

FINAL
Seasonal Assessment of Resource Adequacy for the ERCOT Region
Spring 2016

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 2016).

This SARA report reflects our latest spring 2016 peak forecast, which is based on expected weather conditions similar to those that occurred in May 2006, a hotter-than-normal month. The report also includes a unit outage forecast of 9,482 MW 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, following completion of most scheduled seasonal maintenance. 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.

This SARA report also incorporates the calculation of a spring peak solar unit capacity consistent with the methodology to be applied once operational solar capacity registered with ERCOT reaches the 200 MW threshold as specified in ERCOT Nodal Protocol Section 3.2.6.2.2. (The installed solar capacity surpassed 200 MW in late December 2015). The spring peak solar capacity contribution percentage is 58% based on three years of historical spring solar production data. In contrast, the previous capacity contribution percentage was 100%. The impact of this change is to reduce total available installed and planned solar capacity from 295 MW to 171 MW.

At this time, ERCOT does not anticipate changes to available generation capacity for the spring season due to compliance with environmental regulations. The final compliance date for the Mercury and Air Toxics Standards (MATS) for coal units with compliance extensions is April 15, 2016. Confidential survey information gathered in December 2015 indicated that coal generators are expected to be compliant with MATS by the compliance date. ERCOT continues to monitor implementation and consults with generation resource owners on their compliance plans for MATS and other environmental regulations.

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Spring 2016 - Final
Release Date: March 1, 2016

Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	67,665	Based on current ratings reported through the unit registration process
Switchable Capacity Total, MW	3,702	Rated capacity of resources that can interconnect with other regions and are available to ERCOT
less Switchable Capacity Unavailable to ERCOT, MW	(300)	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	4,441	Average capability of the top 20 hours in the winter peak seasons for the past three years
Non-Coastal Wind Resources Capacity Contribution, MW	2,535	Based on 18% of rated capacity for non-coastal wind resources per Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	683	Based on 37% of rated capacity for coastal wind resources per Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	167	Based on 58% of rated capacity for solar resources during the spring season
RMR Resources to be under Contract, MW	0	No RMR resources currently under contract
Non-Synchronous Ties Capacity Contribution, MW	371	Average capability of the top 20 hours in the winter peak seasons for the past three years
Planned Resources (not wind), MW	0	Based on projected dates provided by developers of generation resources
Planned Non-Coastal Wind, MW	20	Based on projected dates and 18% of rated capacity for non-coastal wind resources
Planned Coastal Wind, MW	75	Based on projected dates and 37% of rated capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	<u>4</u>	Based on 58% of rated capacity for solar resources during the spring season
[a] Total Resources, MW	79,359	
[b] Peak Demand, MW	58,279	May peak forecast based on weather conditions similar to May 2006
[c] Reserve Capacity [a - b], MW	21,080	

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		(7,716)	(1,651)	Adjustments reflect April peak forecast for average and 90th percentile weather conditions.
Typical May Maintenance Outages	5,832	5,832	5,832	Based on historical average of planned outages for May weekdays.
Typical May Forced Outages	3,650	3,650	3,650	Based on historical average of forced outages for May weekdays.
Incremental Unit Outages to Reflect April Peak Maintenance Season		8,473	8,473	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	<u>9,482</u>	<u>10,239</u>	<u>16,304</u>	
[e] Capacity Available for Operating Reserves (c-d), MW Less than 2,300 MW indicates risk of EEA1	11,598	10,841	4,776	

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION		COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE					
Operational Resources (Thermal)							
4 COMANCHE PEAK U1		CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	1990	1227.0
5 COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1214.0
6 SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1318.0
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1325.0
8 BIG BROWN U1		BBSSES_UNIT1	FREESTONE	COAL	NORTH	1971	606.0
9 BIG BROWN U2		BBSSES_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 U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	820.0
23 MONTICELLO U1		MNSES_UNIT1	TITUS	COAL	NORTH	1974	572.0
24 MONTICELLO U2		MNSES_UNIT2	TITUS	COAL	NORTH	1975	572.0
25 MONTICELLO U3		MNSES_UNIT3	TITUS	COAL	NORTH	1978	795.0
26 OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	840.0
27 OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	825.0
28 OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
29 SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
30 SANDOW U5		SD5SES_UNIT5	MILAM	COAL	SOUTH	2010	600.0
31 SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	970.0
32 TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	158.0
33 TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	158.0
34 W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	659.0
35 W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	658.0
36 W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
37 W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
38 ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	149.0
39 ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	149.0
40 ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	160.0
41 BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	161.0
42 BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	161.0
43 BARNEY M DAVIS REPOWER CTG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	322.0
44 BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	157.0
45 BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	157.0
46 BASTROP ENERGY CENTER CTG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	236.0
47 BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	161.8
48 BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	83.6
49 BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	161.8
50 BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	160.6
51 BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	222.4
52 BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	169.0
53 BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	169.0
54 BRAZOS VALLEY CTG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
55 CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	77.0
56 CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.0
57 CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	71.0
58 CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	168.0
59 CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	168.0
60 CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	182.0
61 COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	74.0
62 COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	67.0
63 COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	100.0
64 COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	73.0
65 COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	68.0
66 COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	105.0
67 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	169.0
68 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	175.0
69 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	176.0
70 CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	146.0
71 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	190.0
72 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	202.0
73 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	190.0
74 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	202.0
75 DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
76 DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	174.0
77 ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	240.0
78 ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	124.0
79 FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	175.9
80 FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	175.9

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81 FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	196.9
82 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	178.0
83 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	170.0
84 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	170.0
85 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	178.0
86 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	170.0
87 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	170.0
88 FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	420.0
89 FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	420.0
90 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	156.2
91 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	156.2
92 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	178.0
93 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	156.5
94 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	156.5
95 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	177.1
96 GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	158.0
97 GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	158.0
98 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	158.0
99 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	158.0
100 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	200.0
101 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	200.0
102 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	220.0
103 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	220.0
104 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	228.0
105 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	228.0
106 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	143.0
107 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	143.0
108 HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	172.0
109 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2005	150.0
110 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2005	150.0
111 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2005	285.0
112 JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
113 JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
114 JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	285.0
115 JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
116 JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
117 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	171.0
118 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	161.0
119 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	161.0
120 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	166.0
121 LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
122 LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
123 LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	183.0
124 LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	175.0
125 LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	192.0
126 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	213.6
127 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	213.6
128 MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	255.5
129 MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	235.0
130 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	235.0
131 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	235.0
132 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	235.0
133 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	252.0
134 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	252.0
135 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	161.0
136 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	161.0
137 NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	322.0
138 ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	153.5
139 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	150.6
140 ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	148.8
141 ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	144.4
142 ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	216.0
143 ODESSA-ECTOR POWER STG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	216.0
144 PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
145 PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
146 PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	353.1
147 PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
148 PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
149 PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	353.1
150 PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
151 PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
152 PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	353.1
153 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	86.0
154 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	86.0
155 PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
156 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	170.0
157 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	170.0
158 PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	168.0

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION		UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE							
159 QUAIL RUN ENERGY CTG 1			QALSW_GT1	ECTOR	GAS	WEST	2007	80.0
160 QUAIL RUN ENERGY CTG 2			QALSW_GT2	ECTOR	GAS	WEST	2007	80.0
161 QUAIL RUN ENERGY STG 1			QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
162 QUAIL RUN ENERGY CTG 3			QALSW_GT3	ECTOR	GAS	WEST	2008	80.0
163 QUAIL RUN ENERGY CTG 4			QALSW_GT4	ECTOR	GAS	WEST	2008	80.0
164 QUAIL RUN ENERGY STG 2			QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
165 RIO NOGALES POWER CTG 1			RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	162.0
166 RIO NOGALES POWER CTG 2			RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	162.0
167 RIO NOGALES POWER CTG 3			RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	162.0
168 RIO NOGALES POWER STG 4			RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
169 SAM RAYBURN POWER CTG 7			RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
170 SAM RAYBURN POWER CTG 8			RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
171 SAM RAYBURN POWER CTG 9			RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
172 SAM RAYBURN POWER STG 10			RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
173 SANDHILL ENERGY CENTER CTG 5A			SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	160.0
174 SANDHILL ENERGY CENTER STG 5C			SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	150.0
175 SILAS RAY POWER STG 6			SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
176 SILAS RAY POWER CTG 9			SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	40.0
177 T H WHARTON POWER CTG 31			THW_THWGT31	HARRIS	GAS	HOUSTON	1972	57.0
178 T H WHARTON POWER CTG 32			THW_THWGT32	HARRIS	GAS	HOUSTON	1972	57.0
179 T H WHARTON POWER CTG 33			THW_THWGT33	HARRIS	GAS	HOUSTON	1972	57.0
180 T H WHARTON POWER CTG 34			THW_THWGT34	HARRIS	GAS	HOUSTON	1972	57.0
181 T H WHARTON POWER STG 3			THW_THWST_3	HARRIS	GAS	HOUSTON	1974	104.0
182 T H WHARTON POWER CTG 41			THW_THWGT41	HARRIS	GAS	HOUSTON	1972	57.0
183 T H WHARTON POWER CTG 42			THW_THWGT42	HARRIS	GAS	HOUSTON	1972	57.0
184 T H WHARTON POWER CTG 43			THW_THWGT43	HARRIS	GAS	HOUSTON	1974	57.0
185 T H WHARTON POWER CTG 44			THW_THWGT44	HARRIS	GAS	HOUSTON	1974	57.0
186 T H WHARTON POWER STG 4			THW_THWST_4	HARRIS	GAS	HOUSTON	1974	104.0
187 TEXAS CITY POWER CTG A			TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	100.6
188 TEXAS CITY POWER CTG B			TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	100.6
189 TEXAS CITY POWER CTG C			TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	100.6
190 TEXAS CITY POWER STG			TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5
191 VICTORIA POWER CTG 6			VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
192 VICTORIA POWER STG 5			VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
193 WICHITA FALLS CTG 1			WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
194 WICHITA FALLS CTG 2			WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
195 WICHITA FALLS CTG 3			WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
196 WICHITA FALLS STG 4			WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
197 WISE-TRACTEBEL POWER CTG 1			WCPP_CT1	WISE	GAS	NORTH	2004	212.0
198 WISE-TRACTEBEL POWER CTG 2			WCPP_CT2	WISE	GAS	NORTH	2004	212.0
199 WISE-TRACTEBEL POWER STG 1			WCPP_ST1	WISE	GAS	NORTH	2004	241.0
200 WOLF HOLLOW POWER CTG 1			WHCCS_CT1	HOOD	GAS	NORTH	2002	227.0
201 WOLF HOLLOW POWER CTG 2			WHCCS_CT2	HOOD	GAS	NORTH	2002	227.0
202 WOLF HOLLOW POWER STG			WHCCS_STG	HOOD	GAS	NORTH	2002	286.0
203 ATKINS CTG 7			ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
204 DANSBY CTG 2			DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5
205 DANSBY CTG 3			DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
206 DECKER CREEK CTG 1			DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	50.0
207 DECKER CREEK CTG 2			DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	50.0
208 DECKER CREEK CTG 3			DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	50.0
209 DECKER CREEK CTG 4			DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	50.0
210 DECORDOVA CTG 1			DCSES_CT10	HOOD	GAS	NORTH	1990	75.0
211 DECORDOVA CTG 2			DCSES_CT20	HOOD	GAS	NORTH	1990	74.0
212 DECORDOVA CTG 3			DCSES_CT30	HOOD	GAS	NORTH	1990	73.0
213 DECORDOVA CTG 4			DCSES_CT40	HOOD	GAS	NORTH	1990	72.0
214 ECTOR COUNTY ENERGY CTG 1			ECEC_G1	ECTOR	GAS	WEST	2015	153.6
215 ECTOR COUNTY ENERGY CTG 2			ECEC_G2	ECTOR	GAS	WEST	2015	153.6
216 EXTEX LAPORTE GEN STN CTG 1			AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	42.0
217 EXTEX LAPORTE GEN STN CTG 2			AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	42.0
218 EXTEX LAPORTE GEN STN CTG 3			AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	42.0
219 EXTEX LAPORTE GEN STN CTG 4			AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	42.0
220 GREENS BAYOU CTG 73			GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	54.0
221 GREENS BAYOU CTG 74			GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	54.0
222 GREENS BAYOU CTG 81			GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	54.0
223 GREENS BAYOU CTG 82			GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	58.0
224 GREENS BAYOU CTG 83			GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	64.0
225 GREENS BAYOU CTG 84			GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	54.0
226 GREENVILLE IC ENGINE PLANT			STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.4
227 GREENVILLE IC ENGINE PLANT			STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.4
228 GREENVILLE IC ENGINE PLANT			STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.4
229 LAREDO CTG 4			LARDVFTN_G4	WEBB	GAS	SOUTH	2008	92.9
230 LAREDO CTG 5			LARDVFTN_G5	WEBB	GAS	SOUTH	2008	90.1
231 LEON CREEK PEAKER CTG 1			LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	48.0
232 LEON CREEK PEAKER CTG 2			LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	48.0
233 LEON CREEK PEAKER CTG 3			LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	48.0
234 LEON CREEK PEAKER CTG 4			LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	48.0
235 MORGAN CREEK CTG 1			MGSES_CT1	MITCHELL	GAS	WEST	1988	77.0
236 MORGAN CREEK CTG 2			MGSES_CT2	MITCHELL	GAS	WEST	1988	77.0

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION			FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE	COUNTY				
237 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	77.0
238 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	77.0
239 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	77.0
240 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	77.0
241 PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
242 PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
243 PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
244 PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
245 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	69.0
246 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	67.0
247 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	71.0
248 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	72.0
249 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	72.0
250 R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
251 R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
252 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
253 SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
254 SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
255 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	81.0
256 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	81.0
257 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
258 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
259 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
260 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
261 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
262 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
263 SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
264 T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
265 T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
266 T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
267 T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
268 T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
269 T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
270 T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
271 TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	89.0
272 V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
273 V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
274 V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
275 V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
276 W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
277 WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
278 WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
279 WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
280 WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
281 B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
282 CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
283 CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
284 DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
285 DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
286 DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	428.0
287 GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
288 GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
289 GREENS BAYOU STG U5		GBY_GBY_5	HARRIS	GAS	HOUSTON	1973	371.0
290 HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
291 HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
292 HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
293 LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
294 LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
295 MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
296 MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
297 MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
298 O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
299 O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
300 PEARSALL STG U1		PEARSALL_PEAR_S_1	FRIO	GAS	SOUTH	1961	20.0
301 PEARSALL STG U2		PEARSALL_PEAR_S_2	FRIO	GAS	SOUTH	1961	23.0
302 PEARSALL STG U3		PEARSALL_PEAR_S_3	FRIO	GAS	SOUTH	1961	21.0
303 POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	20.0
304 POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	26.0
305 POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	41.0
306 R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
307 R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
308 R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
309 RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
310 RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
311 RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
312 SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
313 SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	133.0
314 SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION			FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE	COUNTY				
315 SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	61.0
316 SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
317 STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
318 STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
319 TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
320 V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	220.0
321 V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
322 V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
323 W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
324 W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
325 W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
326 W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	552.0
327 NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHE	BIOMASS	NORTH	2012	105.0
328 LUFKIN BIOMASS		LFBIO_UNIT1	ANGELINA	BIOMASS	NORTH	2012	45.0
329 BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
330 BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
331 FORT WORTH METHANE LFG		DG_RDMLM_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
332 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
333 MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
334 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
335 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
336 TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
337 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
338 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
339 VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
340 VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
341 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
342 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
343 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
344 WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
345 WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
346 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2012	0.0
347 Operational Capacity Total (Nuclear, Coal, Gas, Biomass)							67436.8
348							
349 Operational Resources (Hydro)							
350 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
351 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
352 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
353 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
354 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
355 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
356 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
357 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
358 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
359 FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
360 FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
361 FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
362 GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
363 GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
364 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
365 MARBLE FALLS HYDRO 1		MARBFA_MARBFA1	BURNET	HYDRO	SOUTH	1951	21.0
366 MARBLE FALLS HYDRO 2		MARBFA_MARBFA2	BURNET	HYDRO	SOUTH	1951	20.0
367 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
368 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
369 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
370 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
371 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
372 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
373 EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE	MAVERICK	HYDRO	SOUTH	2005	9.6
374 GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG	COMAL	HYDRO	SOUTH	1989	6.0
375 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	2031	4.8
376 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	2028	7.7
377 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	2028	3.6
378 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
379 Operational Capacity Total (Hydro)							555.1
380 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					421.8
381							
382 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					(194.0)
383 Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					67664.6
384							
385 Operational Resources (Switchable)							
386 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	178.0
387 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	180.0
388 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	307.0
389 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	178.0
390 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	180.0
391 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	307.0
392 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION			FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE	COUNTY				
393 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
394 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
395 TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
396 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
397 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
398 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
399 TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
400 FRONTERA GENERATION CTG 1		FRONTERA_FRONTG1	HIDALGO	GAS	SOUTH	1999	170.0
401 FRONTERA GENERATION CTG 2		FRONTERA_FRONTG2	HIDALGO	GAS	SOUTH	1999	170.0
402 FRONTERA GENERATION STG		FRONTERA_FRONTG3	HIDALGO	GAS	SOUTH	2000	184.0
403 Switchable Capacity Total							3702.0
404							
405 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL		GAS			(300.0)
406							
407 Available Mothball Capacity based on Seasonal Schedule or Return Probability		MOTH_AVAIL		COAL			0.0
408							
409 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			4433.0
410 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST					8.0
411							
412 Operational Resources (Wind)							
413 ANACACHO WIND	12INR0072	ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
414 BARTON CHAPEL WIND	06INR0021	BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
415 BLUE SUMMIT WIND 5	12 INR0075	BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
416 BLUE SUMMIT WIND 6	12 INR0075	BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
417 BOBCAT BLUFF WIND	08INR0049	BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
418 BRISCOE WIND	14INR0072	BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
419 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
420 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
421 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
422 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
423 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
424 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
425 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
426 CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
427 CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
428 CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
429 CAPRICORN RIDGE WIND 2		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
430 CAPRICORN RIDGE WIND 3		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
431 CAPRICORN RIDGE WIND 4		CAPRIDG4_CR4	COKE	WIND	WEST	2008	112.5
432 CEDRO HILL WIND 1	09INR0082	CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
433 CEDRO HILL WIND 2	09INR0082	CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
434 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
435 DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
436 DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
437 ELBOW CREEK WIND	GIR 08INR0053	ELB_ELB_CREEK	HOWARD	WIND	WEST	2008	118.7
438 FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
439 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
440 GOAT WIND 2		GOAT_GOATWIND2	STERLING	WIND	WEST	2010	69.6
441 GOLDTHWAITE WIND 1	11INR0013	GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
442 GRANDVIEW WIND 1 (CONWAY) GV1A	13INR0005	GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
443 GRANDVIEW WIND 1 (CONWAY) GV1B	13INR0005	GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
444 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
445 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
446 GREEN PASTURES WIND I	12INR0070	GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
447 GREEN PASTURES WIND 2	12INR0070	GPASTURE_WIND_II	BAYLOR	WIND	WEST	2015	150.0
448 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
449 HEREFORD WIND G	13INR0059a	HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
450 HEREFORD WIND V	13INR0059a	HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
451 HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
452 HORSE HOLLOW WIND 2		HHOLLOW2_WIND1	TAYLOR	WIND	WEST	2006	158.0
453 HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	208.0
454 HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	108.0
455 INADALE WIND	09INR0017	INDL_INADALE1	NOLAN	WIND	WEST	2008	196.6
456 INDIAN MESA WIND		INDNNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
457 JAVELINA WIND 18	13INR0055	BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
458 JAVELINA WIND 20	13INR0055	BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
459 JUMBO ROAD WIND 1	13INR0059b	HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
460 JUMBO ROAD WIND 2	13INR0059b	HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
461 KEECHI WIND 138 KV JOPLIN	14INR0049_2	KEECHI_U1	JACK	WIND	NORTH	2015	110.0
462 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
463 KING MOUNTAIN WIND (NW)	00INR0025	KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
464 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
465 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
466 LANGFORD WIND POWER	10INR0026	LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
467 LOGANS GAP WIND I U1	13INR0050	LGW_UNIT1	COMANCHE	WIND	NORTH	2015	103.8
468 LOGANS GAP WIND I U2	13INR0050	LGW_UNIT2	COMANCHE	WIND	NORTH	2015	106.3
469 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
470 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0

Unit Capacities - Spring

UNIT NAME		GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
471	LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
472	LONGHORN WIND NORTH U1	14INR0023	LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
473	LONGHORN WIND NORTH U2	14INR0023	LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
474	LORAIN WINDPARK I	09INR0047	LONEWOLF_G1	MITCHELL	WIND	WEST	2009	49.5
475	LORAIN WINDPARK II	09INR0047	LONEWOLF_G2	MITCHELL	WIND	WEST	2009	51.0
476	LORAIN WINDPARK III	09INR0047	LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
477	LORAIN WINDPARK IV	09INR0047	LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
478	LOS VIENTOS III WIND	13INR0052	LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
479	MESQUITE CREEK WIND 1	09INR0051	MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
480	MESQUITE CREEK WIND 2	09INR0051	MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
481	MIAMI WIND G1	14INR0012a	MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
482	MIAMI WIND G2	14INR0012a	MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
483	MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
484	NOTREES WIND 1	07INR0005	NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
485	NOTREES WIND 2	07INR0005	NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
486	OCOTILLO WIND	04INR0017	OWF_OWF	HOWARD	WIND	WEST	2008	58.8
487	PANHANDLE WIND 1 U1	14INR0030a2	PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
488	PANHANDLE WIND 1 U2	14INR0030a2	PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
489	PANHANDLE WIND 2 U1	14INR0030b	PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
490	PANHANDLE WIND 2 U2	14INR0030b	PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
491	PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
492	PANTHER CREEK WIND 2	08INR0037	PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
493	PANTHER CREEK WIND 3	11INR0015	PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
494	PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWR	PECOS	WIND	WEST	2001	82.5
495	PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWR	PECOS	WIND	WEST	2001	77.2
496	PYRON WIND	09INR0017	PYR_PYRON1	SCURRY	WIND	WEST	2008	249.0
497	RATTLESNAKE DEN WIND PHASE 1 G1	13INR0020a	RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
498	RATTLESNAKE DEN WIND PHASE 1 G2	13INR0020a	RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
499	RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
500	ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	209.0
501	ROUTE 66 WIND	14INR0032a	ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
502	SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
503	SENDERO WIND ENERGY	12INR0068	EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
504	SENATE WIND	08INR0012	SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
505	SHANNON WIND	11INR0079a	SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
506	SHERBINO 1 WIND	06INR0012	KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
507	SHERBINO 2 WIND	06INR0012	KEO_SHRBINO2	PECOS	WIND	WEST	2011	147.5
508	SILVER STAR WIND	03INR0034	FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
509	SNYDER WIND		ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
510	SOUTH PLAINS WIND I	14INR0025a	SPLAIN1_WIND1	FLOYD	WIND	WEST	2015	102.0
511	SOUTH PLAINS WIND 2	14INR0025a	SPLAIN1_WIND2	FLOYD	WIND	WEST	2015	98.0
512	SOUTH TRENT WIND	07INR0029	STWF_T1	NOLAN	WIND	WEST	2008	98.2
513	SPINNING SPUR WIND TWO	13INR0048	SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
514	SPINNING SPUR 3 [WIND 1]	14INR0053	SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
515	SPINNING SPUR 3 [WIND 2]	14INR0053	SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
516	STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
517	STEPHENS RANCH WIND 1	12INR0034a	SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
518	STEPHENS RANCH WIND 2	12INR0034b	SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
519	SWEETWATER WIND 1		SWEETWIND_WND1	NOLAN	WIND	WEST	2003	36.6
520	SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	15.9
521	SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	97.5
522	SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	28.5
523	SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	100.5
524	SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	79.2
525	SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	103.7
526	SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	117.8
527	TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
528	TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
529	TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
530	TRINITY HILLS WIND 1	08INR0062	TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
531	TRINITY HILLS WIND 2	08INR0062	TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
532	TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
533	WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
534	WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
535	WHITETAIL WIND	11INR0091	EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	91.0
536	WINDTHORST 2 WIND	13INR0057	WNDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
537	WKN MOZART WIND	09INR0061	MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
538	WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
539	TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
540	WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
541	Operational Wind Capacity Sub-total (Non-Coastal Counties)							14085.0
542	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				18.0
543								
544	CAMERON COUNTY WIND	11INR0057	CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2015	165.0
545	GULF WIND I	05INR0015a	TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
546	GULF WIND II	05INR0015a	TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
547	LOS VIENTOS WIND I	11INR0033	LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
548	LOS VIENTOS WIND II	11INR0033	LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION			FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE	COUNTY				
549 MAGIC VALLEY WIND (REDFISH) 1A	10INR0060	REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
550 MAGIC VALLEY WIND (REDFISH) 1B	10INR0060	REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
551 PAPALOTE CREEK WIND	08INR0012	PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
552 PAPALOTE CREEK WIND II	08INR0012b	COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
553 PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
554 PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
555 PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
556 HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
557 Operational Wind Capacity Sub-total (Coastal Counties)							1845.4
558 Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				37.0
559							
560 Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					15930.4
561							
562 Operational Resources (Solar)							
563 ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
564 FS BARILLA SOLAR-PECOS	12INR0059	HOVEY_UNIT1	PECOS	SOLAR	WEST	2014	22.0
565 OCI ALAMO 1 SOLAR	13INR0058	OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
566 OCI ALAMO 4 SOLAR-BRACKETVILLE	14INR0024	ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
567 OCI ALAMO 5 (DOWNIE RANCH)	15INR0036	HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
568 WEBBERVILLE SOLAR	10INR0082	WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
569 BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
570 BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
571 OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
572 OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
573 RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
574 SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
575 SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
576 SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
577 SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
578 Operational Capacity Total (Solar)							287.7
579 Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				58.0
580							
581 Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT		GAS			0.0
582							
583 Non-Synchronous Tie Resources							
584 EAST TIE		DC_E	FANNIN		NORTH		600.0
585 NORTH TIE		DC_N	WILBARGER		WEST		220.0
586 EAGLE PASS TIE		DC_S	MAVERICK		SOUTH		30.0
587 LAREDO VFT TIE		DC_L	WEBB		SOUTH		100.0
588 SHARYLAND RAILROAD TIE		DC_R	HIDALGO		SOUTH		150.0
589 SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO		SOUTH		150.0
590 Non-Synchronous Ties Total							1250.0
591 Non-Synchronous Ties Capacity Contribution (Top 20 Hours)		DCTIE_CAP_CONT		OTHER			371.4
592							
593 Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Water Rights							
594 Colorado Bend III	17INR0007		WHARTON	GAS	SOUTH	2017	0.0
595 TEXAS CLEAN ENERGY PROJECT	13INR0023		ECTOR	COAL	WEST	2019	0.0
596 FGE TEXAS I PROJECT	16INR0010		MITCHELL	GAS	WEST	2018	0.0
597 ANTELOPE 1-3 IC & ELK CTG 1 (SWITCHABLE)	13INR0028		HALE	GAS	PANHANDLE	2016	0.0
598 LA PALOMA ENERGY CENTER PROJECT	16INR0004		CAMERON	GAS	COASTAL	2018	0.0
599 PHR PEAKERS [BAC_CTG1-6]	14INR0038		GALVESTON	GAS	HOUSTON	2016	0.0
600 SKY GLOBAL POWER ONE	16INR0057		COLORADO	GAS	SOUTH	2016	0.0
601 INDECK WHARTON ENERGY CENTER PROJECT	15INR0023		WHARTON	GAS	SOUTH	2017	0.0
602 PINECREST ENERGY CENTER PROJECT	16INR0006		ANGELINA	GAS	NORTH	2017	0.0
603 RED GATE IC PLANT [REDGATE_AGR_A-D]	14INR0040		HIDALGO	GAS	SOUTH	2016	0.0
604 ELK STATION CTG 2 (SWITCHABLE)	15INR0032		HALE	GAS	PANHANDLE	2016	0.0
605 ELK STATION CTG 3	15INR0033		HALE	GAS	PANHANDLE	2016	0.0
606 WOLF HOLLOW 2	17INR0009		HOOD	GAS	NORTH	2017	0.0
607 FRIENDSWOOD G	13INR0049		HARRIS	GAS	HOUSTON	2017	0.0
608 BETHEL CAES PROJECT	15INR0013		ANDERSON	STORAGE	NORTH	2018	0.0
609 Planned Capacity Total (Coal, Gas & Storage)							0.0
610							
611 Planned Wind Resources with Executed SGIA							
612 ALBERCAS WIND	15INR0049		ZAPATA	WIND	SOUTH	2016	0.0
613 GUNSIGHT MOUNTAIN WIND	08INR0018		HOWARD	WIND	WEST	2016	0.0
614 BAFFIN WIND [BAFFIN_UNIT1-2]	06INR0022c		KENEDY	WIND-C	COASTAL	2016	202.0
615 MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2016	0.0
616 LONGHORN WIND SOUTH	14INR0023b		BRISCOE	WIND	PANHANDLE	2016	0.0
617 MARIAH WIND A	13INR0010a		PARMER	WIND	PANHANDLE	2017	0.0
618 MARIAH WIND B	13INR0010b		PARMER	WIND	PANHANDLE	2016	0.0
619 MIAMI WIND 1B	14INR0012b		GRAY	WIND	PANHANDLE	2016	0.0
620 RATTLESNAKE DEN WIND 2	13INR0020b		GLASSCOCK	WIND	WEST	2017	0.0
621 PATRIOT WIND (PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2016	0.0
622 COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	2016	0.0
623 PAMPA WIND	12INR0018		GRAY	WIND	PANHANDLE	2017	0.0
624 SOUTH PLAINS WIND II	14INR0025b		FLOYD	WIND	PANHANDLE	2016	0.0
625 SOUTH PLAINS WIND III	14INR0025c		FLOYD	WIND	PANHANDLE	2016	0.0
626 WAKE WIND	14INR0047		DICKENS	WIND	PANHANDLE	2016	0.0

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION		COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE					
627 DOUG COLBECK'S CORNER (CONWAY)	13INR0005b		CARSON	WIND	PANHANDLE	2016	0.0
628 GRANDVIEW WIND 3 (CONWAY)	13INR0005c		CARSON	WIND	PANHANDLE	2016	0.0
629 SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2017	0.0
630 PULLMAN ROAD WIND	15INR0079		RANDALL	WIND	PANHANDLE	2016	0.0
631 PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2016	0.0
632 SALT FORK WIND	14INR0062		GRAY	WIND	PANHANDLE	2016	0.0
633 LOS VIENTOS IV WIND	15INR0037		STARR	WIND	SOUTH	2016	0.0
634 LOS VIENTOS V WIND [LV5_UNIT_1]	15INR0021		STARR	WIND	SOUTH	2016	110.0
635 PALO DURO WIND	15INR0050		DEAF SMITH	WIND	PANHANDLE	2016	0.0
636 CAPROCK WIND	10INR0009		CASTRO	WIND	PANHANDLE	2017	0.0
637 SAN ROMAN WIND	14INR0013		CAMERON	WIND-C	COASTAL	2016	0.0
638 TORRECILLAS WIND A	14INR0045a		WEBB	WIND	SOUTH	2016	0.0
639 TORRECILLAS WIND B	14INR0045b		WEBB	WIND	SOUTH	2016	0.0
640 CHANGING WINDS	13INR0045		CASTRO	WIND	PANHANDLE	2017	0.0
641 ELECTRA WIND	16INR0062		WILBARGER	WIND	WEST	2016	0.0
642 HORSE CREEK WIND	14INR0060		HASKELL	WIND	WEST	2016	0.0
643 WILLOW SPRINGS WIND	14INR0060b		HASKELL	WIND	WEST	2016	0.0
644 MUESTER WIND	15INR0085		COOKE	WIND	NORTH	2016	0.0
645 HAPPY WHITEFACE WIND	15INR0074		DEAF SMITH	WIND	PANHANDLE	2016	0.0
646 CHAPMAN RANCH WIND I	16INR0055		NUECES	WIND-C	COASTAL	2016	0.0
647 HIDALGO & STARR WIND	16INR0024		HIDALGO	WIND	SOUTH	2016	0.0
648 BLANCO CANYON WIND (COTTON PLAINS)	16INR0037		FLOYD	WIND	PANHANDLE	2016	0.0
649 BLANCO CANYON WIND (OLD SETTLER)	16INR0037b		FLOYD	WIND	PANHANDLE	2016	0.0
650 ROCK SPRINGS VAL VERDE WIND	11INR0082a		VAL VERDE	WIND	WEST	2016	0.0
651 MAGIC VALLEY WIND II (REDFISH 2A)	14INR0041a		WILLACY	WIND-C	COASTAL	2017	0.0
652 SALT FORK WIND 2	16INR0082		CARSON	WIND	PANHANDLE	2016	0.0
653 SANTA RITA WIND	16INR0091		REAGAN	WIND	WEST	2016	0.0
654 SWISHER WIND	13INR0038		SWISHER	WIND	PANHANDLE	2016	0.0
655 BUCKTHORN WIND 1	14INR0057		ERATH	WIND	NORTH	2016	0.0
656 FLUVANNA RENEWABLE 1	13INR0056		SCURRY	WIND	WEST	2017	0.0
657 RTS WIND	16INR0087		MCCULLOCH	WIND	SOUTH	2016	0.0
658 Planned Capacity Total (Wind)							312.0
659							
660 Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					110.0
661 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC %					18.0
662							
663 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					202.0
664 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C %					37.0
665							
666 Planned Solar Resources with Executed SGIA							
667 FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2016	7.4
668 FS BARILLA SOLAR 2	12INR0059c		PECOS	SOLAR	WEST	2016	0.0
669 RE ROSEROCK SOLAR	16INR0048		PECOS	SOLAR	WEST	2016	0.0
670 OCI ALAMO 6 (WEST TEXAS)	15INR0070_1		PECOS	SOLAR	WEST	2016	0.0
671 OCI ALAMO 6 (WEST TEXAS PHASE II)	15INR0070_1b		PECOS	SOLAR	WEST	2016	0.0
672 SE BUCKTHORN WESTEX SOLAR (RIGGINS SOLAR)	15INR0045		PECOS	SOLAR	WEST	2016	0.0
673 FS EAST PECOS SOLAR	16INR0073		PECOS	SOLAR	WEST	2016	0.0
674 OCI ALAMO 7 (PAINT CREEK)	16INR0052		HASKELL	SOLAR	WEST	2016	0.0
675 LC NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2016	0.0
676 PECOS SOLAR POWER I	15INR0059		PECOS	SOLAR	WEST	2017	0.0
677 BNB LAMESA SOLAR	16INR0023		DAWSON	SOLAR	WEST	2016	0.0
678 CAPRICORN RIDGE SOLAR	16INR0019		COKE	SOLAR	WEST	2016	0.0
679 UPCO POWER 1 (SP-TX-12)	16INR0065		UPTON	SOLAR	WEST	2016	0.0
680 SP-TX-12-PHASE B	16INR0065B		UPTON	SOLAR	WEST	2016	0.0
681 SOLAIREHOLMAN 1	15INR0061		BREWSTER	SOLAR	WEST	2016	0.0
682 Upton Solar	16INR0114		UPTON	SOLAR	WEST	2017	0.0
683 Planned Capacity Total (Solar)							7.4
684 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT %					58.0
685							
686 Seasonal Mothballed Resources							
687 MARTIN LAKE U2 (AS OF 10/1/2015)		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
688 Total Seasonal Mothballed Capacity							820.0
689							
690 Mothballed Resources							
691 J T DEELY U1 (MOTHBALLED)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	2018	-
692 J T DEELY U2 (MOTHBALLED)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	2018	-
693 SILAS RAY CTG 5 (RETIRES 3/5/2016)		SILASRAY_SILAS_5	CAMERON	GAS	COASTAL	1953	10.0
694 S R BERTRON CTG 2		SRB_SRBGT_2	HARRIS	GAS	HOUSTON	1967	13.0
695 S R BERTRON U1		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	118.0
696 S R BERTRON U2		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	174.0
697 S R BERTRON U3		SRB_SRB_G3	HARRIS	GAS	HOUSTON	1959	211.0
698 S R BERTRON U4		SRB_SRB_G4	HARRIS	GAS	HOUSTON	1960	211.0
699 W A PARISH - PETRA NOVA CTG (AS OF 5/19/2016)		PNPI_GT2	FORT BEND	GAS	HOUSTON	2013	80.0
700 Total Mothballed Capacity							817.0

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.