DDPEC_ST1	HARRIS	GAS	HOUSTON	11/10/02	290.0
DEER PARK ENERGY CENTER CTG 6	14INR0015	DDPEC_GT6	HARRIS	GAS	HOUSTON	6/11/14	179.0
ENNIS POWER STATION CTG 2	01INR0008	ETCCS_CT1	ELLIS	GAS	NORTH	1/1/02	231.0
ENNIS POWER STATION STG 1	01INR0008	ETCCS_UNIT1	ELLIS	GAS	NORTH	1/1/02	127.0
FERGUSON REPLACEMENT CTG1	13INR0021	FERGCC_FERGST1	LLANO	GAS	SOUTH	6/30/14	175.9
FERGUSON REPLACEMENT CTG2	13INR0021	FERGCC_FERGST2	LLANO	GAS	SOUTH	6/30/14	175.9
FERGUSON REPLACEMENT STG	13INR0021	FERGCC_FERGST1	LLANO	GAS	SOUTH	6/30/14	196.9
FORNEY ENERGY CENTER CTG 11	01INR0007	FRNYPP_GT11	KAUFMAN	GAS	NORTH	2/1/03	176.8
FORNEY ENERGY CENTER CTG 12	01INR0007	FRNYPP_GT12	KAUFMAN	GAS	NORTH	2/1/03	176.8
FORNEY ENERGY CENTER CTG 13	01INR0007	FRNYPP_GT13	KAUFMAN	GAS	NORTH	2/1/03	176.8
FORNEY ENERGY CENTER CTG 21	01INR0007	FRNYPP_GT21	KAUFMAN	GAS	NORTH	2/1/03	176.8
FORNEY ENERGY CENTER CTG 22	01INR0007	FRNYPP_GT22	KAUFMAN	GAS	NORTH	2/1/03	176.8
FORNEY ENERGY CENTER CTG 23	01INR0007	FRNYPP_GT23	KAUFMAN	GAS	NORTH	2/1/03	176.8
FORNEY ENERGY CENTER STG 10	01INR0007	FRNYPP_ST10	KAUFMAN	GAS	NORTH	2/1/03	401.2
FORNEY ENERGY CENTER STG 20	01INR0007	FRNYPP_ST20	KAUFMAN	GAS	NORTH	2/1/03	401.2
FREESTONE ENERGY CENTER CTG 1	01INR0009	FREC_GT1	FREESTONE	GAS	NORTH	6/1/02	155.2
FREESTONE ENERGY CENTER CTG 2	01INR0009	FREC_GT2	FREESTONE	GAS	NORTH	6/1/02	155.2
FREESTONE ENERGY CENTER STG 3	01INR0009	FREC_ST3	FREESTONE	GAS	NORTH	6/1/02	177.6
FREESTONE ENERGY CENTER CTG 4	01INR0009	FREC_GT4	FREESTONE	GAS	NORTH	4/1/02	155.4
FREESTONE ENERGY CENTER CTG 5	01INR0009	FREC_GT5	FREESTONE	GAS	NORTH	4/1/02	155.4
FREESTONE ENERGY CENTER STG 6	01INR0009	FREC_ST6	FREESTONE	GAS	NORTH	4/1/02	176.5
GUADALUPE GEN STN CTG 1	01INR0004	GUADG_GAS1	GUADALUPE	GAS	SOUTH	12/1/00	158.0
GUADALUPE GEN STN CTG 2	01INR0004	GUADG_GAS2	GUADALUPE	GAS	SOUTH	12/1/00	158.0
GUADALUPE GEN STN CTG 3	01INR0004	GUADG_GAS3	GUADALUPE	GAS	SOUTH	12/1/00	158.0
GUADALUPE GEN STN CTG 4	01INR0004	GUADG_GAS4	GUADALUPE	GAS	SOUTH	12/1/00	158.0
GUADALUPE GEN STN STG 5	01INR0004	GUADG_STM5	GUADALUPE	GAS	SOUTH	12/1/00	200.0

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GUADALUPE GEN STN STG 6	01INR0004	GUADG_STM6	GUADALUPE	GAS	SOUTH	12/1/00	200.0
HAYS ENERGY FACILITY CSG 1	01INR0003	HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	5/28/02	220.0
HAYS ENERGY FACILITY CSG 2	01INR0003	HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	4/19/02	220.0
HAYS ENERGY FACILITY CSG 3	01INR0003	HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	8/16/02	225.0
HAYS ENERGY FACILITY CSG 4	01INR0003	HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	8/15/02	225.0
HIDALGO CTG 1	00INR0006	DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	1/1/00	145.0
HIDALGO CTG 2	00INR0006	DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	1/1/00	145.0
HIDALGO STG	00INR0006	DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	1/1/00	173.0
JACK COUNTY GEN FACILITY CTG 1	05INR0010	JACKCNTY_CT1	JACK	GAS	NORTH	7/1/05	150.0
JACK COUNTY GEN FACILITY CTG 2	05INR0010	JACKCNTY_CT2	JACK	GAS	NORTH	7/1/05	150.0
JACK COUNTY GEN FACILITY STG 1	05INR0010	JACKCNTY_STG	JACK	GAS	NORTH	7/1/05	285.0
JACK COUNTY GEN FACILITY CTG 3	10INR0010	JCKCNTY2_CT3	JACK	GAS	NORTH	8/5/11	150.0
JACK COUNTY GEN FACILITY CTG 4	10INR0010	JCKCNTY2_CT4	JACK	GAS	NORTH	8/5/11	150.0
JACK COUNTY GEN FACILITY STG 2	10INR0010	JCKCNTY2_ST2	JACK	GAS	NORTH	8/5/11	285.0
JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1/2/97	163.0
JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1/2/97	106.0
LAMAR POWER PROJECT CTG 11	00INR0008	LPCCS_CT11	LAMAR	GAS	NORTH	7/4/00	161.5
LAMAR POWER PROJECT CTG 12	00INR0008	LPCCS_CT12	LAMAR	GAS	NORTH	7/4/00	161.5
LAMAR POWER PROJECT CTG 21	00INR0008	LPCCS_CT21	LAMAR	GAS	NORTH	7/4/00	161.5
LAMAR POWER PROJECT CTG 22	00INR0008	LPCCS_CT22	LAMAR	GAS	NORTH	7/4/00	161.5
LAMAR POWER PROJECT STG 1	00INR0008	LPCCS_UNIT1	LAMAR	GAS	NORTH	7/4/00	195.0
LAMAR POWER PROJECT STG 2	00INR0008	LPCCS_UNIT2	LAMAR	GAS	NORTH	7/4/00	195.0
LOST PINES CTG 1	02INR0005	LOSTPL_LOSTPGT1	BASTROP	GAS	SOUTH	5/27/01	178.0
LOST PINES CTG 2	02INR0005	LOSTPL_LOSTPGT2	BASTROP	GAS	SOUTH	5/27/01	172.0
LOST PINES STG	02INR0005	LOSTPL_LOSTPST1	BASTROP	GAS	SOUTH	5/27/01	188.0
MAGIC VALLEY CTG 1	00INR0009	NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	7/11/01	212.5
MAGIC VALLEY CTG 2	00INR0009	NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	7/11/01	212.5
MAGIC VALLEY STG	00INR0009	NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	7/11/01	254.9
MIDLOTHIAN CS 1	00INR0012	MDANP_CT1	ELLIS	GAS	NORTH	3/18/01	235.0
MIDLOTHIAN CS 2	00INR0012	MDANP_CT2	ELLIS	GAS	NORTH	3/15/01	235.0
MIDLOTHIAN CS 3	00INR0012	MDANP_CT3	ELLIS	GAS	NORTH	1/22/01	235.0
MIDLOTHIAN CS 4	00INR0012	MDANP_CT4	ELLIS	GAS	NORTH	2/8/01	235.0
MIDLOTHIAN CS 5	02INR0008	MDANP_CT5	ELLIS	GAS	NORTH	6/28/02	252.0
MIDLOTHIAN CS 6	02INR0008	MDANP_CT6	ELLIS	GAS	NORTH	6/7/02	252.0
NUECES BAY CTG 8	09INR0039	NUECES_B_NUECESG8	NUECES	GAS	SOUTH	3/20/10	161.0
NUECES BAY CTG 9	09INR0039	NUECES_B_NUECESG9	NUECES	GAS	SOUTH	3/20/10	161.0
NUECES BAY STG 7		NUECES_B_NUECESG7	NUECES	GAS	SOUTH	1/1/72	322.0
ODESSA-ECTOR GEN STN CTG 11	01INR0026	OECCS_CT11	ECTOR	GAS	WEST	6/1/01	156.4
ODESSA-ECTOR GEN STN CTG 12	01INR0026	OECCS_CT12	ECTOR	GAS	WEST	6/1/01	145.4
ODESSA-ECTOR GEN STN CTG 21	01INR0026	OECCS_CT21	ECTOR	GAS	WEST	6/1/01	149.9
ODESSA-ECTOR GEN STN CTG 22	01INR0026	OECCS_CT22	ECTOR	GAS	WEST	6/1/01	147.5
ODESSA-ECTOR GEN STN STG 1	01INR0026	OECCS_UNIT1	ECTOR	GAS	WEST	6/1/01	216.0
ODESSA-ECTOR GEN STN STG 2	01INR0026	OECCS_UNIT2	ECTOR	GAS	WEST	6/1/01	216.0
PANDA SHERMAN CTG1	10INR0021	PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	8/1/14	202.0
PANDA SHERMAN CTG2	10INR0021	PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	8/1/14	202.0
PANDA SHERMAN STG	10INR0021	PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	8/1/14	336.0
PANDA TEMPLE CTG1	10INR0020a	PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	8/1/14	218.5
PANDA TEMPLE CTG2	10INR0020a	PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	8/1/14	218.5

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PANDA TEMPLE STG	10INR0020a	PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	8/1/14	353.1
PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	6/1/89	86.0
PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	6/1/89	86.0
PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	2/1/90	87.0
PASGEN CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	6/2/00	168.0
PASGEN CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	6/2/00	168.0
PASGEN STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	6/2/00	168.0
QUAIL RUN ENERGY CTG 1	06INR0036	QALSW_GT2	ECTOR	GAS	WEST	4/12/07	81.0
QUAIL RUN ENERGY CTG 2	06INR0036	QALSW_GT3	ECTOR	GAS	WEST	5/3/08	80.0
QUAIL RUN ENERGY CTG 3	06INR0036	QALSW_STG1	ECTOR	GAS	WEST	4/12/07	98.0
QUAIL RUN ENERGY CTG 4	06INR0036	QALSW_STG2	ECTOR	GAS	WEST	5/3/08	98.0
QUAIL RUN ENERGY STG 1	06INR0036	QALSW_GT1	ECTOR	GAS	WEST	4/12/07	81.0
QUAIL RUN ENERGY STG 2	06INR0036	QALSW_GT4	ECTOR	GAS	WEST	5/3/08	80.0
SAM RAYBURN CTG 7	03INR0014	RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	6/24/03	50.0
RIO NOGALES CTG 1	02INR0001	RIONOG_CT1	GUADALUPE	GAS	SOUTH	6/1/02	162.0
RIO NOGALES CTG 2	02INR0001	RIONOG_CT2	GUADALUPE	GAS	SOUTH	6/1/02	162.0
RIO NOGALES CTG 3	02INR0001	RIONOG_CT3	GUADALUPE	GAS	SOUTH	6/1/02	162.0
RIO NOGALES STG 4	02INR0001	RIONOG_ST1	GUADALUPE	GAS	SOUTH	6/1/02	323.0
SAM RAYBURN CTG 8	03INR0014	RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	6/26/03	51.0
SAM RAYBURN CTG 9	03INR0014	RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	6/26/03	50.0
SAM RAYBURN STG 10	03INR0014	RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	6/26/03	40.0
SANDHILL ENERGY CENTER CTG 5A	03INR0033	SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	9/1/04	161.0
SANDHILL ENERGY CENTER STG 5C	03INR0033	SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	9/1/04	150.0
SILAS RAY STG 6		SILASRAY_SILAS_6	CAMERON	GAS	SOUTH	3/2/62	20.0
SILAS RAY CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	SOUTH	1/1/96	38.0
T H WHARTON CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	7/31/72	57.0
T H WHARTON CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	7/31/72	57.0
T H WHARTON CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	7/31/72	57.0
T H WHARTON CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	7/31/72	57.0
T H WHARTON STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	8/16/74	104.0
T H WHARTON CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	7/31/72	57.0
T H WHARTON CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	7/31/72	57.0
T H WHARTON CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	8/16/74	57.0
T H WHARTON CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	8/16/74	57.0
T H WHARTON STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	8/16/74	104.0
TEXAS CITY CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	1/1/00	99.1
TEXAS CITY CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	1/1/00	99.1
TEXAS CITY CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	1/1/00	99.1
TEXAS CITY STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	1/1/00	131.5
VICTORIA POWER STATION CTG 6	08INR0050	VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	10/15/09	160.0
VICTORIA POWER STATION STG 5	08INR0050	VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	6/1/63	125.0
WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	6/19/87	20.0
WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	6/19/87	20.0
WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	6/19/87	20.0
WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	6/19/87	17.0
WISE-TRACTEBEL POWER CTG 1	02INR0009	WCPP_CT1	WISE	GAS	NORTH	1/3/04	275.0
WISE-TRACTEBEL POWER CTG 2	02INR0009	WCPP_CT2	WISE	GAS	NORTH	1/3/04	275.0
WISE-TRACTEBEL POWER STG 1	02INR0009	WCPP_ST1	WISE	GAS	NORTH	1/3/04	290.0

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WOLF HOLLOW POWER CTG 1	01INR0015	WHCCS_CT1	HOOD	GAS	NORTH	7/24/02	227.0
WOLF HOLLOW POWER CTG 2	01INR0015	WHCCS_CT2	HOOD	GAS	NORTH	7/24/02	227.0
WOLF HOLLOW POWER STG	01INR0015	WHCCS_STG	HOOD	GAS	NORTH	7/24/02	286.0
ATKINS 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1/1/73	20.0
DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2/1/04	48.0
DANSBY CTG 3	09INR0072	DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	1/11/10	50.0
DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1/30/89	49.0
DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1/30/89	49.0
DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1/30/89	49.0
DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1/30/89	49.0
DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	3/1/90	74.0
DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	3/1/90	73.0
DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	3/1/90	72.0
DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	3/1/90	71.0
EXTEX LAPORTE GEN STN CTG 1	01INR0044	AZ_AZ_G1	HARRIS	GAS	HOUSTON	11/30/09	42.0
EXTEX LAPORTE GEN STN CTG 2	01INR0044	AZ_AZ_G2	HARRIS	GAS	HOUSTON	11/30/09	42.0
EXTEX LAPORTE GEN STN CTG 3	01INR0044	AZ_AZ_G3	HARRIS	GAS	HOUSTON	11/30/09	42.0
EXTEX LAPORTE GEN STN CTG 4	01INR0044	AZ_AZ_G4	HARRIS	GAS	HOUSTON	11/30/09	42.0
GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	12/16/76	54.0
GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	12/16/76	54.0
GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	12/16/76	54.0
GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	12/16/76	64.0
GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	12/16/76	54.0
GREENVILLE ENGINE PLANT	10INR0070	STEAM_ENGINE_1	HUNT	GAS	NORTH	6/1/10	8.4
GREENVILLE ENGINE PLANT	10INR0070	STEAM_ENGINE_2	HUNT	GAS	NORTH	6/1/10	8.4
GREENVILLE ENGINE PLANT	10INR0070	STEAM_ENGINE_3	HUNT	GAS	NORTH	6/1/10	8.4
LAREDO CTG 4	08INR0064	LARDVFTN_G4	WEBB	GAS	SOUTH	7/27/08	94.2
LAREDO CTG 5	08INR0064	LARDVFTN_G5	WEBB	GAS	SOUTH	8/20/08	94.2
LEON CREEK PEAKER CTG 1	04INR0009	LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	3/26/04	48.0
LEON CREEK PEAKER CTG 2	04INR0009	LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	4/8/04	48.0
LEON CREEK PEAKER CTG 3	04INR0009	LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	4/15/04	48.0
LEON CREEK PEAKER CTG 4	04INR0009	LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	4/22/04	48.0
MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	7/1/88	77.0
MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	7/1/88	77.0
MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	7/1/88	77.0
MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	7/1/88	77.0
MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	7/1/88	77.0
MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	7/1/88	77.0
PEARSALL IC ENGINE PLANT A	09INR0079a	PEARSAL2_AGR_A	FRIO	GAS	SOUTH	6/29/12	50.6
PEARSALL IC ENGINE PLANT B	09INR0079a	PEARSAL2_AGR_B	FRIO	GAS	SOUTH	6/29/12	50.6
PEARSALL IC ENGINE PLANT C	09INR0079b	PEARSAL2_AGR_C	FRIO	GAS	SOUTH	6/29/12	50.6
PEARSALL IC ENGINE PLANT D	09INR0079b	PEARSAL2_AGR_D	FRIO	GAS	SOUTH	6/29/12	50.6
PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	5/1/88	71.0
PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	5/1/88	70.0
PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	5/1/88	73.0
PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	2/1/90	74.0
PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	2/1/90	74.0
R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1/1/00	104.0

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R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1/1/00	104.0
RAY OLINGER CTG 4	001NR0024	OLINGR_OLING_4	COLLIN	GAS	NORTH	6/1/01	75.0
SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	3/8/63	13.5
SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	3/1/63	13.5
SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	4/21/95	81.0
SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	4/21/95	81.0
SANDHILL ENERGY CENTER CTG 1	011NR0041	SANDHSYD_SH1	TRAVIS	GAS	SOUTH	6/20/01	47.0
SANDHILL ENERGY CENTER CTG 2	011NR0041	SANDHSYD_SH2	TRAVIS	GAS	SOUTH	6/20/01	47.0
SANDHILL ENERGY CENTER CTG 3	011NR0041	SANDHSYD_SH3	TRAVIS	GAS	SOUTH	6/20/01	47.0
SANDHILL ENERGY CENTER CTG 4	011NR0041	SANDHSYD_SH4	TRAVIS	GAS	SOUTH	6/20/01	47.0
SANDHILL ENERGY CENTER CTG 6	091NR0045	SANDHSYD_SH6	TRAVIS	GAS	SOUTH	3/22/10	47.0
SANDHILL ENERGY CENTER CTG 7	091NR0045	SANDHSYD_SH7	TRAVIS	GAS	SOUTH	4/9/10	47.0
SILAS RAY CTG 10	041NR0014	SILASRAY_SILAS_10	CAMERON	GAS	SOUTH	1/1/04	46.0
T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	11/21/75	57.0
T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	11/21/75	57.0
T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	11/21/75	57.0
T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	11/21/75	57.0
T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	11/21/75	57.0
T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	11/21/75	57.0
T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	7/31/67	13.0
TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	HOUSTON	4/25/85	89.0
V H BRAUNIG CTG 5	091NR0028	BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	10/2/09	48.0
V H BRAUNIG CTG 6	091NR0028	BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	10/2/09	48.0
V H BRAUNIG CTG 7	091NR0028	BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	10/2/09	48.0
V H BRAUNIG CTG 8	091NR0028	BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	10/2/09	48.0
W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	7/31/67	13.0
W A PARISH - PETRA NOVA CTG	121NR0086	PNPI_GT2	FORT BEND	GAS	HOUSTON	6/15/13	83.0
WINCHESTER POWER PARK CTG 1	091NR0027	WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	5/31/09	44.0
WINCHESTER POWER PARK CTG 2	091NR0027	WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	5/31/09	44.0
WINCHESTER POWER PARK CTG 3	091NR0027	WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	5/31/09	44.0
WINCHESTER POWER PARK CTG 4	091NR0027	WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	5/31/09	44.0
B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	SOUTH	4/15/74	335.0
CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	12/11/70	745.0
CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	3/15/72	749.0
DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	9/1/78	110.0
DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	7/1/71	320.0
DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1/12/78	420.0
GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	12/19/60	225.0
GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	6/5/69	390.0
GREENS BAYOU STG U5		GBY_GBY_5	HARRIS	GAS	HOUSTON	6/16/73	371.0
HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1/1/63	395.0
HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1/1/76	435.0
HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1/1/77	435.0
LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	6/18/70	392.0
LAKE HUBBARD STG U2		LH2SES_UNIT2	DALLAS	GAS	NORTH	11/20/73	515.0
MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1/1/56	121.0
MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1/1/58	117.0
MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1/1/67	567.0

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O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1/1/72	420.0
O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1/1/74	420.0
PEARSALL STG U1		PEARSALL_PEAR_1	FRIO	GAS	SOUTH	6/1/61	25.0
PEARSALL STG U2		PEARSALL_PEAR_2	FRIO	GAS	SOUTH	7/1/61	25.0
PEARSALL STG U3		PEARSALL_PEAR_3	FRIO	GAS	SOUTH	9/1/61	25.0
POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1/1/66	20.0
POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1/1/67	26.0
POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1/1/78	41.0
R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1/1/00	75.0
R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1/1/00	120.0
R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1/1/00	208.0
RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	7/1/67	78.0
RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	5/1/71	107.0
RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	12/1/75	146.0
SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	5/15/65	130.0
SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	3/1/68	135.0
SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	5/1/72	336.0
SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	8/18/66	61.0
SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	5/30/73	61.0
STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	6/26/58	167.0
STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	12/21/65	502.0
TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	5/26/65	226.0
V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	5/3/66	220.0
V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	5/15/68	230.0
V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	8/1/70	412.0
W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	6/1/58	169.0
W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	12/20/58	169.0
W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	3/15/61	258.0
W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	6/1/68	536.0
NOTREES BATTERY	12INR0076	NWF_NBS	WINKLER/ECTOR	STORAGE	WEST	10/1/12	33.7
ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	12/30/12	10.0
OCI ALAMO 1 SOLAR	13INR0058	OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	12/13/13	39.2
WEBBERVILLE SOLAR	10INR0082	WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	11/23/11	26.7
BLUE WING 1		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	8/17/10	7.6
BLUE WING 2		DG_ELMEN_1UNIT	BEXAR	SOLAR	SOUTH	9/15/10	7.3
SOMERSET 1		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	4/1/12	5.6
SOMERSET 2		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	4/1/12	5.0
SUNEDISON RABEL ROAD		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2/15/12	9.9
SUNEDISON VALLEY ROAD		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2/15/12	9.9
NACOGDOCHES POWER	09INR0007	NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	6/22/12	105.0
LUFKIN BIOMASS	08INR0033	LFBIO_UNIT1	ANGELINA	BIOMASS	NORTH	3/1/12	45.0
ALVIN		AV_DG1	GALVESTON	BIOMASS	HOUSTON	10/1/02	6.7
AUSTIN LANDFILL GAS		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	11/21/07	6.4
COVEL GARDENS POWER STATION		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	12/1/05	9.6
DFW GAS RECOVERY		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	7/31/09	6.4
DG_BIOENERGY PARTNERS		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1/1/88	6.2
FW REGION GEN FACILITY		DG_RDMLM_1UNIT	TARRANT	BIOMASS	NORTH	6/14/11	1.6
HUMBLE		HB_DG1	HARRIS	BIOMASS	HOUSTON	12/1/02	10.0

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LIBERTY		LB_DG1	HARRIS	BIOMASS	HOUSTON	11/1/02	3.9
MCKINNEY LANDFILL		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	5/5/11	3.2
MESQUITE CREEK ENERGY		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	8/1/11	3.2
SKYLINE LANDFILL GAS		DG_FERIS_4_UNITS	DALLAS	BIOMASS	NORTH	3/31/07	6.4
TRINITY BAY		TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	11/1/02	3.9
TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	6/14/11	3.2
WALZEM ROAD		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	10/10/02	9.8
WESTSIDE		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2/5/10	4.8
Operational Units Total (Coal, Gas, Nuclear, Biomass, Solar)							65353.2
Operational Resources (Hydro)							
AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE		SOUTH	6/1/83	37.9
AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE		SOUTH	10/1/83	37.9
AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS		SOUTH	4/1/40	8.0
AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS		SOUTH	4/1/40	9.0
BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO		SOUTH	1/1/38	16.0
BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO		SOUTH	1/1/38	16.0
BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO		SOUTH	5/19/50	17.0
DENISON DAM 1		DNDAM_DENISOG1	GRAYSON		NORTH	3/1/44	40.0
DENISON DAM 2		DNDAM_DENISOG2	GRAYSON		NORTH	3/4/48	40.0
FALCON HYDRO 1		FALCON_FALCONG1	STARR		SOUTH	10/11/54	12.0
FALCON HYDRO 2		FALCON_FALCONG2	STARR		SOUTH	10/11/54	12.0
FALCON HYDRO 3		FALCON_FALCONG3	STARR		SOUTH	10/11/54	12.0
GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET		SOUTH	6/28/51	29.0
GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET		SOUTH	8/3/51	29.0
INKS HYDRO 1		INKSDA_INKS_G1	LLANO		SOUTH	1/1/38	14.0
MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET		SOUTH	10/10/51	21.0
MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET		SOUTH	9/25/51	20.0
MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS		SOUTH	1/1/41	36.0
MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS		SOUTH	1/1/41	36.0
MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS		SOUTH	1/1/41	29.0
WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE		NORTH	1/1/53	20.0
WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE		NORTH	1/1/53	15.0
CANYON		CANYHY_CANYHYG1	COMAL		SOUTH	1/1/89	6.0
EAGLE PASS HYDRO		EAGLE_HY_EAGLE_HY1	MAVERICK		SOUTH	12/22/05	9.6
LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES		SOUTH	1/1/31	4.8
LEWISVILLE		DG_LWSVL_1UNIT	DENTON		NORTH	1/1/91	2.2
MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE		SOUTH	1/1/28	7.7
SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE		SOUTH	1/1/28	3.6
Operational Capacity Total (Hydro)							540.7
Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT		HYDRO			446.2
Operational Capacity Total (Including Hydro)							65799.4
PUN Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			4668.0
Wind Resources							
ANACACHO WIND	12INR0072	ANACACHO_ANA	KINNEY	WIND	SOUTH	12/1/12	99.8

<u>Common Name</u>	<u>GINR_NUM</u>	<u>UNIT_CODE</u>	<u>COUNTY</u>	<u>FUEL</u>	<u>ZONE</u>	<u>START DATE</u>	<u>FALL SUSTAINED MW</u>
BARTON CHAPEL WIND	06INR0021	BRTSW_BCW1	JACK	WIND	WEST	12/1/07	120.0
BLUE SUMMIT WIND 5	12INR0075	BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	12/31/12	9.0
BLUE SUMMIT WIND 6	12INR0075	BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	12/31/12	126.4
BOBCAT BLUFF WIND	08INR0049	BCATWIND_WIND_1	ARCHER	WIND	NORTH	12/19/12	150.0
BUFFALO GAP WIND FARM 1	04INR0015	BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	4/21/06	120.6
BUFFALO GAP WIND FARM 2_1	06INR0037	BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	7/1/07	115.5
BUFFALO GAP WIND FARM 2_2	06INR0037	BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	7/1/07	117.0
BUFFALO GAP WIND FARM 3	07INR0030	BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	7/30/08	170.2
BULL CREEK WIND PLANT U1	07INR0037	BULLCRK_WND1	BORDEN	WIND	WEST	5/14/09	88.0
BULL CREEK WIND PLANT U2	07INR0037	BULLCRK_WND2	BORDEN	WIND	WEST	5/14/09	90.0
CALLAHAN WIND	04INR0013	CALLAHAN_WND1	CALLAHAN	WIND	WEST	12/15/04	114.0
CAMP SPRINGS WIND 1	06INR0038	CSEC_CSECG1	SCURRY	WIND	WEST	5/26/07	130.5
CAMP SPRINGS WIND 2	07INR0040	CSEC_CSECG2	SCURRY	WIND	WEST	11/15/07	120.0
CAPRICORN RIDGE WIND 1	07INR0018	CAPRIDGE_CR1	STERLING	WIND	WEST	8/1/07	214.5
CAPRICORN RIDGE WIND 2	07INR0041	CAPRIDGE_CR3	STERLING	WIND	WEST	2/15/08	186.0
CAPRICORN RIDGE WIND 3	07INR0041	CAPRIDGE_CR2	STERLING	WIND	WEST	8/1/07	149.5
CAPRICORN RIDGE WIND 4	08INR0063	CAPRIDG4_CR4	COKE/STERLING	WIND	WEST	4/15/08	112.5
CEDRO HILL WIND	09INR0082	CEDROHIL_CHW1	WEBB	WIND	SOUTH	11/23/10	150.0
CHAMPION WIND FARM	07INR0045d	CHAMPION_UNIT1	NOLAN AND MITC	WIND	WEST	1/28/08	126.5
DESERT SKY WIND FARM 1		INDNENR_INDNENR	PECOS	WIND	WEST	1/1/02	84.0
DESERT SKY WIND FARM 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	1/1/02	76.5
ELBOW CREEK WIND PROJECT	08INR0053	ELB_ELBCREEK	HOWARD	WIND	WEST	11/21/08	118.7
FOREST CREEK WIND FARM	05INR0019	MCDLD_FCW1	GLASSCOCK	WIND	WEST	3/1/07	124.2
GOAT WIND	07INR0028	GOAT_GOATWIND	STERLING	WIND	WEST	2/21/08	80.0
GOAT WIND 2	07INR0028b	GOAT_GOATWIN2	STERLING	WIND	WEST	4/14/10	69.6
GOLDTHWAITE WIND 1	11INR0013	GWEC_GWEC_G1	MILLS	WIND	NORTH	2/28/14	148.6
GREEN MOUNTAIN WIND (BRAZOS) U1	03INR0020	BRAZ_WND_WND1	SCURRY/BORDEN	WIND	WEST	12/24/03	99.0
GREEN MOUNTAIN WIND (BRAZOS) U2	03INR0020	BRAZ_WND_WND2	SCURRY/BORDEN	WIND	WEST	12/24/03	61.0
HACKBERRY WIND FARM	04INR0011e	HWF_HWFG1	SHACKELFORD	WIND	WEST	12/21/08	163.5
HORSE HOLLOW WIND 1	05INR0015	H_HOLLOW_WND1	TAYLOR	WIND	WEST	6/27/05	206.6
HORSE HOLLOW WIND 2	05INR0018	HHOLLOW2_WIND1	TAYLOR	WIND	WEST	6/1/06	184.0
HORSE HOLLOW WIND 3	06INR0040	HHOLLOW3_WND_1	TAYLOR	WIND	WEST	6/1/06	223.5
HORSE HOLLOW WIND 4	06INR0040	HHOLLOW4_WND1	TAYLOR	WIND	WEST	6/1/06	115.0
INADALE WIND	07INR0045b	INDL_INADALE1	NOLAN	WIND	WEST	12/18/08	196.6
INDIAN MESA WIND FARM	00INR0022	INDNNWP_INDNNWP	PECOS COUNTY	WIND	WEST	6/1/01	82.5
KING MOUNTAIN NE	00INR0025	KING_NE_KINGNE	UPTON	WIND	WEST	11/8/01	79.3
KING MOUNTAIN NW	00INR0025	KING_NW_KINGNW	UPTON	WIND	WEST	9/21/01	79.3
KING MOUNTAIN SE	00INR0025	KING_SE_KINGSE	UPTON	WIND	WEST	12/1/01	40.3
KING MOUNTAIN SW	00INR0025	KING_SW_KINGSW	UPTON	WIND	WEST	8/12/01	79.3
LANGFORD WIND POWER	10INR0026	LGD_LANGFORD	TOM GREEN	WIND	WEST	10/31/09	155.0
LONE STAR WIND 1 (MESQUITE)	04INR0011	LNCRK_G83	SHACKELFORD	WIND	WEST	11/21/06	200.0
LONE STAR WIND 2 (POST OAK) U1	04INR0011a	LNCRK2_G871	SHACKELFORD	WIND	WEST	9/15/07	100.0
LONE STAR WIND 2 (POST OAK) U2	04INR0011a	LNCRK2_G872	SHACKELFORD	WIND	WEST	9/15/07	100.0
LORAIN WINDPARK I	09INR0047	LONEWOLF_G1	MITCHELL	WIND	WEST	10/15/09	49.5
LORAIN WINDPARK II	09INR0047	LONEWOLF_G2	MITCHELL	WIND	WEST	10/15/09	51.0
LORAIN WINDPARK III	09INR0047	LONEWOLF_G3	MITCHELL	WIND	WEST	2/1/11	25.5
LORAIN WINDPARK IV	09INR0047	LONEWOLF_G4	MITCHELL	WIND	WEST	2/1/11	24.0
MCADOO WIND FARM	08INR0028	MWEC_G1	DICKENS	WIND	WEST	7/31/08	150.0

Common Name	GINR_NUM	UNIT_CODE	COUNTY	FUEL	ZONE	START DATE	FALL SUSTAINED MW
NOTREES WIND FARM 1	07INR0005	NWF_NWF1	WINKLER/ECTOR	WIND	WEST	4/1/09	90.7
NOTREES WIND FARM 2	07INR0005	NWF_NWF2	WINKLER/ECTOR	WIND	WEST	4/1/09	60.0
NOTREES WIND FARM 3	07INR0005	NWF_NWF3	WINKLER/ECTOR	WIND	WEST	4/1/09	1.9
OCOTILLO WIND FARM	04INR0017	OWF_OWF	HOWARD	WIND	WEST	11/1/08	58.8
PANHANDLE WIND 1 U1	14INR0030a_2	PH1_UNIT1	CARSON	WIND	PANHANDLE	7/30/14	109.2
PANHANDLE WIND 1 U2	14INR0030a_2	PH1_UNIT2	CARSON	WIND	PANHANDLE	7/30/14	109.2
PANTHER CREEK 1	07INR0022	PC_NORTH_PANTHER1	HOWARD	WIND	WEST	7/18/08	142.5
PANTHER CREEK 2	08INR0037	PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	12/12/08	115.5
PANTHER CREEK 3	11INR0015	PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	7/9/09	199.5
PECOS WIND (WOODWARD 1)	01INR0035	WOODWRD1_WOODWRD1	PECOS	WIND	WEST	7/31/01	82.5
PECOS WIND (WOODWARD 2)	01INR0035	WOODWRD2_WOODWRD2	PECOS	WIND	WEST	7/31/01	77.2
PYRON WIND FARM	07INR0045a	PYR_PYRON1	SCURRY AND FIS	WIND	WEST	12/23/08	249.0
RED CANYON WIND	05INR0017	RDCANYON_RDCNY1	BORDEN	WIND	WEST	4/15/06	84.0
ROSCOE WIND FARM	07INR0045e	TKWSW1_ROSCOE	NOLAN	WIND	WEST	2/20/08	209.0
SAND BLUFF WIND FARM	05INR0019	MCDLD_SBW1	GLASSCOCK	WIND	WEST	1/1/08	90.0
SENATE WIND PROJECT	08INR0011	SENATEWD_UNIT1	JACK	WIND	WEST	12/1/12	150.0
SHERBINO I WIND	06INR0012a	KEO_KEO_SM1	PECOS	WIND	WEST	10/15/08	150.0
SHERBINO 2 WIND	06INR0012b	KEO_SHRBINO2	PECOS	WIND	WEST	12/21/11	150.0
SILVER STAR WIND	03INR0034	FLTCK_SSI	EASTLAND	WIND	NORTH	9/26/08	60.0
SNYDER WIND FARM	04INR0020	ENAS_ENA1	SCURRY	WIND	WEST	10/31/07	63.0
SOUTH TRENT WIND FARM	07INR0029	STWF_T1	NOLAN & TAYLOR	WIND	WEST	10/29/08	101.2
SPINNING SPUR WIND TWO	13INR0048	SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	6/1/14	161.0
STANTON WIND ENERGY	07INR0010	SWEC_G1	MARTIN	WIND	WEST	1/28/08	120.0
SWEETWATER WIND 1	01INR0036	SWEETWN_WND1	NOLAN	WIND	WEST	11/20/03	36.6
SWEETWATER WIND 2A	01INR0036	SWEETWN2_WND24	NOLAN	WIND	WEST	3/21/06	15.9
SWEETWATER WIND 2B	01INR0036	SWEETWN2_WND2	NOLAN	WIND	WEST	11/22/04	97.5
SWEETWATER WIND 3A	01INR0036	SWEETWN3_WND3A	NOLAN	WIND	WEST	8/2/11	28.5
SWEETWATER WIND 3B	01INR0036	SWEETWN3_WND3B	NOLAN	WIND	WEST	8/2/11	100.5
SWEETWATER WIND 4-5	07INR0023	SWEETWN4_WND5	NOLAN	WIND	WEST	11/1/07	79.2
SWEETWATER WIND 4-4B	07INR0023	SWEETWN4_WND4B	NOLAN	WIND	WEST	3/21/07	103.7
SWEETWATER WIND 4-4A	07INR0023	SWEETWN4_WND4A	NOLAN	WIND	WEST	3/21/07	117.8
TEXAS BIG SPRING WIND	07INR0023	SGMTN_SIGNALMT	HOWARD	WIND	WEST	5/27/99	27.7
TRENT WIND FARM	01INR0038	TRENT_TRENT	NOLAN	WIND	WEST	7/9/01	150.0
TRINITY HILLS WIND 1	08INR0062	TRINITY_TH1_BUS1	YOUNG	WIND	NORTH	2/3/12	117.5
TRINITY HILLS WIND 2	08INR0062	TRINITY_TH1_BUS2	YOUNG	WIND	NORTH	2/3/12	107.5
TURKEY TRACK WIND ENERGY CENTER	07INR0011	TTWEC_G1	NOLAN	WIND	WEST	11/6/08	169.5
WEST TEXAS WIND ENERGY		SW_MESA_SW_MESA	UPTON/CROCKETT	WIND	WEST	6/1/99	74.2
WHIRLWIND ENERGY	07INR0003	WEC_WECG1	FLOYD	WIND	NORTH	11/9/07	57.0
WHITETAIL WIND ENERGY PROJECT	11INR0091	EXGNWTL_WIND_1	WEBB AND DUVA	WIND	SOUTH	12/21/12	90.0
WKN MOZART WIND	09INR0061	MOZART_WIND_1	KENT & STONEW.	WIND	WEST	12/21/12	30.0
WOLF RIDGE WIND	07INR0034	WHTTAIL_WR1	COOKE	WIND	NORTH	10/2/08	112.5
TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	1/1/08	2.0
Wind Capacity Total (Non-Coastal Counties)							9828.3
GULF WIND I	05INR0015a	TGW_T1	KENEDY	WIND	SOUTH	3/19/10	141.6
GULF WIND II	05INR0015a	TGW_T2	KENEDY	WIND	SOUTH	3/19/10	141.6
LOS VIENTOS WIND I	11INR0033	LV1_LV1A	WILLACY/CAMERON	WIND	SOUTH	8/30/13	200.1
LOS VIENTOS WIND II	11INR0033	LV1_LV1B	WILLACY/CAMERON	WIND	SOUTH	9/13/13	201.6

<u>Common Name</u>	<u>GINR_NUM</u>	<u>UNIT_CODE</u>	<u>COUNTY</u>	<u>FUEL</u>	<u>ZONE</u>	<u>START DATE</u>	<u>FALL SUSTAINED MW</u>
MAGIC VALLEY WIND (REDFISH) 1A	10INR0060	REDFISH_MV1A	WILLACY	WIND	SOUTH	9/18/12	99.8
MAGIC VALLEY WIND (REDFISH) 1B	10INR0060	REDFISH_MV1B	WILLACY	WIND	SOUTH	9/18/12	103.5
PAPALOTE CREEK WIND FARM	08INR0012a	PAP1_PAP1	SAN PATRICIO	WIND	SOUTH	9/4/09	179.9
PAPALOTE CREEK WIND FARM II	08INR0012b	COTTON_PAP2	SAN PATRICIO	WIND	SOUTH	6/1/10	200.1
PENASCAL WIND 1	06INR0022a	PENA_UNIT1	KENEDY	WIND	SOUTH	4/22/09	160.8
PENASCAL WIND 2	06INR0022b	PENA_UNIT2	KENEDY	WIND	SOUTH	4/22/09	141.6
PENASCAL WIND 3	06INR0022b	PENA3_UNIT3	KENEDY	WIND	SOUTH	8/2/11	100.8
HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND	SOUTH	2/17/12	9.0
Wind Capacity Total (Coastal Counties)							1680.4
Wind Capacity Total							11508.7
RMR Capacity Total		RMR_CAP_CONT		GAS			0.0
DC-Ties							
EAGLE PASS TIE		DC_S	MAVERICK		SOUTH		36.0
EAST TIE		DC_E	FANNIN		NORTH		600.0
LAREDO VFT TIE		DC_L	WEBB		SOUTH		100.0
NORTH TIE		DC_N	WILBARGER		WEST		220.0
SHARYLAND RAILROAD TIES (DC_R, DC_R2)		DC_R	HIDALGO		SOUTH		150.0
DC-Ties Total							1106.0
DC-Ties Capacity Contribution (Top 20 Hours)		DCTIE_CAP_CONT		OTHER			643.3
Switchable Resources							
KIAMICHI ENERGY FACILITY 1CT101	03INR0012	KMCHI_1CT101	PITTSBURG	GAS	NORTH	4/1/03	178.0
KIAMICHI ENERGY FACILITY 1CT201	03INR0012	KMCHI_1CT201	PITTSBURG	GAS	NORTH	4/1/03	180.0
KIAMICHI ENERGY FACILITY 1ST	03INR0012	KMCHI_1ST	PITTSBURG	GAS	NORTH	4/1/03	307.0
KIAMICHI ENERGY FACILITY 2CT101	03INR0012	KMCHI_2CT101	PITTSBURG	GAS	NORTH	4/1/03	178.0
KIAMICHI ENERGY FACILITY 2CT201	03INR0012	KMCHI_2CT201	PITTSBURG	GAS	NORTH	4/1/03	180.0
KIAMICHI ENERGY FACILITY 2ST	03INR0012	KMCHI_2ST	PITTSBURG	GAS	NORTH	4/1/03	307.0
TENASKA-FRONTIER CTG 1	00PSR4	FTR_FTR_G1	GRIMES	GAS	HOUSTON	9/17/00	180.0
TENASKA-FRONTIER CTG 2	00PSR4	FTR_FTR_G2	GRIMES	GAS	HOUSTON	9/17/00	180.0
TENASKA-FRONTIER CTG 3	00PSR4	FTR_FTR_G3	GRIMES	GAS	HOUSTON	9/17/00	180.0
TENASKA-FRONTIER STG 4	00PSR4	FTR_FTR_G4	GRIMES	GAS	HOUSTON	9/17/00	400.0
TENASKA-GATEWAY CTG 1	01INR0019	TGCCS_CT1	RUSK	GAS	NORTH	7/21/01	162.0
TENASKA-GATEWAY CTG 2	01INR0019	TGCCS_CT2	RUSK	GAS	NORTH	7/21/01	179.0
TENASKA-GATEWAY CTG 3	01INR0019	TGCCS_CT3	RUSK	GAS	NORTH	7/21/01	178.0
TENASKA-GATEWAY STG 4	01INR0019	TGCCS_UNIT4	RUSK	GAS	NORTH	7/21/01	389.0
FRONTERA GENERATION CTG 1		FRONTERA_FRONTG1	HIDALGO	GAS	SOUTH	6/30/99	170.0
FRONTERA GENERATION CTG 2		FRONTERA_FRONTG2	HIDALGO	GAS	SOUTH	7/22/99	170.0
FRONTERA GENERATION STG		FRONTERA_FRONTG3	HIDALGO	GAS	SOUTH	5/15/00	184.0
Switchable Capacity Total							3702.0
Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL		GAS			0.0
New Capacity with Signed IA, Air Permit, GHG Permit and Water Rights							
TEXAS CLEAN ENERGY PROJECT	13INR0023		ECTOR	COAL	WEST	3/31/19	0.0
PANDA TEMPLE II CTG1	10INR0020b	PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	8/1/15	0.0
PANDA TEMPLE II CTG2	10INR0020b	PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	8/1/15	0.0

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PANDA TEMPLE II STG	10INR0020b	PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	8/1/15	0.0
RENTECH PROJECT	13INR0040		HARRIS	GAS	HOUSTON	11/1/14	0.0
FORNEY POWER UPGRADE GT11-13	14INR0059-A		KAUFMAN	GAS	NORTH	8/1/14	17.0
FORNEY POWER UPGRADE GT21-23	14INR0059-B		KAUFMAN	GAS	NORTH	8/1/15	0.0
FGE TEXAS I	16INR0010		MITCHELL	GAS	WEST	7/1/16	0.0
ANTELOPE STATION IC & CTG	13INR0028		HALE	GAS	PANHANDLE	6/1/16	0.0
WHITE CAMP SOLAR	11INR0094	WCSOLAR1_100PV	KENT	SOLAR	WEST	7/1/15	0.0
MUSTANG SOLAR PROJECT	13INR0031		TRAVIS	SOLAR	SOUTH	12/31/15	0.0
BRACKETVILLE SOLAR - OCI ALAMO 4	14INR0024	ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	8/15/14	37.6
PECOS BARILLA SOLAR	12INR0059	HOVEY_UNIT1	PECOS	SOLAR	WEST	7/31/14	19.9
OCI ALAMO 5	15INR0036		UVALDE	SOLAR	SOUTH	11/2/15	0.0
New Capacity Total (Not Wind)							74.5
New Wind Capacity with Signed IA							
STEPHENS RANCH WIND - PHASE 1	12INR0034a	SRWE1_UNIT1	BORDEN	WIND	WEST	10/5/14	0.0
STEPHENS RANCH WIND - PHASE 2	12INR0034b		BORDEN	WIND	WEST	4/1/15	0.0
MARIAH WIND a	13INR0010a		PARMER	WIND	PANHANDLE	10/1/15	0.0
PANHANDLE WIND 2 U1	14INR0030b	PH2_UNIT1	CARSON	WIND	PANHANDLE	11/1/14	0.0
PANHANDLE WIND 2 U2	14INR0030b	PH2_UNIT2	CARSON	WIND	PANHANDLE	11/1/14	0.0
MIAMI WIND 1a G1	14INR0012a	MIAM1_G1	GRAY	WIND	PANHANDLE	8/15/15	0.0
MIAMI WIND 1a G2	14INR0012a	MIAM1_G2	GRAY	WIND	PANHANDLE	8/15/15	0.0
MARIAH WIND b	13INR0010b		PARMER	WIND	PANHANDLE	12/31/15	0.0
MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND	SOUTH	10/31/15	0.0
LONGHORN ENERGY CENTER U1	14INR0023	LHORN_N_UNIT1	FLOYD AND BRIS	WIND	WEST	1/30/15	0.0
LONGHORN ENERGY CENTER U2	14INR0023	LHORN_N_UNIT2	FLOYD AND BRIS	WIND	WEST	1/30/15	0.0
GRANDVIEW (CONWAY) PHASE 1A	13INR0005a	GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	11/1/14	0.0
GRANDVIEW (CONWAY) PHASE 1B	13INR0005a	GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	11/1/14	0.0
GRANDVIEW (CONWAY) PHASE 2	13INR0005b		CARSON	WIND	PANHANDLE	10/1/15	0.0
SOUTH CLAY WINDFARM	11INR0079a		CLAY	WIND	WEST	6/15/15	0.0
BAFFIN 1 (PENASCAL WIND FARM 3)	06INR0022c	BAFFIN_UNIT1	KENEDY	WIND	SOUTH	12/31/14	0.0
BAFFIN 2 (PENASCAL WIND FARM 3)	06INR0022c	BAFFIN_UNIT2	KENEDY	WIND	SOUTH	12/31/14	0.0
MARIAH WIND c	13INR0010c		PARMER	WIND	PANHANDLE	12/31/16	0.0
MESQUITE CREEK	09INR0051		BORDEN	WIND	WEST	1/17/15	0.0
GUNSIGHT MOUNTAIN	08INR0018		HOWARD	WIND	WEST	8/1/15	0.0
BRISCOE WIND FARM	14INR0072		BRISCOE	WIND	WEST	12/31/15	0.0
CAMERON COUNTY WIND	11INR0057		CAMERON	WIND	SOUTH	9/1/15	0.0
COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	12/31/16	0.0
CPV RATTLESNAKE DEN PH 1	13INR0020a		GLASSCOCK	WIND	WEST	9/1/15	0.0
CPV RATTLESNAKE DEN PH 2	13INR0020b		GLASSCOCK	WIND	WEST	9/20/16	0.0
GREEN PASTURES WIND I	12INR0070	GPASTURE_WIND_I	BAYLOR	WIND	WEST	2/1/15	0.0
GREEN PASTURES WIND II	12INR0070	GPASTURE_WIND_II	BAYLOR	WIND	WEST	7/1/15	0.0
HEREFORD WIND G	13INR0059a	HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	12/31/14	0.0
HEREFORD WIND V	13INR0059a	HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	12/31/14	0.0
JUMBO ROAD WIND b	13INR0059b		CASTRO	WIND	PANHANDLE	4/15/15	0.0
KEECHI WIND 138 KV JOPLIN	14INR0049_2	KEECHI_U1	JACK	WIND	NORTH	12/31/14	0.0
LOGANS GAP WIND I	13INR0050		COMANCHE	WIND	NORTH	5/17/15	0.0
LOS VIENTOS III WIND	13INR0052	LV3_UNIT_1	STARR	WIND	SOUTH	4/15/15	0.0
MIAMI WIND 1b	14INR0012b		GRAY	WIND	PANHANDLE	8/15/15	0.0

<u>Common Name</u>	<u>GINR_NUM</u>	<u>UNIT_CODE</u>	<u>COUNTY</u>	<u>FUEL</u>	<u>ZONE</u>	<u>START DATE</u>	<u>FALL SUSTAINED MW</u>
PAMPA WIND PROJECT	12INR0018		GRAY	WIND	PANHANDLE	3/31/17	0.0
PATRIOT (PETRONILLA) WIND	11INR0062		NUECES	WIND	SOUTH	8/15/15	0.0
ROUTE66 WIND	14INR0032a		RANDALL	WIND	PANHANDLE	8/15/15	0.0
SENDERO WIND ENERGY PROJECT	12INR0068		JIM HOGG	WIND	SOUTH	2/28/15	0.0
SOUTH PLAINS WIND I	14INR0025a		FLOYD	WIND	WEST	7/31/15	0.0
SOUTH PLAINS WIND II	14INR0025b		FLOYD	WIND	WEST	12/1/15	0.0
SPINNING SPUR WIND THREE	14INR0053		OLDHAM	WIND	PANHANDLE	6/1/15	0.0
WINDTHORST_2	13INR0057	WNDTHST2_UNIT1	ARCHER	WIND	WEST	9/30/14	67.6
WAKE WIND ENERGY	14INR0047		FLOYD	WIND	WEST	4/15/15	0.0
SCANDIA WIND d	13INR0010d		PARMER	WIND	PANHANDLE	12/31/14	0.0
SCANDIA WIND e	13INR0010e		PARMER	WIND	PANHANDLE	12/31/15	0.0
SCANDIA WIND f	13INR0010f		PARMER	WIND	PANHANDLE	12/31/16	0.0
PULLMAN ROAD	15INR0079		RANDALL	WIND	PANHANDLE	9/30/15	0.0
New Wind Capacity Total							67.6
New Wind Capacity (by Coastal County)							
		CAMERON_NEW_WIND	CAMERON	WIND	SOUTH		0.0
		WILLACY_NEW_WIND	WILLACY	WIND	SOUTH		0.0
		KENEDY_NEW_WIND	KENEDY	WIND	SOUTH		0.0
		KLEBERG_NEW_WIND	KLEBERG	WIND	SOUTH		0.0
		NUECES_NEW_WIND	NUECES	WIND	SOUTH		0.0
		SAN_PATRICIO_NEW_WIND	SAN PATRICIO	WIND	SOUTH		0.0
		REFUGIO_NEW_WIND	REFUGIO	WIND	SOUTH		0.0
		ARANSAS_NEW_WIND	ARANSAS	WIND	SOUTH		0.0
		CALHOUN_NEW_WIND	CALHOUN	WIND	SOUTH		0.0
		MATAGORDA_NEW_WIND	MATAGORDA	WIND	SOUTH		0.0
		BRAZORIA_NEW_WIND	BRAZORIA	WIND	HOUSTON		0.0
New Wind Capacity Sub-total (Coastal Counties)							0.0
New Wind Capacity Sub-total (Non-Coastal Counties)							67.6
Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL		GAS			500.0
Retiring Capacity Unavailable to ERCOT							
APPLIED ENERGY		APD_APD_G1	HARRIS	COAL	HOUSTON	10/26/86	138.0
ATKINS CTG 3		ATKINS_ATKINSG3	BRAZOS	GAS	NORTH	1/1/54	12.0
ATKINS CTG 4		ATKINS_ATKINSG4	BRAZOS	GAS	NORTH	1/1/58	22.0
ATKINS CTG 5		ATKINS_ATKINSG5	BRAZOS	GAS	NORTH	1/1/65	25.0
ATKINS CTG 6		ATKINS_ATKINSG6	BRAZOS	GAS	NORTH	1/1/69	50.0
DELAWARE MOUNTAIN WIND FARM	99INR0004	KUNITZ_WIND_NWP	CULBERSON COL	WIND	WEST	6/1/99	28.5
KUNITZ WIND - WINDPOWER PARTNERS 1994		KUNITZ_WIND_LGE	CULBERSON COL	WIND	WEST	9/1/95	39.8
Mothballed Capacity							
GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	12/16/76	58.0
NORTH TEXAS CTG 1		NTX_NTX_1	PARKER	GAS	NORTH	1/1/58	18.0
NORTH TEXAS CTG 2		NTX_NTX_2	PARKER	GAS	NORTH	1/1/58	18.0
NORTH TEXAS CTG 3		NTX_NTX_3	PARKER	GAS	NORTH	1/1/63	39.0
PERMIAN BASIN SES U6		PBSES_UNIT6	WARD	GAS	WEST	12/1/73	520.0
SILAS RAY CTG 5		SILASRAY_SILAS_5	CAMERON	GAS	SOUTH	4/26/53	10.0

<u>Common Name</u>	<u>GINR_NUM</u>	<u>UNIT_CODE</u>	<u>COUNTY</u>	<u>FUEL</u>	<u>ZONE</u>	<u>START DATE</u>	<u>FALL SUSTAINED MW</u>
VALLEY SES U1		VLSES_UNIT1	FANNIN	GAS	NORTH	11/16/62	174.0
VALLEY SES U2		VLSES_UNIT2	FANNIN	GAS	NORTH	12/19/67	520.0
VALLEY SES U3		VLSES_UNIT3	FANNIN	GAS	NORTH	5/31/71	375.0
J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1/1/77	430.0
J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1/1/78	420.0
S R BERTRON CTG 2		SRB_SRBGT_2	HARRIS	GAS	HOUSTON	7/31/67	13.0
S R BERTRON U1		SRB_SRB_G1	HARRIS	GAS	HOUSTON	3/1/58	118.0
S R BERTRON U2		SRB_SRB_G2	HARRIS	GAS	HOUSTON	4/1/56	174.0
S R BERTRON U3		SRB_SRB_G3	HARRIS	GAS	HOUSTON	4/1/59	211.0
S R BERTRON U4		SRB_SRB_G4	HARRIS	GAS	HOUSTON	3/15/60	211.0
Total Mothballed Capacity							3309.0
Seasonal Mothballed Capacity							
MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	4/1/79	820.0
MONTICELLO U1		MNSES_UNIT1	TITUS	COAL	NORTH	12/23/74	572.0
MONTICELLO U2		MNSES_UNIT2	TITUS	COAL	NORTH	12/8/75	572.0
Total Seasonal Mothballed Capacity							1964.0
Excluded Resources, per notification from developer							
COBISA-GREENVILLE	06INR0006		HUNT	GAS	NORTH	8/15/2017	0.0
Excluded Resources, pending water rights							
PONDERA KING POWER PROJECT	10INR0022		HARRIS	GAS	HOUSTON	8/1/2017	0.0

Seasonal Assessment of Resource Adequacy for the ERCOT Region

Background

The Seasonal Assessment of Resource Adequacy (SARA) report is a deterministic approach to considering the impact of potential variables that may affect the sufficiency of installed resources to meet the peak electrical demand on the ERCOT System during a particular season.

The standard approach to assessing resource adequacy for one or more years into the future is to account for projected load and resources on a normalized basis and to require sufficient reserves (resources in excess of peak demand, on this normalized basis) to cover the uncertainty in peak demand and resource availability to meet a one-in-ten-years loss-of-load event criteria on a probabilistic basis.

For seasonal assessments that look ahead less than a year, specific information may be available (such as seasonal climate forecasts or anticipated common-mode events such as drought) which can be used to consider the range of resource adequacy in a more deterministic manner.

The SARA report is intended to illustrate the range of resource adequacy outcomes that might occur, and thus help fulfill the reporting requirement per Public Utility Commission of Texas rule 25.362(i)(2)(H). Several sensitivity analyses are developed by varying the value of certain parameters that affect resource adequacy. The variation in these parameters is either based on historic values of these parameters, adjusted by any known or expected change.