

**PRELIMINARY**  
**Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)**  
**Spring 2019**

**SUMMARY**

The ERCOT Region is expected to have sufficient installed generating capacity to serve forecasted peak demands in the upcoming spring season (March - May 2019). ERCOT's scenario analysis also indicates that there will be sufficient capacity even if there is a combination of extreme peak loads and outages.

This preliminary SARA report reflects a spring 2019 peak forecast of 61,566 MW based on current expectations for average weather. A total of 2,262 MW of new nameplate capacity is also expected to be available at the start of the spring season. This capacity total translates into 1,139 MW expected to be available during spring peak load hours, with wind contributing 638 MW, gas-fired units contributing 326 MW, and solar contributing 175 MW.

The report also includes a forecast of 10,564 MW of unit outages based on historical outage data from the past three spring seasons (starting with 2016), 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.

**Seasonal Assessment of Resource Adequacy for the ERCOT Region**  
**Spring 2019 - Preliminary**  
**Release Date: November 1, 2018**

**Forecasted Capacity and Demand**

Operational Resources (thermal and hydro), MW	66,102	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,736	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
less Switchable Capacity Unavailable to ERCOT, MW	-858	Based on survey responses of Switchable Resource owners
Available Mothball Resources, MW	0	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	3,025	Average capability of the top 20 hours in the spring peak seasons for the past three years (2015-2018)
Non-Coastal Wind Resources Capacity Contribution, MW	5,676	Based on 30% of installed capacity for non-coastal wind resources (spring season) per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	1,781	Based on 68% of installed capacity for coastal wind resources (spring season) per ERCOT Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	966	Based on 65% of rated capacity for solar resources (spring season) per Nodal Protocols Section 3.2.6.2.2
RMR Resources to be under Contract, MW	0	
Capacity Pending Retirement, MW	0	Announced retired capacity that is undergoing ERCOT grid reliability reviews pursuant to Nodal Protocol Section 3.14.1.2
Non-Synchronous Ties Capacity Contribution, MW	261	Average net flows for the top 20 hours in the spring peak seasons for the past three years (2015-2018)
Planned Thermal Resources with Signed IA, Air Permits and Adeq. Water Supplies, MW	326	Based on in-service dates provided by developers of generation resources
Planned Non-Coastal Wind with signed IA, MW	391	Based on in-service dates provided by developers and 30% spring capacity contribution for non-coastal wind resources
Planned Coastal Wind with signed IA, MW	247	Based on in-service dates provided by developers and 68% spring capacity contribution for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	175	Based on in-service dates provided by developers and a spring capacity contribution of 65% for solar resources
[a] Total Resources, MW	81,828	
[b] Peak Demand, MW	61,566	May peak forecast is based on average weather conditions at time of peak from 2002 – 2016
[c] Reserve Capacity [a - b], MW	20,262	

**Range of Potential Risks**

	Forecasted Season Peak Load (May)	Extreme Generation Outages During Peak Maintenance Season (March-April)	Extreme Generation Outages During Peak Maintenance Season (March-April) and Extreme Peak Load (April)	
Seasonal Load Adjustment	-	(7,860)	(779)	April peak forecast is 53,706 MW, and the extreme peak forecast is 60,787 MW; adjustments reflect April peak forecast for average and 90th percentile weather conditions.
Typical May Maintenance Outages, Thermal	6,024	6,024	6,024	Based on historical average of planned maintenance outages for May weekdays
Typical May Forced Outages, Thermal	4,540	4,540	4,540	Based on historical average of forced outages for May weekdays
Incremental Unit Outages to Reflect April Peak Maintenance Season, Thermal	-	7,888	7,888	Incremental outages based on historical average of forced and planned maintenance outages for April weekdays, hours ending 3 pm - 8 pm (starting with spring 2016)
[d] Total Uses of Reserve Capacity	10,564	10,592	17,673	
[e] Capacity Available for Operating Reserves (c-d), MW Less than 2,300 MW indicates risk of EEA1	9,698	9,670	2,589	

# Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
<b>Operational Resources (Thermal)</b>							
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	1,310.0
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,310.0
8 COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	655.0
9 FAYETTE POWER U1		FPYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	608.0
10 FAYETTE POWER U2		FPYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	608.0
11 FAYETTE POWER U3		FPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	448.0
12 J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1992	560.0
13 J K SPRUCE U2		CALAVERS_JKS2	BEXAR	COAL	SOUTH	2010	785.0
14 J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1977	-
15 J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1978	-
16 LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	824.0
17 LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	836.0
18 MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	815.0
19 MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
20 MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	820.0
21 OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	840.0
22 OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	825.0
23 OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
24 SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
25 SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	945.0
26 TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	155.0
27 TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	155.0
28 W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	664.0
29 W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	663.0
30 W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
31 W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
32 ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	157.0
33 ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	157.0
34 ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	160.0
35 BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	161.0
36 BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	161.0
37 BARNEY M DAVIS REPOWER STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	322.0
38 BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	157.0
39 BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	157.0
40 BASTROP ENERGY CENTER STG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	236.0
41 BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	161.8
42 BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	83.6
43 BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	161.8
44 BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	160.6
45 BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	222.4
46 BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	169.0
47 BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	169.0
48 BRAZOS VALLEY STG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
49 CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	77.0
50 CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.0
51 CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	71.0
52 CALHOUN (PORT COMFORT) 1		CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	46.7
53 CALHOUN (PORT COMFORT) 2		CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	46.7
54 CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	168.0
55 CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	168.0
56 CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	182.0
57 COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	74.0
58 COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	67.0
59 COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	100.0
60 COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	73.0
61 COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	68.0
62 COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	105.0
63 COLORADO BEND II CT7		CBECII_CT7	WHARTON	GAS	SOUTH	2007	347.8
64 COLORADO BEND II CT8		CBECII_CT8	WHARTON	GAS	SOUTH	2017	346.8
65 COLORADO BEND II ST8		CBECII_STG9	WHARTON	GAS	SOUTH	2017	433.4
66 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	181.0
67 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	178.0
68 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	178.0
69 CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	144.0
70 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	190.0
71 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	202.0
72 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	190.0
73 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	202.0
74 DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
75 DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	174.0
76 ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	209.0
77 ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	116.0
78 FERGUSON REPLACEMENT CTG1		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	176.0
79 FERGUSON REPLACEMENT CTG2		FERGCC_FERGST2	LLANO	GAS	SOUTH	2014	176.0
80 FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	189.0
81 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	167.0
82 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	159.0
83 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	159.0
84 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	167.0
85 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	159.0
86 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	159.0
87 FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	408.0
88 FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	408.0
89 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	156.2
90 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	156.2
91 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	178.0
92 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	156.5
93 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	156.5
94 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	177.1
95 GREGORY POWER PARTNERS GT1		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	152.0
96 GREGORY POWER PARTNERS GT2		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	151.0
97 GREGORY POWER PARTNERS STG		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
98 GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	158.0
99 GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	158.0
100 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	158.0
101 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	158.0
102 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	200.0
103 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	200.0
104 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	213.0
105 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	214.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
106 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	213.0
107 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	216.0
108 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	143.0
109 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	143.0
110 HIDALGO ENERGY CENTER CTG 3		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	172.0
111 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	150.0
112 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	150.0
113 JACK COUNTY GEN FACILITY CTG 3		JACKCNTY_CT3	JACK	GAS	NORTH	2006	285.0
114 JACK COUNTY GEN FACILITY CTG 4		JACKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
115 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY2_ST2	JACK	GAS	NORTH	2011	150.0
116 JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
117 JOHNSON COUNTY GEN FACILITY CTG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
118 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	161.0
119 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	153.0
120 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	153.0
121 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	161.0
122 LAMAR ENERGY CENTER CTG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
123 LAMAR ENERGY CENTER CTG 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 CTG 3		LOSTPI_LOSTPGT3	BASTROP	GAS	SOUTH	2001	192.0
127 LOST PINES POWER CTG 4		LOSTPI_LOSTPGT4	BASTROP	GAS	SOUTH	2001	192.0
128 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	213.6
129 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	213.6
130 MAGIC VALLEY STATION CTG 3		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	255.5
131 MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	232.0
132 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	230.0
133 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	229.0
134 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	232.0
135 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	244.0
136 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	246.0
137 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	161.0
138 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	161.0
139 NUECES BAY REPOWER CTG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	322.0
140 ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	156.3
141 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	149.9
142 ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	152.4
143 ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	150.7
144 ODESSA-ECTOR POWER CTG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	207.2
145 ODESSA-ECTOR POWER CTG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	207.2
146 PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
147 PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
148 PANDA SHERMAN POWER CTG 3		PANDA_S_SHER1CT3	GRAYSON	GAS	NORTH	2014	353.1
149 PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
150 PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
151 PANDA TEMPLE I POWER CTG 3		PANDA_T1_TMPL1CT3	BELL	GAS	NORTH	2014	353.1
152 PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
153 PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
154 PANDA TEMPLE II POWER CTG 3		PANDA_T2_TMPL2CT3	BELL	GAS	NORTH	2015	353.1
155 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	86.0
156 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	86.0
157 PARIS ENERGY CENTER CTG 3		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
158 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	170.0
159 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	170.0
160 PASADENA COGEN FACILITY CTG 4		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	168.0
161 QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	80.0
162 QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	80.0
163 QUAIL RUN ENERGY CTG 3		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
164 QUAIL RUN ENERGY CTG 4		QALSW_GT3	ECTOR	GAS	WEST	2008	80.0
165 QUAIL RUN ENERGY CTG 5		QALSW_GT4	ECTOR	GAS	WEST	2008	80.0
166 QUAIL RUN ENERGY CTG 6		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
167 RIO NOGALES POWER CTG 1		RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	162.0
168 RIO NOGALES POWER CTG 2		RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	162.0
169 RIO NOGALES POWER CTG 3		RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	162.0
170 RIO NOGALES POWER CTG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
171 SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
172 SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
173 SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
174 SAM RAYBURN POWER CTG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
175 SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	160.0
176 SANDHILL ENERGY CENTER CTG 5B		SANDHSYD_SH_5B	TRAVIS	GAS	SOUTH	2004	150.0
177 SILAS RAY POWER CTG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
178 SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	40.0
179 T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	56.0
180 T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	56.0
181 T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	56.0
182 T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	56.0
183 T H WHARTON POWER CTG 35		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	109.0
184 T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	56.0
185 T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	56.0
186 T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	56.0
187 T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	56.0
188 T H WHARTON POWER CTG 45		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	109.0
189 TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	100.6
190 TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	100.6
191 TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	100.6
192 TEXAS CITY POWER CTG D		TXCTY_CTD	GALVESTON	GAS	HOUSTON	2000	131.5
193 VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
194 VICTORIA POWER CTG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
195 WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
196 WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
197 WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
198 WICHITA FALLS CTG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
199 WISE-TRACTEBEL POWER CTG 1		WCPP_CT1	WISE	GAS	NORTH	2004	211.0
200 WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	206.0
201 WISE-TRACTEBEL POWER CTG 3		WCPP_ST1	WISE	GAS	NORTH	2004	273.0
202 WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	227.0
203 WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	227.0
204 WOLF HOLLOW POWER CTG 3		WHCCS_STG	HOOD	GAS	NORTH	2002	286.0
205 WOLF HOLLOW 2 CT5		WHCCS2_CT4	HOOD	GAS	NORTH	2017	309.1
206 WOLF HOLLOW 2 CT6		WHCCS2_CT5	HOOD	GAS	NORTH	2017	309.1
207 WOLF HOLLOW 2 CT7		WHCCS2_STG6	HOOD	GAS	NORTH	2017	459.0
208 ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
209 CASTLEMAN CHAMON 1		CHAMON_CG_0101	HARRIS	GAS	HOUSTON	2017	46.7
210 CASTLEMAN CHAMON 2		CHAMON_CG_0301	HARRIS	GAS	HOUSTON	2017	46.7
211 DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
212 DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
213 DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	50.0
214 DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	50.0
215 DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	50.0
216 DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	50.0
217 DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	71.0
218 DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	70.0
219 DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	70.0
220 DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	71.0
221 ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	153.6
222 ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	153.6
223 ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	195.0
224 EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	42.0
225 EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	42.0
226 EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	42.0
227 EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	42.0
228 GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	57.0
229 GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	57.0
230 GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	57.0
231 GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
232 GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	57.0
233 GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	57.0
234 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
235 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
236 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
237 LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	92.9
238 LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	90.1
239 LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
240 LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
241 LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
242 LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
243 MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	67.0
244 MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	66.0
245 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	66.0
246 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	67.0
247 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	68.0
248 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	68.0
249 DENTON ENERGY CENTER A		DEC_AGR_A	DENTON	GAS	NORTH	2018	56.5
250 DENTON ENERGY CENTER B		DEC_AGR_B	DENTON	GAS	NORTH	2018	56.5
251 DENTON ENERGY CENTER C		DEC_AGR_C	DENTON	GAS	NORTH	2018	56.5
252 DENTON ENERGY CENTER D		DEC_AGR_D	DENTON	GAS	NORTH	2018	56.5
253 PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
254 PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
255 PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
256 PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
257 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	64.0
258 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	64.0
259 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	64.0
260 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	64.0
261 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	65.0
262 PHR PEAKERS (BAC) CTG 1		BAC_CTG1	GALVESTON	GAS	HOUSTON	2018	61.0
263 PHR PEAKERS (BAC) CTG 2		BAC_CTG2	GALVESTON	GAS	HOUSTON	2018	62.0
264 PHR PEAKERS (BAC) CTG 3		BAC_CTG3	GALVESTON	GAS	HOUSTON	2018	52.0
265 PHR PEAKERS (BAC) CTG 4		BAC_CTG4	GALVESTON	GAS	HOUSTON	2018	56.0
266 PHR PEAKERS (BAC) CTG 5		BAC_CTG5	GALVESTON	GAS	HOUSTON	2018	56.0
267 PHR PEAKERS (BAC) CTG 6		BAC_CTG6	GALVESTON	GAS	HOUSTON	2018	54.0
268 REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
269 REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
270 REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
271 REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
272 R W MILLER CTG 4		ML_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
273 R W MILLER CTG 5		ML_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
274 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
275 SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
276 SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
277 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	81.0
278 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	81.0
279 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
280 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
281 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
282 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
283 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
284 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
285 SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
286 SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
287 SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
288 T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
289 T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
290 T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
291 T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
292 T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
293 T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
294 T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
295 TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	89.0
296 V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
297 V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
298 V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
299 V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
300 W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
301 WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
302 WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
303 WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
304 WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
305 B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
306 CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
307 CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
308 DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
309 DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
310 DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	428.0
311 GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
312 GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
313 HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
314 HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
315 HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
316 LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
317 LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
318 MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
319 MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
320 MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
321 O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
322 O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
323 POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	17.5
324 POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	23.5
325 POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	39.5
326 R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
327 R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
328 R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
329 RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
330 RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
331 RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
332 SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
333 SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	133.0
334 SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
335 STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
336 STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
337 TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
338 V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
339 V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
340 V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
341 W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
342 W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
343 W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
344 W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	536.0
345 NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
346 BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
347 BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
348 FORT WORTH METHANE LFG		DG_RDML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
349 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
350 MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
351 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
352 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
353 TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
354 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
355 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
356 VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
357 VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
358 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
359 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
360 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
361 WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
362 WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
363 FARMERS BRANCH LANDFILL GAS TO ENERGY		DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2
364 BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	30.0
365 INADALE ESS		INDL_ESS	NOLAN	STORAGE	WEST	2018	9.9
366 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2013	33.7
367 PYRON ESS		PYR_ESS	SCURRY	STORAGE	WEST	2018	9.9
368 OCI ALAMO 1		DG_OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	1.0
369 TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	STORAGE	WEST	2017	2.0
370 <b>Operational Capacity Total (Nuclear, Coal, Gas, Biomass less Battery Energy Storage)</b>							<b>66,016.2</b>
371							
372 <b>Operational Resources (Hydro)</b>							
373 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
374 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
375 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
376 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
377 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
378 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
379 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
380 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
381 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
382 FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
383 FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
384 FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
385 GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
386 GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
387 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
388 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
389 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
390 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
391 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
392 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
393 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
394 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
395 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
396 EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
397 GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
398 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
399 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUEE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
400 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
401 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
402 <b>Operational Capacity Total (Hydro)</b>							<b>555.1</b>
403 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					464.0
404							
405 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					(378.0)
406 Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					66,102.2
407							
408 <b>Operational Resources (Switchable)</b>							
409 ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	56.0
410 ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	56.0
411 ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	56.0
412 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	195.0
413 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	195.0
414 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	178.0
415 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	180.0
416 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	307.0
417 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	178.0
418 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	180.0
419 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	307.0
420 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
421 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
422 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
423 TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
424 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
425 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
426 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
427 TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
428 Switchable Capacity Total							3,736.0
429							
430 Switchable Capacity Unavailable to ERCOT							
431 ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56.0)
432 ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56.0)
433 ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56.0)
434 ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(195.0)
435 ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(195.0)
436 TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	FANNIN	GAS	NORTH	2016	(300.0)
437 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					(858.0)
438							
439 Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL					-
440							
441 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,176.0
442 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			(151.0)
443							
444 Operational Resources (Wind)							
445 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
446 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
447 BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
448 BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
449 BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2013	150.0
450 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
451 BUCKTHORN WIND 1 A		BUCKTHRN_UNIT1	ERATH	WIND	NORTH	2017	44.9
452 BUCKTHORN WIND 1 B		BUCKTHRN_UNIT2	ERATH	WIND	NORTH	2017	55.7
453 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
454 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
455 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
456 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
457 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
458 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
459 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
460 CAMP SPRINGS WIND 1		CSEC_CSEC1	SCURRY	WIND	WEST	2007	130.5
461 CAMP SPRINGS WIND 2		CSEC_CSEC2	SCURRY	WIND	WEST	2007	120.0
462 CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
463 CAPRICORN RIDGE WIND 2		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
464 CAPRICORN RIDGE WIND 3		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
465 CAPRICORN RIDGE WIND 4		CAPRIDGE_CR4	COKE	WIND	WEST	2008	112.5
466 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
467 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
468 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
469 COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD COUNTY	WIND	PANHANDLE	2017	50.4
470 DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
471 DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5
472 DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
473 DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
474 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
475 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
476 ELBOW CREEK WIND		ELB_ELBECREEK	HOWARD	WIND	WEST	2008	118.7
477 ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2017	98.9
478 ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2017	131.1
479 FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
480 FLAT TOP WIND I		FTWIND_UNIT_1	MILLS	WIND	NORTH	2018	200.0
481 FLUVANNA RENEWABLE 1 A		FLUVANNA_UNIT1	SCURRY	WIND	WEST	2017	79.8
482 FLUVANNA RENEWABLE 1 B		FLUVANNA_UNIT2	SCURRY	WIND	WEST	2017	75.6
483 FOREST CREEK WIND		MCDDL_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
484 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
485 GOAT WIND 2		GOAT_GOATWIND2	STERLING	WIND	WEST	2010	69.6
486 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
487 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
488 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
489 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
490 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
491 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
492 VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND	WEST	2015	150.0
493 GUNSIGHT MOUNTAIN WIND		GUNMNTN_G1	HOWARD	WIND	WEST	2016	119.9
494 HACKBERRY WIND		HWF_HWF1	SHACKELFORD	WIND	WEST	2008	163.5
495 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
496 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
497 HICKMAN (SANTA RITA WIND) 1		HICKMAN_G1	REGAN AND IRIOI	WIND	WEST	2018	152.5
498 HICKMAN (SANTA RITA WIND) 2		HICKMAN_G2	REGAN AND IRIOI	WIND	WEST	2018	147.5
499 HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
500 HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
501 HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
502 HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
503 HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
504 HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
505 HORSE HOLLOW WIND 2		HHOLLOW2_WND1	TAYLOR	WIND	WEST	2006	158.0
506 HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
507 HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
508 INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0
509 INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
510 INDIAN MESA WIND		INDNNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
511 JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
512 JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
513 JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
514 JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
515 JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
516 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
517 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
518 KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
519 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
520 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
521 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
522 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
523 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
524 LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	106.3
525 LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	103.8
526 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
527 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
528 LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
529 LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
530	LONGHORN WIND NORTH U2	LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
531	LORAIN WINDPARK I	LONEWOLF_G1	MITCHELL	WIND	WEST	2010	49.5
532	LORAIN WINDPARK II	LONEWOLF_G2	MITCHELL	WIND	WEST	2010	51.0
533	LORAIN WINDPARK III	LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
534	LORAIN WINDPARK IV	LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
535	LOS VIENTOS III WIND	LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
536	LOS VIENTOS IV WIND	LV4_UNIT_1	STARR	WIND	SOUTH	2016	200.0
537	LOS VIENTOS V WIND	LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
538	MARIAH DEL NORTE 1	MARIAH_NORTE1	PARMER	WIND	PANHANDLE	2017	115.2
539	MARIAH DEL NORTE 2	MARIAH_NORTE2	PARMER	WIND	PANHANDLE	2017	115.2
540	MESQUITE CREEK WIND 1	MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
541	MESQUITE CREEK WIND 2	MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
542	MIAMI WIND G1	MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
543	MIAMI WIND G2	MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
544	MCADOO WIND	MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
545	NIELS BOHR WIND A (BEARKAT WIND A)	NBOHR_UNIT1	GLASSCOCK	WIND	WEST	2018	196.6
546	NOTREES WIND 1	NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
547	NOTREES WIND 2	NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
548	OCOTILLO WIND	OWF_OWF	HOWARD	WIND	WEST	2008	58.8
549	OLD SETTLER WIND	COTPLNS_OLDSETLR	FLOYD COUNTY	WIND	PANHANDLE	2017	151.2
550	PANHANDLE WIND 1 U1	PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
551	PANHANDLE WIND 1 U2	PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
552	PANHANDLE WIND 2 U1	PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
553	PANHANDLE WIND 2 U2	PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
554	PANTHER CREEK WIND 1	PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
555	PANTHER CREEK WIND 2	PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
556	PANTHER CREEK WIND 3	PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
557	PECOS WIND 1 (WOODWARD)	WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	82.5
558	PECOS WIND 2 (WOODWARD)	WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	77.2
559	PYRON WIND 1	PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
560	PYRON WIND 2	PYR_PYRON2	SCURRY AND FIS	WIND	WEST	2008	127.5
561	RATTLESNAKE DEN WIND PHASE 1 G1	RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
562	RATTLESNAKE DEN WIND PHASE 1 G2	RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
563	RED CANYON WIND	RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
564	ROCK SPRINGS VAL VERDE WIND (FERMI) 1	FERMI_WIND1	VAL VERDE	WIND	WEST	2017	121.9
565	ROCK SPRINGS VAL VERDE WIND (FERMI) 2	FERMI_WIND2	VAL VERDE	WIND	WEST	2017	27.4
566	ROSCOE WIND	TWWSW1_ROSCOE	NOLAN	WIND	WEST	2008	114.0
567	ROSCOE WIND 2A	TWWSW1_ROSCOE2A	NOLAN	WIND	WEST	2008	95.0
568	ROUTE 66 WIND	ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
569	RTS WIND	RTS_U1	MCCULLOCH	WIND	SOUTH	2018	160.0
570	SALT FORK 1 WIND 1	SALTFORK_UNIT1	DONLEY	WIND	PANHANDLE	2017	64.0
571	SALT FORK 1 WIND 2	SALTFORK_UNIT2	DONLEY	WIND	PANHANDLE	2017	110.0
572	SAND BLUFF WIND	MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
573	SENDERO WIND ENERGY	EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
574	SENATE WIND	SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
575	SHANNON WIND	SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
576	SHERBINO 1 WIND	KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
577	SHERBINO 2 WIND	KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0
578	SILVER STAR WIND	FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
579	SNYDER WIND	ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
580	SOUTH PLAINS WIND I	SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
581	SOUTH PLAINS WIND 2	SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
582	SOUTH PLAINS WIND II A	SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
583	SOUTH PLAINS WIND II B	SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
584	SOUTH TRENT WIND	STWF_T1	NOLAN	WIND	WEST	2008	98.2
585	SPINNING SPUR WIND TWO	SSPURTW0_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
586	SPINNING SPUR 3 [WIND 1]	SSPURTW0_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
587	SPINNING SPUR 3 [WIND 2]	SSPURTW0_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
588	STANTON WIND ENERGY	SWEC_G1	MARTIN	WIND	WEST	2008	120.0
589	STEPHENS RANCH WIND 1	SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
590	STEPHENS RANCH WIND 2	SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
591	SWEETWATER WIND 1	SWEETWND_WND1	NOLAN	WIND	WEST	2003	42.5
592	SWEETWATER WIND 2A	SWEETWN2_WND24	NOLAN	WIND	WEST	2006	16.8
593	SWEETWATER WIND 2B	SWEETWN2_WND2	NOLAN	WIND	WEST	2004	103.8
594	SWEETWATER WIND 3A	SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	34.0
595	SWEETWATER WIND 3B	SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	117.0
596	SWEETWATER WIND 4-5	SWEETWN4_WND5	NOLAN	WIND	WEST	2007	85.0
597	SWEETWATER WIND 4-4B	SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	112.0
598	SWEETWATER WIND 4-4A	SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	125.0
599	TEXAS BIG SPRING WIND a	SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
600	TEXAS BIG SPRING WIND b	SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
601	TRENT WIND	TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
602	TRINITY HILLS WIND 1	TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
603	TRINITY HILLS WIND 2	TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
604	TURKEY TRACK WIND	TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
605	TYLER BLUFF WIND	TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
606	WAKE WIND 1	WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
607	WAKE WIND 2	WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
608	WEST TEXAS WIND	SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
609	WHIRLWIND ENERGY	WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
610	WHITETAIL WIND	EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	92.3
611	WINDTHORST 2 WIND	WINDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
612	WKN MOZART WIND	MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
613	WILLOW SPRINGS WIND A	SALVTION_UNIT1	HASKELL	WIND	WEST	2017	125.0
614	WILLOW SPRINGS WIND B	SALVTION_UNIT2	HASKELL	WIND	WEST	2017	125.0
615	WOLF RIDGE WIND	WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
616	TSTC WEST TEXAS WIND	DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
617	WOLF FLATS WIND (WIND MGT)	DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
618	<b>Operational Wind Capacity Sub-total (Non-Coastal Counties)</b>						<b>18,920.6</b>
619	Wind Peak Average Capacity Percentage (Non-Coastal)	WIND_PEAK_PCT_NC	%				30.0
620							
621	BAFFIN WIND UNIT1	BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
622	BAFFIN WIND UNIT2	BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
623	BRUENNING'S BREEZE A	BBREEZE_UNIT1	WILLACY	WIND-C	COASTAL	2017	120.0
624	BRUENNING'S BREEZE B	BBREEZE_UNIT2	WILLACY	WIND-C	COASTAL	2017	108.0
625	CAMERON COUNTY WIND	CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
626	CHAPMAN RANCH WIND IA (SANTA CRUZ)	SANTACRU_UNIT1	NUECES	WIND-C	COASTAL	2017	150.6
627	CHAPMAN RANCH WIND IB (SANTA CRUZ)	SANTACRU_UNIT2	NUECES	WIND-C	COASTAL	2017	98.4
628	GULF WIND I	TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
629	GULF WIND II	TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
630	LOS VIENTOS WIND I	LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
631	LOS VIENTOS WIND II	LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
632	MAGIC VALLEY WIND (REDFISH) 1A	REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
633	MAGIC VALLEY WIND (REDFISH) 1B	REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
634	PAPALOTE CREEK WIND	PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
635	PAPALOTE CREEK WIND II	COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1



UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
636	PENASCAL WIND 1	PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
637	PENASCAL WIND 2	PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
638	PENASCAL WIND 3	PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
639	SAN ROMAN WIND	SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
640	HARBOR WIND	DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
641	<b>Operational Wind Capacity Sub-total (Coastal Counties)</b>						<b>2,619.6</b>
642	Wind Peak Average Capacity Percentage (Coastal)	WIND_PEAK_PCT_C	%				68.0
643							
644	Operational Wind Capacity Total (All Counties)	WIND_OPERATIONAL					21,540.2
645							
646	<b>Operational Resources (Solar)</b>						
647	ACACIA SOLAR	ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
648	BHE SOLAR PEARL PROJECT (SIRIUS 2)	SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
649	BNB LAMESA SOLAR (PHASE I)	LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
650	CASTLE GAP SOLAR	CASL_GAP_UNIT1	UPTON	SOLAR	WEST	2018	180.0
651	FS BARILLA SOLAR-PECOS	HOVEY_UNIT1	PECOS	SOLAR	WEST	2015	22.0
652	FS EAST PECOS SOLAR	BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
653	OCI ALAMO 1 SOLAR	OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
654	OCI ALAMO 4 SOLAR-BRACKETVILLE	ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
655	OCI ALAMO 5 (DOWNIE RANCH)	HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
656	OCI ALAMO 6 (SIRIUS/WEST TEXAS)	SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
657	OCI ALAMO 7 (PAINT CREEK)	SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	106.4
658	RE ROSEROCK SOLAR 1	REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
659	RE ROSEROCK SOLAR 2	REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
660	RIGGINS (SE BUCKTHORN WESTEX SOLAR)	RIGGINS_UNIT1	PECOS	SOLAR	WEST	2018	150.0
661	SOLAIREHOLMAN 1	LASSO_UNIT1	BREWSTER	SOLAR	WEST	2018	50.0
662	SP-TX-12-PHASE B	SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
663	WEBBERVILLE SOLAR	WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
664	BECK 1	DG_CECOSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
665	BLUE WING 1 SOLAR	DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
666	BLUE WING 2 SOLAR	DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
667	FIFTH GENERATION SOLAR 1	DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
668	HM SEALY SOLAR 1	DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
669	OCI ALAMO 2 SOLAR-ST. HEDWIG	DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
670	OCI ALAMO 3-WALZEM SOLAR	DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
671	RENEWABLE ENERGY ALTERNATIVES-CCS1	DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
672	SUNEDISON RABEL ROAD SOLAR	DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
673	SUNEDISON VALLEY ROAD SOLAR	DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
674	SUNEDISON CPS3 SOMERSET 1 SOLAR	DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
675	SUNEDISON SOMERSET 2 SOLAR	DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
676	WALNUT SPRINGS	DG_WLNTSPRG_1UNIT	BOSQUE	SOLAR	NORTH	2016	10.0
677	<b>Operational Capacity Total (Solar)</b>						<b>1,485.4</b>
678	Solar Peak Average Capacity Percentage	SOLAR_PEAK_PCT	%				65.0
679							
680	Reliability Must-Run (RMR) Capacity	RMR_CAP_CONT					-
681							
682	Capacity Pending Retirement	PENDRETIRE_CAP					-
683							
684	<b>Non-Synchronous Tie Resources</b>						
685	EAST TIE	DC_E	FANNIN		NORTH		600.0
686	NORTH TIE	DC_N	WILBARGER		WEST		220.0
687	EAGLE PASS TIE	DC_S	MAVERICK		SOUTH		30.0
688	LAREDO VFT TIE	DC_L	WEBB		SOUTH		100.0
689	SHARYLAND RAILROAD TIE	DC_R	HIDALGO		SOUTH		150.0
690	SHARYLAND RAILROAD TIE 2	DC_R2	HIDALGO		SOUTH		150.0
691	<b>Non-Synchronous Ties Total</b>						<b>1,250.0</b>
692	Non-Synchronous Ties Capacity Contribution (Top 20 Hours)	DUCTIE_CAP_CONT		OTHER			260.5
693							
694	<b>Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies</b>						
695	FGE TEXAS 1 PROJECT	16INR0010	MITCHELL	GAS	WEST	2021	-
696	FRIENDSWOOD G	13INR0049	HARRIS	GAS	HOUSTON	2018	119.0
697	HALYARD HENDERSON	16INR0045	HENDERSON	GAS	NORTH	2021	-
698	HALYARD WHARTON ENERGY CENTER	16INR0044	WHARTON	GAS	SOUTH	2020	-
699	HUDSON (BRAZORIA ENERGY G)	16INR0076	BRAZORIA	GAS	COASTAL	2019	96.0
700	MIRAGE	17INR0022	HARRIS	GAS	HOUSTON	2019	11.0
701	VICTORIA CITY (CITYVICT)	18INR0035	VICTORIA	GAS	SOUTH	2019	-
702	VICTORIA PORT (VICTPORT)	17INR0045	VICTORIA	GAS	SOUTH	2018	100.0
703	<b>Planned Capacity Total (Coal, Gas &amp; Storage)</b>						<b>326.0</b>
704							
705	<b>Planned Wind Resources with Executed SGIA</b>						
706	ARMSTRONG WIND	18INR0029	ARMSTRONG	WIND	PANHANDLE	2020	-
707	BARROW RANCH (JUMBO HILL WIND)	18INR0038	ANDREWS	WIND	WEST	2019	-
708	BLUE SUMMIT II	18INR0070	WILBARGER	WIND	WEST	2019	102.0
709	CABEZON WIND (RIO BRAVO I WIND)	17INR0005	STARR	WIND	SOUTH	2019	-
710	CACTUS FLATS WIND	16INR0086	CONCHO	WIND	WEST	2018	148.4
711	CANADIAN BREAKS WIND	13INR0026	OLDHAM	WIND	PANHANDLE	2019	-
712	CANYON WIND	18INR0030	SCURRY	WIND	WEST	2020	-
713	COMANCHE RUN WIND	12INR0029	SWISHER	WIND	PANHANDLE	2019	-
714	COYOTE WIND	17INR0027b	SCURRY	WIND	WEST	2019	-
715	DARMSTADT	18INR0023	SCHLEICHER	WIND	WEST	2019	-
716	EASTER WIND	15INR0063	CASTRO	WIND	PANHANDLE	2020	-
717	EDMONDSON RANCH WIND	18INR0043	GLASSCOCK	WIND	WEST	2020	-
718	FOARD CITY WIND	19INR0019	FOARD	WIND	WEST	2019	-
719	GOODNIGHT WIND	14INR0033	ARMSTRONG	WIND	PANHANDLE	2019	-
720	GOPHER CREEK WIND	18INR0067	SCURRY	WIND	WEST	2019	-
721	HARALD (BEARKAT WIND B)	15INR0064b	GLASSCOCK	WIND	WEST	2019	-
722	HART WIND	16INR0033	CASTRO	WIND	PANHANDLE	2020	-
723	HIGH LONESOME W	19INR0038	CROCKETT	WIND	WEST	2019	-
724	KONTIKI 1 WIND	19INR0099a	GLASSCOCK	WIND	WEST	2019	-
725	KONTIKI 2 WIND	19INR0099b	GLASSCOCK	WIND	WEST	2020	-
726	LOCKETT WIND FARM	16INR0062b	WILBARGER	WIND	WEST	2019	-
727	LOMA PINTA WIND	16INR0112	LA SALLE	WIND	SOUTH	2019	-
728	LORAIN WINDPARK PHASE III	18INR0068	MITCHELL	WIND	WEST	2018	100.0
729	MARIAH DEL ESTE	13INR0010a	PARMER	WIND	PANHANDLE	2018	152.5
730	MAVERICK CREEK I	20INR0045	CONCHO	WIND	WEST	2020	-
731	MAVERICK CREEK II	20INR0046	CONCHO	WIND	WEST	2020	-
732	MESTENO WIND	16INR0081	STARR	WIND	SOUTH	2019	-
733	NORTHDRAW WIND	13INR0025	RANDALL	WIND	PANHANDLE	2019	-
734	OVEJA WIND	18INR0033	IRION	WIND	WEST	2019	-
735	PANHANDLE WIND 3	14INR0030c	CARSON	WIND	PANHANDLE	2020	-
736	PRAIRIE HILL WIND	19INR0100	LIMESTONE	WIND	NORTH	2020	-
737	PUMPKIN FARM WIND	16INR0037c	FLOYD	WIND	PANHANDLE	2019	-
738	RANCHERO WIND	20INR0011	CROCKETT	WIND	WEST	2019	-
739	RTS 2 WIND (HEART OF TEXAS WIND)	18INR0016	MCCULLOCH	WIND	SOUTH	2019	-
740	S_HILLS WIND (LITTLE MOUNTAIN WIND)	12INR0055	BAYLOR	WIND	WEST	2019	-
741	SAGE DRAW WIND	19INR0163	LYNN	WIND	WEST	2019	-

UNIT NAME	GENERATION INTERCONNECTION		COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE					
742 SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2019	-
743 SILVER CANYON WIND A	12INR0002a		BRISCOE	WIND	PANHANDLE	2020	-
744 TAHOKA WIND (STAKED PLAINS WIND 1)	18INR0025		LYNN	WIND	WEST	2019	300.0
745 TG EAST WIND	19INR0052		KNOX	WIND	WEST	2019	-
746 TORRECILLAS WIND	14INR0045		WEBB	WIND	SOUTH	2018	300.5
747 VERA WIND	19INR0051		KNOX	WIND	WEST	2019	-
748 WILDROSE WIND (SWISHER WIND)	13INR0038		SWISHER	WIND	PANHANDLE	2020	-
749 WILSON RANCH (INFINITY LIVE OAK WIND)	12INR0060		SCHLEICHER	WIND	WEST	2018	199.5
750 WKN AMADEUS WIND	14INR0009		KENT	WIND	WEST	2019	-
751 CHALUPA WIND	20INR0042		CAMERON	WIND-C	COASTAL	2020	-
752 CRANEL WIND	19INR0112		REFUGIO	WIND-C	COASTAL	2019	-
753 KARANKAWA 2 WIND FARM	19INR0074		SAN PATRICIO	WIND-C	COASTAL	2019	-
754 KARANKAWA WIND ALT A	18INR0014		SAN PATRICIO	WIND-C	COASTAL	2019	-
755 LAS MAJADAS WIND	17INR0035		WILLACY	WIND-C	COASTAL	2020	-
756 MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2018	162.9
757 PALMAS ALTAS WIND	17INR0037		CAMERON	WIND-C	COASTAL	2019	-
758 SHAFFER (PATRIOT WIND/PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2019	-
759 PEYTON CREEK WIND	18INR0018		MATAGORDA	WIND-C	COASTAL	2019	-
760 RAYMOND WIND	18INR0059		WILLACY	WIND-C	COASTAL	2019	-
761 STELLA 1 WIND	15INR0035		KENEDY	WIND-C	COASTAL	2018	201.0
762 <b>Planned Capacity Total (Wind)</b>							<b>1,666.8</b>
763							
764 Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					1,302.9
765 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				30.0
766							
767 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					363.9
768 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				68.0
769							
770 <b>Planned Solar Resources with Executed SGIA</b>							
771 ARAGORN SOLAR	19INR0088		CULBERSON	SOLAR	WEST	2020	-
772 BLUEBELL SOLAR (CAPRICORN RIDGE SOLAR)	16INR0019		COKE	SOLAR	WEST	2018	30.0
773 EMERALD GROVE SOLAR (PECOS SOLAR POWER I)	15INR0059		PECOS	SOLAR	WEST	2019	-
774 FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2018	7.4
775 LAMESA SOLAR (PHASE II)	16INR0023b		DAWSON	SOLAR	WEST	2018	50.0
776 LONG DRAW SOLAR	18INR0055		BORDEN	SOLAR	WEST	2020	-
777 MISAE SOLAR	18INR0045		CHILDRESS	SOLAR	PANHANDLE	2019	-
778 NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2020	-
779 OBERON SOLAR	19INR0083		ECTOR	SOLAR	WEST	2019	-
780 PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2019	-
781 PHOEBE SOLAR	19INR0029		WINKLER	SOLAR	WEST	2019	-
782 PROSPERO SOLAR	19INR0092		ANDREWS	SOLAR	WEST	2019	-
783 QUEEN SOLAR	19INR0102		UPTON	SOLAR	WEST	2019	-
784 RAMBLER SOLAR	19INR0114		TOM GREEN	SOLAR	WEST	2019	-
785 RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2019	-
786 RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2019	-
787 RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2019	-
788 RE MAPLEWOOD 2D SOLAR	17INR0020d		PECOS	SOLAR	WEST	2020	-
789 RE MAPLEWOOD 2E SOLAR	17INR0020e		PECOS	SOLAR	WEST	2020	-
790 SODA LAKE SOLAR 1	18INR0040		CRANE	SOLAR	WEST	2020	-
791 SODA LAKE SOLAR 2	20INR0143		CRANE	SOLAR	WEST	2020	-
792 UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2019	-
793 WAYMARK SOLAR	16INR0115		PECOS	SOLAR	WEST	2018	182.0
794 WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2019	-
795 WINKLER SOLAR (RES WINK SOLAR)	18INR0022		WINKLER	SOLAR	WEST	2019	-
796 <b>Planned Capacity Total (Solar)</b>							<b>269.4</b>
797 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				65.0
798							
799 <b>Seasonal Mothballed Resources</b>							
800 SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
801 SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
802 <b>Total Seasonal Mothballed Capacity</b>							<b>118.0</b>
803							
804 <b>Mothballed Resources</b>							
805 GIBBONS CREEK U1 (OCT 2018 TO MID-MAY/JUN 2019)		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
806 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	420.0
807 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
808 S R BERTRON U1 (SINCE 5/15/2013)		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	115.0
809 S R BERTRON U2 (SINCE 5/15/2013)		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	171.0
810 <b>Total Mothballed Capacity</b>							<b>1,596.0</b>
811							
812 Notes:							
813 Capacity changes due to planned repower projects are reflected in the operational units' ratings upon project completion.							
814 Although seasonal capacity ratings for battery energy storage systems are reported above, the ratings are not included in the operational capacity formula. These resources							
815 are assumed to be available for less than an hour on a sustained basis.							

## 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 probabilistic reliability standard.

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

The SARA report focuses on the availability of sufficient operating reserves to avoid emergency actions such as deployment of voluntary load reduction resources. It uses an operating reserve threshold of 2,300 MW to indicate the risk that an Energy Emergency Alert Level 1 (EEA1) may be triggered during the time of the forecasted seasonal peak load. This threshold level is intended to be roughly analogous to the 2,300 MW Physical Responsive Capability (PRC) threshold for EEA1. However, PRC is a real-time capability measure for Resources that can quickly respond to system disturbances. In contrast, the SARA operating reserve reflects additional capability assumed to be available before energy emergency procedures are initiated, such as from Resources qualified to provide non-spinning reserves. Additionally, the amount of operating reserves available may increase relative to what is included in the SARA report due to the market responding to wholesale market price increases and anticipated capacity scarcity conditions. Given these considerations, ERCOT believes that the 2,300 MW reserve capacity threshold is a reasonable indicator for the risk of Energy Emergency Alerts given the uncertainties in predicting system conditions months in advance.

The SARA report is intended to illustrate the range of resource adequacy outcomes that might occur. It serves as a situational awareness tool for ERCOT operational planning purposes, and helps fulfill the "extreme weather" resource adequacy assessment requirement per Public Utility Commission of Texas rule 25.362(i)(2)(H). In addition to a base scenario, several other scenarios are developed by varying the value of load forecast and resource availability parameters. The variation in these parameters is based on historic ranges of the parameter values or known changes expected in the near-term. The SARA report is not intended to indicate the likelihood of any of these scenario outcomes.