Release Date: November 1, 2016

PRELIMINARY
Seasonal Assessment of Resource Adequacy for the ERCOT Region
Spring 2017

SUMMARY

The ERCOT Region is expected to have sufficient installed generating capacity to serve forecasted peak demands with expected generation outages in the upcoming spring season (March - May 2017).

This SARA report reflects a spring 2017 peak forecast of 58,245 MW based on current expectations for average weather, as well as 1,729 MW of new gas-fired, wind and solar planned resource capacity expected to be available at the start of the spring season. This capacity amount reflects spring peak average capacity contributions for wind and solar resources.

The report also includes a forecast of 9,402 MW of unit outages based on historical outage data since the start of the Texas Nodal Market in 2010, and assumes the high likelihood that the spring peak will occur in May. While a significant amount of unit maintenance is conducted during the spring season, much of this maintenance is completed prior to the onset of hotter temperatures (and resulting higher electricity demand) in late May. ERCOT thus assumes for the most extreme scenario that an extreme April peak demand coincides with average April outage amounts occurring during the peak hours of each weekday. Based on these assumptions, ERCOT is still expected to have sufficient capacity reserves on a systemwide basis.

Although ERCOT has not been notified of changes to available generation capacity for the spring season associated with regulatory requirements, it continues to monitor and consult with generation resource owners regarding their regulatory compliance plans.

Seasonal Assessment of Resource Adequacy for the ERCOT Region
Spring 2016 - Preliminary
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Forecasted Capacity and Demand

Operational Resources (Thermal and Hydro), MW	68,228	Based on current ratings reported through the unit registration process
Switchable Capacity Total, MW	3,931	Rated capacity of resources that can interconnect with other regions and are available to ERCOT
less Switchable Capacity Unavailable to ERCOT, MW	(663)	Based on survey responses of Switchable Resource owners
Mothball Resources, MW	0	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	3,787	Average capability of the top 20 hours in the spring peak seasons for the past three years
Non-Coastal Wind Resources Capacity Contribution, MW	4,380	Based on 29% of rated capacity for non-coastal wind resources per Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	1,392	Based on 68% of rated capacity for coastal wind resources per Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	186	Based on 47% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
RMR Resources under Contract, MW	0	Gas-fired unit (371 MW) placed under RMR contract on June 2, 2016; not available during the spring season
Non-Synchronous Ties Capacity Contribution, MW	249	Average capability of the top 20 hours in the spring peak seasons for the past three years
Planned Thermal Resources with Signed IA, Air Permits and Water Rights, MW	615	Based on projected dates provided by developers of generation resources
Planned Non-Coastal Wind, MW	737	Based on projected dates and 29% of rated capacity for non-coastal wind resources
Planned Coastal Wind, MW	65	Based on projected dates and 68% of rated capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	312	Based on projected dates and 47% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
[a] Total Resources, MW	83,219	
[b] Peak Demand, MW	58,245	May peak forecast based on average weather conditions from 2002 – 2014 at time of peak
[c] Reserve Capacity [a - b], MW	24,974	

Range of Potential Scenarios

	Forecasted Season Peak Load (May)	Extreme Gen Outages During Peak Maintenance Season (March-April)	Extreme Gen Outages During Peak Maintenance Season (March-April) / Extreme Peak Load (April)	
Seasonal Load Adjustment	-	(8,436)	(293)	April peak forecast is 49,809 MW and the extreme peak forecast is 57,952 MW. Adjustments reflect April peak forecast for average and 90th percentile weather conditions.
Typical May Maintenance Outages	5,733	5,733	5,733	Based on historical average of planned maintenance outages for May weekdays.
Typical May Forced Outages	3,669	3,669	3,669	Based on historical average of forced outages for May weekdays.
Incremental Unit Outages to Reflect April Peak Maintenance Season	-	8,251	8,251	Incremental outages based on historical average of forced and planned maintenance outages for April weekdays, hours ending 3 pm - 8 pm (starting August 2010).
[d] Total Uses of Reserve Capacity	9,402	9,217	17,360	
[e] Capacity Available for Operating Reserves (c-d), MW	15,572	15,757	7,614	
Less than 2,300 MW indicates risk of EEA1				

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
	Operational Resources (Thermal)							
4	COMANCHE PEAK U1		CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	1990	1,227.0
5	COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,214.0
6	SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,318.0
7	SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,325.0
8	BIG BROWN U1		BBSES_UNIT1	FREESTONE	COAL	NORTH	1971	606.0
9	BIG BROWN U2		BBSES_UNIT2	FREESTONE	COAL	NORTH	1972	602.0
10	COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	660.0
11	FAYETTE POWER U1		FPPYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	608.0
12	FAYETTE POWER U2		FPPYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	608.0
13	FAYETTE POWER U3		FPPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	448.0
14	GIBBONS CREEK U1		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
15	J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1992	560.0
16	J K SPRUCE U2		CALAVERS_JKS2	BEXAR	COAL	SOUTH	2010	775.0
17	J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1977	420.0
18	J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1978	420.0
19	LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	831.0
20	LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	858.0
21	MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	815.0
22	MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
23	MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	820.0
24	MONTICELLO U1		MNSES_UNIT1	TITUS	COAL	NORTH	1974	572.0
25	MONTICELLO U2		MNSES_UNIT2	TITUS	COAL	NORTH	1975	572.0
26	MONTICELLO U3		MNSES_UNIT3	TITUS	COAL	NORTH	1978	795.0
27	OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	840.0
28	OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	825.0
29	OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
30	SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
31	SANDOW U5		SD5SES_UNIT5	MILAM	COAL	SOUTH	2010	600.0
32	SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	970.0
33	TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	158.0
34	TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	158.0
35	W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	659.0
36	W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	658.0
37	W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
38	W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
39	ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	149.0
40	ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	149.0
41	ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	160.0
42	BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	161.0
43	BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	161.0
44	BARNEY M DAVIS REPOWER STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	322.0
45	BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	157.0
46	BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	157.0
47	BASTROP ENERGY CENTER STG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	236.0
48	BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	161.8
49	BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	83.6
50	BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	161.8
51	BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	160.6
52	BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	222.4
53	BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	169.0
54	BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	169.0
55	BRAZOS VALLEY STG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
56	CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	77.0
57	CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.0
58	CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	71.0
59	CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	168.0
60	CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	168.0
61	CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	182.0
62	COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	74.0
63	COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	67.0
64	COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	100.0
65	COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	73.0
66	COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	68.0
67	COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	105.0
68	CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	169.0
69	CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	175.0
70	CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	176.0
71	CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	146.0
72	DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	190.0
73	DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	202.0
74	DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	190.0
75	DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	202.0
76	DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
77	DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	174.0
78	ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	240.0
79	ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	124.0
80	FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	175.9
81	FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	175.9

Unit Capacities - Spring

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82	FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	196.9
83	FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	178.0
84	FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	170.0
85	FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	170.0
86	FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	178.0
87	FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	170.0
88	FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	170.0
89	FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	420.0
90	FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	420.0
91	FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	156.2
92	FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	156.2
93	FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	178.0
94	FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	156.5
95	FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	156.5
96	FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	177.1
97	GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	158.0
98	GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	158.0
99	GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	158.0
100	GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	158.0
101	GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	200.0
102	GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	200.0
103	HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	220.0
104	HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	220.0
105	HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	228.0
106	HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	228.0
107	HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	143.0
108	HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	143.0
109	HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	172.0
110	JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2005	150.0
111	JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2005	150.0
112	JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2005	285.0
113	JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
114	JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
115	JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	285.0
116	JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
117	JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
118	LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	171.0
119	LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	161.0
120	LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	161.0
121	LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	166.0
122	LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
123	LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
124	LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	183.0
125	LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	175.0
126	LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	192.0
127	MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	213.6
128	MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	213.6
129	MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	255.5
130	MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	235.0
131	MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	235.0
132	MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	235.0
133	MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	235.0
134	MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	252.0
135	MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	252.0
136	NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	161.0
137	NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	161.0
138	NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	322.0
139	ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	156.3
140	ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	149.9
141	ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	152.4
142	ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	150.7
143	ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	207.2
144	ODESSA-ECTOR POWER STG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	207.2
145	PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
146	PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
147	PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	353.1
148	PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
149	PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
150	PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	353.1
151	PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
152	PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
153	PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	353.1
154	PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	86.0
155	PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	86.0
156	PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
157	PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	170.0
158	PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	170.0
159	PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	168.0
160	QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	80.0

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
161	QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	80.0
162	QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
163	QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	80.0
164	QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	80.0
165	QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
166	RIO NOGALES POWER CTG 1		RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	162.0
167	RIO NOGALES POWER CTG 2		RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	162.0
168	RIO NOGALES POWER CTG 3		RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	162.0
169	RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
170	SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
171	SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
172	SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
173	SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
174	SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	160.0
175	SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	150.0
176	SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
177	SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	40.0
178	T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	57.0
179	T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	57.0
180	T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	57.0
181	T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	57.0
182	T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	104.0
183	T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	57.0
184	T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	57.0
185	T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	57.0
186	T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	57.0
187	T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	104.0
188	TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	100.6
189	TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	100.6
190	TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	100.6
191	TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5
192	VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
193	VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
194	WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
195	WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
196	WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
197	WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
198	WISE-TRACTEBEL POWER CTG 1		WCPP_CT1	WISE	GAS	NORTH	2004	212.0
199	WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	212.0
200	WISE-TRACTEBEL POWER STG 1		WCPP_ST1	WISE	GAS	NORTH	2004	241.0
201	WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	227.0
202	WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	227.0
203	WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	286.0
204	ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
205	DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5
206	DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
207	DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	50.0
208	DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	50.0
209	DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	50.0
210	DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	50.0
211	DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	75.0
212	DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	74.0
213	DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	73.0
214	DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	72.0
215	ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	153.6
216	ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	153.6
217	EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	42.0
218	EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	42.0
219	EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	42.0
220	EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	42.0
221	GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	54.0
222	GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	54.0
223	GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	54.0
224	GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	58.0
225	GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	64.0
226	GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	54.0
227	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.4
228	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.4
229	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.4
230	LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	92.9
231	LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	90.1
232	LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	45.0
233	LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
234	LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
235	LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
236	MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	77.0
237	MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	77.0
238	MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	77.0
239	MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	77.0

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
240	MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	77.0
241	MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	77.0
242	PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
243	PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
244	PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
245	PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
246	PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	69.0
247	PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	67.0
248	PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	71.0
249	PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	72.0
250	PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	72.0
251	R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
252	R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
253	RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
254	SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
255	SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
256	SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	81.0
257	SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	81.0
258	SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
259	SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
260	SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
261	SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
262	SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
263	SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
264	SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
265	SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
266	SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
267	T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
268	T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
269	T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
270	T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
271	T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
272	T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
273	T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
274	TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	89.0
275	V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
276	V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
277	V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
278	V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
279	W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
280	W A PARISH - PETRA NOVA CTG		PNPI_GT2	FORT BEND	GAS	HOUSTON	2013	80.0
281	WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
282	WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
283	WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
284	WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
285	B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
286	CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
287	CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
288	DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
289	DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
290	DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	428.0
291	GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
292	GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
293	HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
294	HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
295	HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
296	LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
297	LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
298	MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
299	MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
300	MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
301	O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
302	O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
303	PEARSALL STG U1		PEARSALL_PEARS_1	FRIO	GAS	SOUTH	1961	20.0
304	PEARSALL STG U2		PEARSALL_PEARS_2	FRIO	GAS	SOUTH	1961	23.0
305	PEARSALL STG U3		PEARSALL_PEARS_3	FRIO	GAS	SOUTH	1961	21.0
306	POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	20.0
307	POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	26.0
308	POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	41.0
309	R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
310	R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
311	R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
312	RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
313	RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
314	RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
315	SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
316	SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	133.0
317	SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
318	SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	61.0

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
319	SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
320	STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
321	STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
322	TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
323	V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	220.0
324	V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
325	V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
326	W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
327	W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
328	W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
329	W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	552.0
330	NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHE	BIOMASS	NORTH	2012	105.0
331	BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
332	BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
333	FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
334	GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
335	MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
336	NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
337	SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
338	TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
339	VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
340	VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
341	VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
342	VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
343	WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
344	WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
345	WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
346	WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
347	WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
348	NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2012	-
349	**Operational Capacity Total (Nuclear, Coal, Gas, Biomass)**							**67,957.6**
350								
351	**Operational Resources (Hydro)**							
352	AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
353	AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
354	AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
355	AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
356	BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
357	BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
358	BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
359	DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
360	DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
361	FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
362	FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
363	FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
364	GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
365	GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
366	INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
367	MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
368	MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
369	MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
370	MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
371	MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
372	WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
373	WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
374	ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
375	EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_	MAVERICK	HYDRO	SOUTH	2005	9.6
376	GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG	COMAL	HYDRO	SOUTH	1989	6.0
377	GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
378	GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
379	GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
380	LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
381	**Operational Capacity Total (Hydro)**							**555.1**
382	Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					445.5
383								
384	Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					(175.0)
385	Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					**68,228.1**
386								
387	**Operational Resources (Switchable)**							
388	ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	WEST	2016	56.0
389	ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	WEST	2016	56.0
390	ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	WEST	2016	56.0
391	ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	WEST	2016	195.0
392	ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	WEST	2016	195.0
393	ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	WEST	2016	195.0
394	TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	178.0
395	TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	180.0
396	TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	307.0
397	TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	178.0

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
398	TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	180.0
399	TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	307.0
400	TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
401	TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
402	TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
403	TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
404	TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
405	TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
406	TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
407	TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
408	**Switchable Capacity Total**							**3,931.0**
409								
410	Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL		GAS			**(663.0)**
411								
412	Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL		COAL			-
413								
414	Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			**4,033.0**
415	Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			**(246.0)**
416								
417	**Operational Resources (Wind)**							
418	ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
419	BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
420	BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
421	BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
422	BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
423	BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
424	BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
425	BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
426	BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
427	BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
428	BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
429	BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
430	CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
431	CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
432	CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
433	CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
434	CAPRICORN RIDGE WIND 2		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
435	CAPRICORN RIDGE WIND 3		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
436	CAPRICORN RIDGE WIND 4		CAPRIDG4_CR4	COKE	WIND	WEST	2008	112.5
437	CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
438	CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
439	CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
440	DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
441	DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
442	DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
443	DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
444	ELBOW CREEK WIND		ELB_ELBCREEK	HOWARD	WIND	WEST	2008	118.7
445	FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
446	GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
447	GOAT WIND 2		GOAT_GOATWIN2	STERLING	WIND	WEST	2010	69.6
448	GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
449	GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
450	GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
451	GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
452	GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
453	GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
454	GREEN PASTURES WIND 2		GPASTURE_WIND_II	BAYLOR	WIND	WEST	2015	150.0
455	GUNSIGHT MOUNTAIN WIND		GUNMTN_G1	HOWARD	WIND	WEST	2016	119.9
456	HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
457	HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
458	HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
459	HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
460	HORSE HOLLOW WIND 2		HHOLLOW2_WIND1	TAYLOR	WIND	WEST	2006	158.0
461	HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
462	HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
463	INADALE WIND		INDL_INADALE1	NOLAN	WIND	WEST	2008	196.6
464	INDIAN MESA WIND		INDNNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
465	JAVELINA WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
466	JAVELINA WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
467	JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
468	JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
469	KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
470	KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
471	KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
472	KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
473	KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
474	LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
475	LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	103.8
476	LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	106.3

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
477	LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
478	LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
479	LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
480	LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
481	LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
482	LORAINE WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2009	49.5
483	LORAINE WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2009	51.0
484	LORAINE WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
485	LORAINE WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
486	LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
487	LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
488	MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
489	MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
490	MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
491	MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
492	MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
493	NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
494	NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
495	OCOTILLO WIND		OWF_OWF	HOWARD	WIND	WEST	2008	58.8
496	PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
497	PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
498	PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
499	PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
500	PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
501	PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
502	PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
503	PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWR	PECOS	WIND	WEST	2001	82.5
504	PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWR	PECOS	WIND	WEST	2001	77.2
505	PYRON WIND		PYR_PYRON1	SCURRY	WIND	WEST	2008	249.0
506	RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
507	RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
508	RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
509	ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	209.0
510	ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
511	SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
512	SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
513	SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
514	SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
515	SHERBINO 1 WIND		KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
516	SHERBINO 2 WIND		KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0
517	SILVER STAR WIND		FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
518	SNYDER WIND		ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
519	SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
520	SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
521	SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
522	SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
523	SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
524	SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
525	SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
526	SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
527	STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
528	STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
529	STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
530	SWEETWATER WIND 1		SWEETWND_WND1	NOLAN	WIND	WEST	2003	36.6
531	SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	18.1
532	SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	105.0
533	SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	28.5
534	SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	100.5
535	SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	79.2
536	SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	103.7
537	SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	117.8
538	TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
539	TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
540	TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
541	TRINITY HILLS WIND 1		TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
542	TRINITY HILLS WIND 2		TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
543	TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
544	WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
545	WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
546	WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
547	WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
548	WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	91.0
549	WINDTHORST 2 WIND		WNDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
550	WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
551	WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
552	TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
553	WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
554	**Operational Wind Capacity Sub-total (Non-Coastal Counties)**							**15,102.5**
555	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				29.0

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
556								
557	BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
558	BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
559	CAMERON COUNTY WIND [CAMWIND_UNIT1]		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
560	GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
561	GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
562	LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
563	LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
564	MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
565	MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
566	PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
567	PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
568	PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
569	PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
570	PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
571	HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
572	**Operational Wind Capacity Sub-total (Coastal Counties)**							**2,047.4**
573	Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				68.0
574								
575	Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					**17,149.9**
576								
577	**Operational Resources (Solar)**							
578	ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
579	FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2014	22.0
580	OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
581	OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
582	OCI ALAMO 5 (DOWNIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
583	WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
584	BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
585	BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
586	OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
587	OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
588	OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	104.5
589	BECK 1		DG_CECSOLAR_DG_BE(	BEXAR	SOLAR	SOUTH	2016	1.0
590	FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
591	HM SEALY SOLAR 1		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
592	RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
593	SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
594	SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
595	SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
596	SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
597	**Operational Capacity Total (Solar)**							**396.4**
598	Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				47.0
599								
600	Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT		GAS		2016	-
601								
602	**Non-Synchronous Tie Resources**							
603	EAST TIE		DC_E	FANNIN		NORTH		600.0
604	NORTH TIE		DC_N	WILBARGER		WEST		220.0
605	EAGLE PASS TIE		DC_S	MAVERICK		SOUTH		30.0
606	LAREDO VFT TIE		DC_L	WEBB		SOUTH		100.0
607	SHARYLAND RAILROAD TIE		DC_R	HIDALGO		SOUTH		150.0
608	SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO		SOUTH		150.0
609	**Non-Synchronous Ties Total**							**1,250.0**
610	Non-Synchronous Ties Capacity Contribution (Top 20 Hours)		DCTIE_CAP_CONT		OTHER			249.0
611								
612	**Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Water Rights**							
613	COLORADO BEND II	17INR0007		WHARTON	GAS	SOUTH	2017	-
614	TEXAS CLEAN ENERGY PROJECT	13INR0023		ECTOR	COAL	WEST	2019	-
615	FGE TEXAS I PROJECT	16INR0010		MITCHELL	GAS	WEST	2019	-
616	LA PALOMA ENERGY CENTER PROJECT	16INR0004		CAMERON	GAS	COASTAL	2019	-
617	PHR PEAKERS [BAC_CTG1-6]	14INR0038		GALVESTON	GAS	HOUSTON	2016	390.0
618	INDECK WHARTON ENERGY CENTER	15INR0023		WHARTON	GAS	SOUTH	2019	-
619	PINECREST ENERGY CENTER PROJECT	16INR0006		ANGELINA	GAS	NORTH	2017	-
620	RED GATE IC PLANT [REDGATE_AGR_A-D]	14INR0040		HIDALGO	GAS	SOUTH	2016	225.0
621	WOLF HOLLOW 2	17INR0009		HOOD	GAS	NORTH	2017	-
622	FRIENDSWOOD G	13INR0049		HARRIS	GAS	HOUSTON	2017	-
623	BETHEL CAES PROJECT	15INR0013		ANDERSON	STORAGE	NORTH	2018	-
624	HALYARD HENDERSON	16INR0045		HENDERSON	GAS	NORTH	2018	-
625	HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2018	-
626	POINT COMFORT G	16INR0009		CALHOUN	GAS	COASTAL	2017	-
627	**Planned Capacity Total (Coal, Gas & Storage)**							**615.0**
628								
629	**Planned Wind Resources with Executed SGIA**							
630	ALBERCAS WIND	15INR0049		ZAPATA	WIND	SOUTH	2016	200.0
631	MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2017	-
632	LONGHORN WIND SOUTH	14INR0023b		BRISCOE	WIND	PANHANDLE	2017	-
633	MARIAH WIND A	13INR0010a		PARMER	WIND	PANHANDLE	2018	-
634	MARIAH WIND B	13INR0010b		PARMER	WIND	PANHANDLE	2016	230.4

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
635	MARIAH DEL SUR	13INR0010c		PARMER	WIND	PANHANDLE	2018	-
636	RATTLESNAKE DEN WIND 2	13INR0020b		GLASSCOCK	WIND	WEST	2018	-
637	PATRIOT WIND (PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2017	-
638	COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	2018	-
639	PAMPA WIND	12INR0018		GRAY	WIND	PANHANDLE	2018	-
640	GRANDVIEW WIND 3 (CONWAY)	13INR0005c		CARSON	WIND	PANHANDLE	2017	-
641	SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2017	-
642	PULLMAN ROAD WIND	15INR0079		RANDALL	WIND	PANHANDLE	2018	-
643	PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2017	-
644	SALT FORK WIND	14INR0062		GRAY	WIND	PANHANDLE	2016	174.0
645	LOS VIENTOS IV WIND	15INR0037		STARR	WIND	SOUTH	2016	200.0
646	PALO DURO WIND	15INR0050		DEAF SMITH	WIND	PANHANDLE	2018	-
647	CAPROCK WIND	10INR0009		CASTRO	WIND	PANHANDLE	2017	300.0
648	SAN ROMAN WIND	14INR0013	SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2016	95.2
649	TORRECILLAS WIND A	14INR0045a		WEBB	WIND	SOUTH	2017	-
650	TORRECILLAS WIND B	14INR0045b		WEBB	WIND	SOUTH	2017	-
651	CHANGING WINDS	13INR0045		CASTRO	WIND	PANHANDLE	2017	-
652	ELECTRA WIND	16INR0062a		WILBARGER	WIND	WEST	2016	230.0
653	LOCKETT WIND FARM	16INR0062b		WILBARGER	WIND	WEST	2017	-
654	HORSE CREEK WIND	14INR0060		HASKELL	WIND	WEST	2016	230.0
655	WILLOW SPRINGS WIND	14INR0060b		HASKELL	WIND	WEST	2017	-
656	MUENSTER WIND	15INR0085		COOKE	WIND	NORTH	2016	125.6
657	FALVEZ ASTRA W	15INR0074		DEAF SMITH	WIND	PANHANDLE	2017	-
658	CHAPMAN RANCH WIND I	16INR0055		NUECES	WIND-C	COASTAL	2017	-
659	HIDALGO & STARR WIND	16INR0024		HIDALGO	WIND	SOUTH	2016	250.0
660	BLANCO CANYON WIND (COTTON PLAINS)	16INR0037		FLOYD	WIND	PANHANDLE	2016	50.0
661	BLANCO CANYON WIND (OLD SETTLER)	16INR0037b		FLOYD	WIND	PANHANDLE	2017	150.0
662	PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2019	-
663	ROCK SPRINGS VAL VERDE WIND	11INR0082a		VAL VERDE	WIND	WEST	2017	-
664	MAGIC VALLEY WIND II (REDFISH 2A and 2B)	14INR0041a		WILLACY	WIND-C	COASTAL	2017	-
665	SALT FORK WIND 2	16INR0082		CARSON	WIND	PANHANDLE	2017	-
666	SANTA RITA WIND	16INR0091		REAGAN	WIND	WEST	2017	-
667	SWISHER WIND	13INR0038		SWISHER	WIND	PANHANDLE	2017	-
668	BUCKTHORN WIND 1	14INR0057		ERATH	WIND	NORTH	2017	-
669	FLUVANNA RENEWABLE 1	13INR0056		SCURRY	WIND	WEST	2017	240.0
670	RTS WIND	16INR0087		MCCULLOCH	WIND	SOUTH	2016	160.0
671	SILVER CANYON WIND A	12INR0002a		BRISCOE	WIND	PANHANDLE	2017	-
672	LOGAN'S GAP WIND II	15INR0082		COMANCHE	WIND	NORTH	2017	-
673	CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2017	-
674	SALT FORK WIND EXPANSION	16INR0121		CARSON	WIND	PANHANDLE	2017	-
675	CHOCOLATE BAYOU	16INR0074		BRAZORIA	WIND-C	COASTAL	2018	-
676	GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2018	-
677	DERMOTT WIND 1	17INR0027		SCURRY	WIND	WEST	2017	-
678	COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2018	-
679	BEARKAT WIND A	15INR0064		GLASSCOCK	WIND	WEST	2017	-
680	**Planned Capacity Total (Wind)**							**2,635.2**
681								
682	Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					2,540.0
683	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_N	%				29.0
684								
685	Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					95.2
686	Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				68.0
687								
688	**Planned Solar Resources with Executed SGIA**							
689	FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2016	7.4
690	FS BARILLA SOLAR 2	12INR0059c		PECOS	SOLAR	WEST	2017	-
691	RE ROSEROCK SOLAR	16INR0048		PECOS	SOLAR	WEST	2016	160.0
692	OCI ALAMO 6 (WEST TEXAS)	15INR0070_1		PECOS	SOLAR	WEST	2016	110.0
693	OCI ALAMO 6 (WEST TEXAS PHASE II)	15INR0070_1b		PECOS	SOLAR	WEST	2017	-
694	SE BUCKTHORN WESTEX SOLAR (RIGGINS SOLAR)	15INR0045		PECOS	SOLAR	WEST	2017	150.0
695	FS EAST PECOS SOLAR	16INR0073		PECOS	SOLAR	WEST	2016	120.0
696	LC NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2017	-
697	PECOS SOLAR POWER I	15INR0059		PECOS	SOLAR	WEST	2019	-
698	BNB LAMESA SOLAR	16INR0023		DAWSON	SOLAR	WEST	2017	-
699	BNB LAMESA SOLAR B	16INR0023b		DAWSON	SOLAR	WEST	2018	-
700	CAPRICORN RIDGE SOLAR	16INR0019		COKE	SOLAR	WEST	2017	-
701	UPCO POWER 1 (SP-TX-12)	16INR0065		UPTON	SOLAR	WEST	2017	117.0
702	CASTLE GAP SOLAR 2	16INR0065a		UPTON	SOLAR	WEST	2017	-
703	SP-TX-12-PHASE B	16INR0065b		UPTON	SOLAR	WEST	2017	-
704	SOLAIREHOLMAN 1	15INR0061		BREWSTER	SOLAR	WEST	2017	-
705	RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2018	-
706	RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2019	-
707	RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2020	-
708	RE MAPLEWOOD 2D SOLAR	17INR0020d		PECOS	SOLAR	WEST	2020	-
709	UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2018	-
710	**Planned Capacity Total (Solar)**							**664.4**
711	Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				47.0
712								
713	**RMR Resources**							

Unit Capacities - Spring

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
714	GREENS BAYOU STG U5		GBY_GBY_5	HARRIS	GAS	HOUSTON	2016	371.0
715	**Total RMR Capacity**							**371.0**
716								
717	**Mothballed Resources**							
718	J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1918	430.0
719	J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1918	420.0
720	LUFKIN BIOMASS (AS OF 7/6/2016)		LFBIO_UNIT1	ANGELINA	BIOMASS	NORTH	2012	45.0
721	S R BERTRON CTG 2 (SINCE 5/15/2013)		SRB_SRBGT_2	HARRIS	GAS	HOUSTON	1967	13.0
722	S R BERTRON U1 (SINCE 5/15/2013)		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	118.0
723	S R BERTRON U2 (SINCE 5/15/2013)		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	174.0
724	S R BERTRON U3 (SINCE 5/22/2013)		SRB_SRB_G3	HARRIS	GAS	HOUSTON	1959	211.0
725	S R BERTRON U4 (SINCE 5/22/2013)		SRB_SRB_G4	HARRIS	GAS	HOUSTON	1960	211.0
726	**Total Mothballed Capacity**							**1,622.0**
727								
728	**Retiring Resources Unavailable to ERCOT (since last CDR)**							
729	FRONTERA GENERATION CTG 1 (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTEG1_	HIDALGO	GAS	SOUTH	2016	170.0
730	FRONTERA GENERATION CTG 2 (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTEG2_	HIDALGO	GAS	SOUTH	2016	170.0
731	FRONTERA GENERATION STG (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTEG3_	HIDALGO	GAS	SOUTH	2016	184.0
732	**Total Retired Capacity**							**524.0**

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.

In contrast to the Capacity, Demand and Reserves (CDR) report, which addresses the sufficiency of planning reserves on an annual basis as described above, the SARA report focuses on the availability of sufficient operating reserves to avoid emergency actions such as deployment of voluntary load reduction resources. Consequently, load reduction resources included in the CDR report, such as Emergency Response Service (ERS) and Load Resources that provide operating reserves (LRs), are excluded from the SARA.

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 based on historic values of these parameters or adjustments by any known or expected changes.