

FINAL
Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)
Spring 2020

SUMMARY

The ERCOT region is expected to have sufficient installed generating capacity to serve forecasted peak demands in the upcoming spring season (March - May 2020).

The final SARA report reflects a spring 2020 peak forecast of 64,233 MW based on current expectations for average weather.

An additional 3,828 MW of new planned capacity is expected to be available at the start of the spring season, including 42 MW of battery storage. Of that, 1,669 MW are expected to be available during spring peak load hours, with gas-fired units contributing 96 MW, wind contributing 1,238 MW, and solar contributing 335 MW.

The report also includes a forecast of 11,238 MW of unit outages based on historical outage data from the past three spring seasons (starting with 2017), and assumes the high likelihood that the spring peak demand 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/higher electricity demand in late May.

The extreme scenario in this report assumes an extreme April peak demand coinciding with average April generation outages occurring during the peak hours of each weekday.

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Spring 2020 - Final
Release Date: March 5, 2020

Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	66,524	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,691	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
Less Switchable Capacity Unavailable to ERCOT, MW	(868)	Based on survey responses of Switchable Resource owners
Available Mothballed Capacity, MW	-	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Capacity from Private Use Networks, MW	3,057	Average grid injection during the top 20 spring peak load hours over the last three years, plus the forecasted net change in generation capacity available to the ERCOT grid pursuant to Nodal Protocol Section 10.3.2.4.
Coastal Wind, Peak Average Capacity Contribution, MW	2,172	Based on 66% of installed capacity for coastal wind resources (spring season) per ERCOT Nodal Protocols Section 3.2.6.2.2
Panhandle Wind, Peak Average Capacity Contribution, MW	1,587	Based on 36% of installed capacity for panhandle wind resources (spring season) per ERCOT Nodal Protocols Section 3.2.6.2.2
Other Wind, Peak Average Capacity Contribution, MW	5,496	Based on 34% of installed capacity for other wind resources (spring season) per ERCOT Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	1,409	Based on 62% of rated capacity for solar resources (spring season) per Nodal Protocols Section 3.2.6.2.2
Storage, Peak Average Capacity Contribution, MW	-	Based on 0% of rated capacity (spring season); resources assumed to provide regulation reserves rather than sustained capacity available to meet peak loads
RMR Capacity to be under Contract	-	
Capacity Pending Retirement, MW	-	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	838	Based on import flows during most recent Energy Emergency Alert (EEA) intervals for the winter season. (Used as a proxy for the spring season due to lack of EEA intervals.)
Planned Thermal Resources with Signed IA, Air Permits and Water Rights, MW	96	Based on in-service dates provided by developers
Planned Coastal Wind with Signed IA, Peak Average Capacity Contribution, MW	345	Based on in-service dates provided by developers and 66% spring capacity contribution for coastal wind resources
Planned Panhandle Wind with Signed IA, Peak Average Capacity Contribution, MW	-	Based on in-service dates provided by developers and 36% spring capacity contribution for panhandle wind resources
Planned Other Wind with Signed IA, Peak Average Capacity Contribution, MW	893	Based on in-service dates provided by developers and 34% spring capacity contribution for other wind resources
Planned Solar Utility-Scale, Peak Average Capacity Contribution, MW	335	Based on in-service dates provided by developers and 62% spring capacity contribution for solar resources
Planned Storage, Peak Average Capacity Contribution, MW	-	Based on in-service dates provided by developers and 0% spring capacity contribution for storage resources
[a] Total Resources, MW	85,575	
[b] Peak Demand, MW	64,233	May peak forecast is based on average weather conditions at time of peak from 2003 – 2017
[c] Reserve Capacity [a - b], MW	21,342	

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	-	(7,868)	(3,072)	April peak forecast is 56,365 MW, and the extreme peak forecast is 61,161 MW; adjustments reflect April peak forecast for average and 90th percentile weather conditions, respectively
Typical May Maintenance Outages	6,064	6,064	6,064	Based on historical average of planned maintenance outages for May weekdays, hours ending 3 pm - 8 pm (starting in 2017)
Typical May Forced Outages	5,174	5,174	5,174	Based on historical average of forced outages for May weekdays, hours ending 3 pm - 8 pm (starting in 2017)
Incremental Unit Outages to Reflect April Peak Maintenance Season	-	8,785	8,785	Incremental outages based on historical average of forced and planned maintenance outages for April weekdays, hours ending 3 pm - 8 pm (starting in 2017)
[d] Total Uses of Reserve Capacity	11,238	12,155	16,951	
[e] Capacity Available for Operating Reserves, Normal Operating Conditions [c - d], MW	10,104	9,187	4,391	See the Background tab for additional details
Less than 2,300 MW indicates risk of EEA1				

Unit Capacities - Spring

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
Operational Resources (Thermal)							
4 COMANCHE PEAK U1		CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	1990	1,227.0
5 COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,214.0
6 SOUTH TEXAS U1	20INR0287	STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,323.2
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,310.0
8 COLETO CREEK		COLETO_COLETG01	GOLIAD	COAL	SOUTH	1980	655.0
9 FAYETTE POWER U1		FPFYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	608.0
10 FAYETTE POWER U2		FPFYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	608.0
11 FAYETTE POWER U3		FPFYD2_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 LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	824.0
15 LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	836.0
16 MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	815.0
17 MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
18 MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	820.0
19 OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	855.0
20 OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	855.0
21 OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
22 SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
23 SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	945.0
24 TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	155.0
25 TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	155.0
26 W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	664.0
27 W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	663.0
28 W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
29 W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
30 ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	164.0
31 ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	164.0
32 ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	190.0
33 ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
34 BARNEY M DAVIS CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	161.0
35 BARNEY M DAVIS CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	161.0
36 BARNEY M DAVIS STG 1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
37 BARNEY M DAVIS 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_	BOSQUE	GAS	NORTH	2000	161.8
42 BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_	BOSQUE	GAS	NORTH	2000	161.8
43 BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_	BOSQUE	GAS	NORTH	2001	160.6
44 BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_	BOSQUE	GAS	NORTH	2001	83.6
45 BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_	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) CTG 1		CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	46.7
53 CALHOUN (PORT COMFORT) CTG 2		CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	46.7
54 CASTLEMAN CHAMON CTG 1		CHAMON_CTG_0101	HARRIS	GAS	HOUSTON	2017	46.7
55 CASTLEMAN CHAMON CTG 2		CHAMON_CTG_0301	HARRIS	GAS	HOUSTON	2017	46.7
56 CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	168.0
57 CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	168.0
58 CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	182.0
59 CEDAR BAYOU STG 1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
60 CEDAR BAYOU STG 2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
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 CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	73.0
64 COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	68.0
65 COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	100.0
66 COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	105.0
67 COLORADO BEND II CTG 7	18INR0077	CBECII_CT7	WHARTON	GAS	SOUTH	2017	332.1
68 COLORADO BEND II CTG 8	18INR0077	CBECII_CT8	WHARTON	GAS	SOUTH	2017	337.8
69 COLORADO BEND II STG 9	18INR0077	CBECII_STG9	WHARTON	GAS	SOUTH	2017	482.3
70 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	181.0
71 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	178.0
72 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	178.0
73 CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	144.0
74 DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5
75 DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
76 DANSBY STG 1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
77 DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	50.0
78 DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	50.0
79 DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	50.0
80 DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	50.0
81 DECKER CREEK STG 1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
82 DECKER CREEK STG 2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	428.0
83 DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	71.0
84 DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	70.0
85 DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	70.0
86 DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	71.0
87 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	190.0
88 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	202.0
89 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	190.0
90 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	202.0
91 DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	174.0
92 DEER PARK ENERGY CENTER STG 1		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
93 DENTON ENERGY CENTER IC A		DEC_AGR_A	DENTON	GAS	NORTH	2018	56.5
94 DENTON ENERGY CENTER IC B		DEC_AGR_B	DENTON	GAS	NORTH	2018	56.5
95 DENTON ENERGY CENTER IC C		DEC_AGR_C	DENTON	GAS	NORTH	2018	56.5
96 DENTON ENERGY CENTER IC D		DEC_AGR_D	DENTON	GAS	NORTH	2018	56.5
97 ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	153.6
98 ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	153.6

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
99 ELK STATION IC 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	195.0
100 ENNIS POWER STATION CTG 2	21INR0448	ETCCS_CT1	ELLIS	GAS	NORTH	2002	209.0
101 ENNIS POWER STATION STG 1	21INR0448	ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	116.0
102 EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	36.0
103 EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	36.0
104 EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	36.0
105 EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	36.0
106 FERGUSON REPLACEMENT CTG 1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	176.0
107 FERGUSON REPLACEMENT CTG 2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	176.0
108 FERGUSON REPLACEMENT STG 1		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	189.0
109 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	167.0
110 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	159.0
111 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	159.0
112 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	167.0
113 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	159.0
114 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	159.0
115 FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	408.0
116 FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	408.0
117 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	156.2
118 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	156.2
119 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	156.5
120 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	156.5
121 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	178.0
122 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	177.1
123 FRIENDSWOOD G		FEGC_UNIT1	HARRIS	GAS	HOUSTON	2018	119.0
124 GRAHAM STG 1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
125 GRAHAM STG 2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
126 GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	57.0
127 GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	57.0
128 GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	57.0
129 GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
130 GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	57.0
131 GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	57.0
132 GREENVILLE IC ENGINE PLANT IC 1		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
133 GREENVILLE IC ENGINE PLANT IC 2		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
134 GREENVILLE IC ENGINE PLANT IC 3		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
135 GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	158.0
136 GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	158.0
137 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	158.0
138 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	158.0
139 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	200.0
140 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	200.0
141 HANDLEY STG 3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
142 HANDLEY STG 4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
143 HANDLEY STG 5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
144 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	213.0
145 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	214.0
146 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	213.0
147 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	216.0
148 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	143.0
149 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	143.0
150 HIDALGO ENERGY CENTER STG 1		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	172.0
151 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	150.0
152 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	150.0
153 JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
154 JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
155 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	285.0
156 JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	285.0
157 JOHNSON COUNTY GEN FACILITY CTG 1		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
158 JOHNSON COUNTY GEN FACILITY STG 1		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
159 LAKE HUBBARD STG 1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
160 LAKE HUBBARD STG 2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
161 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	161.0
162 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	153.0
163 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	153.0
164 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	161.0
165 LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
166 LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
167 LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	92.9
168 LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	90.1
169 LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
170 LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
171 LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	46.0
172 LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
173 LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	183.0
174 LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	175.0
175 LOST PINES POWER STG 1		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	192.0
176 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	213.6
177 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	213.6
178 MAGIC VALLEY STATION STG 3		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	255.5
179 MIDLOTHIAN ENERGY FACILITY CTG 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	232.0
180 MIDLOTHIAN ENERGY FACILITY CTG 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	230.0
181 MIDLOTHIAN ENERGY FACILITY CTG 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	229.0
182 MIDLOTHIAN ENERGY FACILITY CTG 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	232.0
183 MIDLOTHIAN ENERGY FACILITY CTG 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	244.0
184 MIDLOTHIAN ENERGY FACILITY CTG 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	246.0
185 MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	67.0
186 MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	66.0
187 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	66.0
188 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	67.0
189 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	68.0
190 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	68.0
191 MOUNTAIN CREEK STG 6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
192 MOUNTAIN CREEK STG 7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
193 MOUNTAIN CREEK STG 8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
194 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESC	NUECES	GAS	COASTAL	2010	161.0
195 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESC	NUECES	GAS	COASTAL	2010	161.0
196 NUECES BAY REPOWER STG 7		NUECES_B_NUECESC	NUECES	GAS	COASTAL	1972	322.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
197 O W SOMMERS STG 1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
198 O W SOMMERS STG 2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
199 ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	164.6
200 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	156.1
201 ODESSA-ECTOR POWER CTG 21	20INR0282	OECCS_CT21	ECTOR	GAS	WEST	2001	164.6
202 ODESSA-ECTOR POWER CTG 22	20INR0282	OECCS_CT22	ECTOR	GAS	WEST	2001	156.1
203 ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	206.4
204 ODESSA-ECTOR POWER STG 2	20INR0282	OECCS_UNIT2	ECTOR	GAS	WEST	2001	206.4
205 PANDA SHERMAN POWER CTG 1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
206 PANDA SHERMAN POWER CTG 2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
207 PANDA SHERMAN POWER STG 1		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	353.1
208 PANDA TEMPLE I POWER CTG 1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
209 PANDA TEMPLE I POWER CTG 2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
210 PANDA TEMPLE I POWER STG 1		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	353.1
211 PANDA TEMPLE II POWER CTG 1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
212 PANDA TEMPLE II POWER CTG 2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
213 PANDA TEMPLE II POWER STG 1		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	353.1
214 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	86.0
215 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	86.0
216 PARIS ENERGY CENTER STG 1		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
217 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	170.0
218 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	170.0
219 PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	168.0
220 PEARSALL ENGINE PLANT IC A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
221 PEARSALL ENGINE PLANT IC B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
222 PEARSALL ENGINE PLANT IC C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
223 PEARSALL ENGINE PLANT IC D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
224 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	64.0
225 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	64.0
226 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	64.0
227 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	64.0
228 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	65.0
229 PHR PEAKERS (BAC) CTG 1		BAC_CTG1	GALVESTON	GAS	HOUSTON	2018	61.0
230 PHR PEAKERS (BAC) CTG 2		BAC_CTG2	GALVESTON	GAS	HOUSTON	2018	62.0
231 PHR PEAKERS (BAC) CTG 3		BAC_CTG3	GALVESTON	GAS	HOUSTON	2018	52.0
232 PHR PEAKERS (BAC) CTG 4		BAC_CTG4	GALVESTON	GAS	HOUSTON	2018	56.0
233 PHR PEAKERS (BAC) CTG 5		BAC_CTG5	GALVESTON	GAS	HOUSTON	2018	56.0
234 PHR PEAKERS (BAC) CTG 6		BAC_CTG6	GALVESTON	GAS	HOUSTON	2018	54.0
235 POWERLANE PLANT STG 1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	17.5
236 POWERLANE PLANT STG 2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	23.5
237 POWERLANE PLANT STG 3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	39.5
238 QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	80.0
239 QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	80.0
240 QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	80.0
241 QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	80.0
242 QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
243 QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
244 R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
245 R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
246 R W MILLER STG 1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
247 R W MILLER STG 2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
248 R W MILLER STG 3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
249 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
250 RAY OLINGER STG 1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
251 RAY OLINGER STG 2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
252 RAY OLINGER STG 3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
253 REDGATE IC A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
254 REDGATE IC B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
255 REDGATE IC C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
256 REDGATE IC D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
257 RIO NOGALES POWER CTG 1		RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	173.0
258 RIO NOGALES POWER CTG 2	21INR0328	RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	160.0
259 RIO NOGALES POWER CTG 3	20INR0272	RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	173.0
260 RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	310.0
261 SAM RAYBURN POWER CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
262 SAM RAYBURN POWER CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
263 SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
264 SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
265 SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
266 SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
267 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	83.0
268 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	83.0
269 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
270 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
271 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
272 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
273 SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	151.0
274 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
275 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
276 SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	148.0
277 SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
278 SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	40.0
279 SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
280 SIM GIDEON STG 1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
281 SIM GIDEON STG 2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	133.0
282 SIM GIDEON STG 3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
283 SKY GLOBAL POWER ONE IC A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
284 SKY GLOBAL POWER ONE IC B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
285 STRYKER CREEK STG 1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
286 STRYKER CREEK STG 2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
287 T H WHARTON CTG 1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
288 T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	56.0
289 T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	56.0
290 T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	56.0
291 T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	56.0
292 T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	56.0
293 T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	56.0
294 T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	56.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
295 T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	56.0
296 T H WHARTON POWER CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
297 T H WHARTON POWER CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
298 T H WHARTON POWER CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
299 T H WHARTON POWER CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
300 T H WHARTON POWER CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
301 T H WHARTON POWER CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
302 T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	109.0
303 T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	109.0
304 TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	100.6
305 TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	100.6
306 TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	100.6
307 TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5
308 TEXAS GULF SULPHUR CTG 1		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	70.0
309 TRINIDAD STG 6		TRSE_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
310 V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
311 V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
312 V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
313 V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
314 V H BRAUNIG STG 1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
315 V H BRAUNIG STG 2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
316 V H BRAUNIG STG 3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
317 VICTORIA CITY (CITYVICT) CTG 1		CITYVICT_CTG01	REFUGIO	GAS	COASTAL	2020	46.7
318 VICTORIA CITY (CITYVICT) CTG 2		CITYVICT_CTG02	REFUGIO	GAS	COASTAL	2020	46.7
319 VICTORIA PORT (VICTPORT) CTG 1		VICTPORT_CTG01	CALHOUN	GAS	SOUTH	2019	46.7
320 VICTORIA PORT (VICTPORT) CTG 2		VICTPORT_CTG02	CALHOUN	GAS	SOUTH	2019	46.7
321 VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
322 VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
323 W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
324 W A PARISH STG 1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
325 W A PARISH STG 2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
326 W A PARISH STG 3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
327 W A PARISH STG 4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	536.0
328 WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
329 WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
330 WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
331 WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
332 WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
333 WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
334 WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
335 WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
336 WISE-TRACTEBEL POWER CTG 1	20INR0286	WCPP_CT1	WISE	GAS	NORTH	2004	211.0
337 WISE-TRACTEBEL POWER CTG 2	20INR0286	WCPP_CT2	WISE	GAS	NORTH	2004	206.0
338 WISE-TRACTEBEL POWER STG 1	20INR0286	WCPP_ST1	WISE	GAS	NORTH	2004	273.0
339 WOLF HOLLOW 2 CTG 4	18INR0076	WHCCS2_CT4	HOOD	GAS	NORTH	2017	330.6
340 WOLF HOLLOW 2 CTG 5	18INR0076	WHCCS2_CT5	HOOD	GAS	NORTH	2017	331.1
341 WOLF HOLLOW 2 STG 6	18INR0076	WHCCS2_STG6	HOOD	GAS	NORTH	2017	468.9
342 WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	227.0
343 WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	227.0
344 WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	286.0
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 FARMERS BRANCH LANDFILL GAS TO ENERGY		DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2
349 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
350 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
351 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
352 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
353 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
354 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
355 WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
356 WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
357 Operational Capacity Total (Nuclear, Coal, Gas, Biomass)							66,080.8
358							
359 Operational Resources (Hydro)							
360 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
361 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
362 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
363 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
364 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
365 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
366 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
367 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
368 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
369 EAGLE PASS HYDRO		EAGLE_HY_EAGLE_H	MAVERICK	HYDRO	SOUTH	2005	9.6
370 FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
371 FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
372 FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
373 GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
374 GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
375 GUADALUPE BLANCO RIVER AUTH-CANYON		CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
376 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
377 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
378 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
379 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
380 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
381 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	36.0
382 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	22.0
383 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	22.0
384 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
385 CITY OF GONZALES HYDRO		DG_GONZ_HYDRO_G1	GONZALES	HYDRO	SOUTH	1986	1.5
386 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	2.4
387 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
388 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	-
389 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
390 Operational Capacity Total (Hydro)							553.6
391 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					443.5
392							

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
393 Operational Thermal Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					-
394 Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					66,524.3
395							
396 Operational Resources (Switchable)							
397 ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	56.0
398 ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	56.0
399 ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	56.0
400 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	195.0
401 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	195.0
402 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
403 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
404 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
405 TENASKA FRONTIER STATION CTG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
406 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
407 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
408 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
409 TENASKA GATEWAY STATION CTG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	399.0
410 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	162.0
411 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	158.0
412 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	322.0
413 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	159.0
414 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	161.0
415 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	323.0
416 Switchable Capacity Total							3,691.0
417							
418 Switchable Capacity Unavailable to ERCOT							
419 ANTELOPE IC 1		AEEC_ANTLP_1_UNA\	HALE	GAS	PANHANDLE	2017	(56)
420 ANTELOPE IC 2		AEEC_ANTLP_2_UNA\	HALE	GAS	PANHANDLE	2017	(56)
421 ANTELOPE IC 3		AEEC_ANTLP_3_UNA\	HALE	GAS	PANHANDLE	2017	(56)
422 ELK STATION CTG 1		AEEC_ELK_1_UNAVAI	HALE	GAS	PANHANDLE	2017	(200)
423 ELK STATION CTG 2		AEEC_ELK_2_UNAVAI	HALE	GAS	PANHANDLE	2017	(200)
424 TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	GRIMES	GAS	NORTH	2016	(300)
425 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					(868)
426							
427 Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL					-
428							
429 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,027.0
430 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			30.0
431							
432 Operational Resources (Wind)							
433 BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
434 BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
435 BRUENNING'S BREEZE A		BBREEZE_UNIT1	WILLACY	WIND-C	COASTAL	2017	120.0
436 BRUENNING'S BREEZE B		BBREEZE_UNIT2	WILLACY	WIND-C	COASTAL	2017	108.0
437 CAMERON COUNTY WIND		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
438 CHAPMAN RANCH WIND IA (SANTA CRUZ)		SANTACRU_UNIT1	NUECES	WIND-C	COASTAL	2017	150.6
439 CHAPMAN RANCH WIND IB (SANTA CRUZ)		SANTACRU_UNIT2	NUECES	WIND-C	COASTAL	2017	98.4
440 GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2009	141.6
441 GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2009	141.6
442 KARANKAWA WIND 1A		KARAKAW1_UNIT1	SAN PATRICIO	WIND-C	COASTAL	2019	103.3
443 KARANKAWA WIND 1B		KARAKAW1_UNIT2	SAN PATRICIO	WIND-C	COASTAL	2019	103.3
444 KARANKAWA WIND 2		KARAKAW2_UNIT3	SAN PATRICIO	WIND-C	COASTAL	2019	100.4
445 LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
446 LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
447 MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
448 MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
449 MIDWAY WIND		MIDWIND_UNIT1	SAN PATRICIO	WIND-C	COASTAL	2019	162.8
450 PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
451 PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
452 PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
453 PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
454 PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
455 SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
456 STELLA WIND		STELLA_UNIT1	KENEDY	WIND-C	COASTAL	2018	201.0
457 HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
458 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND-P	PANHANDLE	2015	149.8
459 CANADIAN BREAKS WIND		CN_BRKS_UNIT_1	OLDHAM	WIND-P	PANHANDLE	2019	210.1
460 COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD	WIND-P	PANHANDLE	2017	50.4
461 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND-P	PANHANDLE	2016	100.2
462 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND-P	PANHANDLE	2016	100.2
463 FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND-P	PANHANDLE	2017	163.2
464 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND-P	PANHANDLE	2014	107.4
465 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND-P	PANHANDLE	2014	103.8
466 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND-P	PANHANDLE	2015	99.9
467 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND-P	PANHANDLE	2015	100.0
468 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND	DEAF SMITH	WIND-P	PANHANDLE	2015	146.2
469 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND	DEAF SMITH	WIND-P	PANHANDLE	2015	153.6
470 LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND-P	PANHANDLE	2015	100.0
471 LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND-P	PANHANDLE	2015	100.0
472 MARIAH DEL NORTE 1		MARIAH_NORTE1	PARMER	WIND-P	PANHANDLE	2017	115.2
473 MARIAH DEL NORTE 2		MARIAH_NORTE2	PARMER	WIND-P	PANHANDLE	2017	115.2
474 MCADOO WIND	20INR0295	MWEC_G1	DICKENS	WIND-P	PANHANDLE	2008	150.0
475 MIAMI WIND G1		MIAMI_G1	GRAY	WIND-P	PANHANDLE	2014	144.3
476 MIAMI WIND G2		MIAMI_G2	GRAY	WIND-P	PANHANDLE	2014	144.3
477 OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD	WIND-P	PANHANDLE	2017	151.2
478 PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND-P	PANHANDLE	2014	109.2
479 PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND-P	PANHANDLE	2014	109.2
480 PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND-P	PANHANDLE	2014	94.2
481 PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND-P	PANHANDLE	2014	96.6
482 ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND-P	PANHANDLE	2015	150.0
483 SALT FORK 1 WIND U1		SALTFORK_UNIT1	DONLEY	WIND-P	PANHANDLE	2017	64.0
484 SALT FORK 1 WIND U2		SALTFORK_UNIT2	DONLEY	WIND-P	PANHANDLE	2017	110.0
485 SOUTH PLAINS WIND 1 U1		SPLAIN1_WIND1	FLOYD	WIND-P	PANHANDLE	2015	102.0
486 SOUTH PLAINS WIND 1 U2		SPLAIN1_WIND2	FLOYD	WIND-P	PANHANDLE	2015	98.0
487 SOUTH PLAINS WIND 2 U1		SPLAIN2_WIND21	FLOYD	WIND-P	PANHANDLE	2016	148.5
488 SOUTH PLAINS WIND 2 U2		SPLAIN2_WIND22	FLOYD	WIND-P	PANHANDLE	2016	151.8
489 SPINNING SPUR WIND TWO A		SSPURTWO_WIND_1	OLDHAM	WIND-P	PANHANDLE	2014	161.0
490 SPINNING SPUR WIND TWO B		SSPURTWO_SS3WIND	OLDHAM	WIND-P	PANHANDLE	2015	98.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
491 SPINNING SPUR WIND TWO C		SSPURTWO_SS3WIND	OLDHAM	WIND-P	PANHANDLE	2015	96.0
492 WAKE WIND 1		WAKEWE_G1	DICKENS	WIND-P	PANHANDLE	2016	114.9
493 WAKE WIND 2		WAKEWE_G2	DICKENS	WIND-P	PANHANDLE	2016	142.3
494 WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND-P	PANHANDLE	2007	57.0
495 WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND-P	PANHANDLE	2007	1.0
496 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND-O	SOUTH	2012	99.8
497 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND-O	NORTH	2007	120.0
498 BLUE SUMMIT WIND 1 A	181NR0072	BLSUMMIT_BLSMT1_5	WILBARGER	WIND-O	WEST	2013	9.0
499 BLUE SUMMIT WIND 1 B	181NR0072	BLSUMMIT_BLSMT1_6	WILBARGER	WIND-O	WEST	2013	126.4
500 BOBCAT BLUFF WIND	181NR0078	BCATWIND_WIND_1	ARCHER	WIND-O	WEST	2012	162.0
501 BUCKTHORN WIND 1 A		BUCKTHRN_UNIT1	ERATH	WIND-O	NORTH	2017	44.9
502 BUCKTHORN WIND 1 B		BUCKTHRN_UNIT2	ERATH	WIND-O	NORTH	2017	55.7
503 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND-O	WEST	2006	120.6
504 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND-O	WEST	2007	115.5
505 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND-O	WEST	2007	117.0
506 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND-O	WEST	2008	170.2
507 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND-O	WEST	2009	88.0
508 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND-O	WEST	2009	90.0
509 CABEZON WIND (RIO BRAVO I WIND) 1 A		CABEZON_WIND1	STARR	WIND-O	SOUTH	2019	115.2
510 CABEZON WIND (RIO BRAVO I WIND) 1 B		CABEZON_WIND2	STARR	WIND-O	SOUTH	2019	122.4
511 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND-O	WEST	2004	114.0
512 CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND-O	WEST	2007	130.5
513 CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND-O	WEST	2007	120.0
514 CAPRICORN RIDGE WIND 1	171NR0054	CAPRIDGE_CR1	STERLING	WIND-O	WEST	2007	214.5
515 CAPRICORN RIDGE WIND 2	171NR0054	CAPRIDGE_CR2	STERLING	WIND-O	WEST	2007	149.5
516 CAPRICORN RIDGE WIND 3	171NR0054	CAPRIDGE_CR3	STERLING	WIND-O	WEST	2008	186.0
517 CAPRICORN RIDGE WIND 4	171NR0061	CAPRIDGE_CR4	COKE	WIND-O	WEST	2008	121.5
518 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND-O	SOUTH	2010	75.0
519 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND-O	SOUTH	2010	75.0
520 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND-O	WEST	2008	126.5
521 DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND-O	WEST	2017	126.5
522 DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND-O	WEST	2017	126.5
523 DESERT SKY WIND 1	171NR0070	INDNENR_INDENR	PECOS	WIND-O	WEST	2002	85.1
524 DESERT SKY WIND 2	171NR0070	INDNENR_INDENR_2	PECOS	WIND-O	WEST	2002	85.1
525 ELBOW CREEK WIND		ELB_ELBECREEK	HOWARD	WIND-O	WEST	2008	118.7
526 ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND-O	WEST	2017	98.9
527 ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND-O	WEST	2017	131.1
528 FLAT TOP WIND I		FTWIND_UNIT_1	MILLS	WIND-O	NORTH	2018	200.0
529 FLUVANNA RENEWABLE 1 A		FLUVANNA_UNIT1	SCURRY	WIND-O	WEST	2017	79.8
530 FLUVANNA RENEWABLE 1 B		FLUVANNA_UNIT2	SCURRY	WIND-O	WEST	2017	75.6
531 FOARD CITY WIND 1 A		FOARDCTY_UNIT1	FOARD	WIND-O	WEST	2019	186.5
532 FOARD CITY WIND 1 B		FOARDCTY_UNIT2	FOARD	WIND-O	WEST	2019	163.8
533 FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND-O	WEST	2007	124.2
534 GOAT WIND		GOAT_GOATWIND	STERLING	WIND-O	WEST	2008	80.0
535 GOAT WIND 2		GOAT_GOATWIND2	STERLING	WIND-O	WEST	2010	69.6
536 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND-O	NORTH	2014	148.6
537 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND-O	WEST	2003	99.0
538 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND-O	WEST	2003	61.0
539 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND-O	WEST	2015	150.0
540 VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND-O	WEST	2015	150.0
541 GUNSIGHT MOUNTAIN WIND		GUNMNT_G1	HOWARD	WIND-O	WEST	2016	119.9
542 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND-O	WEST	2008	163.5
543 HICKMAN (SANTA RITA WIND) 1		HICKMAN_G1	REGAN AND IRION	WIND-O	WEST	2018	152.5
544 HICKMAN (SANTA RITA WIND) 2		HICKMAN_G2	REGAN AND IRION	WIND-O	WEST	2018	147.5
545 HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND-O	SOUTH	2016	52.0
546 HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND-O	SOUTH	2016	98.0
547 HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND-O	SOUTH	2016	100.0
548 HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND-O	WEST	2017	131.1
549 HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND-O	WEST	2017	98.9
550 HORSE HOLLOW WIND 1	171NR0052	H_HOLLOW_WND1	TAYLOR	WIND-O	WEST	2019	230.0
551 HORSE HOLLOW WIND 2	171NR0052	HHOLLOW2_WND1	TAYLOR	WIND-O	WEST	2006	184.0
552 HORSE HOLLOW WIND 3	171NR0052	HHOLLOW3_WND_1	TAYLOR	WIND-O	WEST	2006	223.5
553 HORSE HOLLOW WIND 4	171NR0052	HHOLLOW4_WND1	TAYLOR	WIND-O	WEST	2006	115.0
554 INADALE WIND 1		INDL_INADALE1	NOLAN	WIND-O	WEST	2008	95.0
555 INADALE WIND 2		INDL_INADALE2	NOLAN	WIND-O	WEST	2008	102.0
556 INDIAN MESA WIND		INDNWP_INDNNWP2	PECOS	WIND-O	WEST	2001	91.9
557 JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND-O	SOUTH	2015	19.7
558 JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND-O	SOUTH	2015	230.0
559 JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND-O	SOUTH	2017	96.0
560 JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND-O	SOUTH	2017	74.0
561 JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND-O	SOUTH	2017	30.0
562 KEECHI WIND		KEECHI_U1	JACK	WIND-O	NORTH	2015	110.0
563 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND-O	WEST	2001	79.7
564 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND-O	WEST	2001	79.7
565 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND-O	WEST	2001	40.5
566 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND-O	WEST	2001	79.7
567 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND-O	WEST	2009	155.0
568 LOCKETT WIND FARM		LOCKETT_UNIT1	WILBARGER	WIND-O	WEST	2019	183.7
569 LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND-O	NORTH	2015	106.3
570 LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND-O	NORTH	2015	103.8
571 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND-O	WEST	2006	200.0
572 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND-O	WEST	2007	100.0
573 LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND-O	WEST	2007	100.0
574 LORAIN WINDPARK I		LONEWOLF_G1	MITCHELL	WIND-O	WEST	2010	49.5
575 LORAIN WINDPARK II		LONEWOLF_G2	MITCHELL	WIND-O	WEST	2010	51.0
576 LORAIN WINDPARK III		LONEWOLF_G3	MITCHELL	WIND-O	WEST	2011	25.5
577 LORAIN WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND-O	WEST	2011	24.0
578 LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND-O	SOUTH	2015	200.0
579 LOS VIENTOS IV WIND		LV4_UNIT_1	STARR	WIND-O	SOUTH	2016	200.0
580 LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND-O	SOUTH	2016	110.0
581 MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND-O	WEST	2015	105.6
582 MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND-O	WEST	2015	105.6
583 NIELS BOHR WIND A (BEARKAT WIND A)		NBOHR_UNIT1	GLASSCOCK	WIND-O	WEST	2018	196.6
584 NOTREES WIND 1		NWF_NWF1	WINKLER	WIND-O	WEST	2009	92.6
585 NOTREES WIND 2		NWF_NWF2	WINKLER	WIND-O	WEST	2009	60.0
586 Ocotillo WIND		OWF_OWf	HOWARD	WIND-O	WEST	2008	58.8
587 PANTHER CREEK WIND 1		PC_NORTH_PANTHER	HOWARD	WIND-O	WEST	2008	142.5
588 PANTHER CREEK WIND 2		PC_SOUTH_PANTHER	HOWARD	WIND-O	WEST	2019	115.5

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
589 PANTHER CREEK WIND 3	21INR0449	PC_SOUTH_PANTHER	HOWARD	WIND-O	WEST	2009	199.5
590 PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODV	PECOS	WIND-O	WEST	2001	91.9
591 PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODV	PECOS	WIND-O	WEST	2001	86.0
592 PYRON WIND 1		PYR_PYRON1	SCURRY	WIND-O	WEST	2008	121.5
593 PYRON WIND 2		PYR_PYRON2	SCURRY AND FISHER	WIND-O	WEST	2008	127.5
594 RATTLESNAKE I WIND ENERGY CENTER G1		RSNAKE_G1	GLASSCOCK	WIND-O	WEST	2015	104.3
595 RATTLESNAKE I WIND ENERGY CENTER G2		RSNAKE_G2	GLASSCOCK	WIND-O	WEST	2015	103.0
596 RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND-O	WEST	2006	89.6
597 ROCK SPRINGS VAL VERDE WIND (FERMI) 1		FERMI_WIND1	VAL VERDE	WIND-O	WEST	2017	121.9
598 ROCK SPRINGS VAL VERDE WIND (FERMI) 2		FERMI_WIND2	VAL VERDE	WIND-O	WEST	2017	27.4
599 ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND-O	WEST	2008	114.0
600 ROSCOE WIND 2A		TKWSW1_ROSCOE2A	NOLAN	WIND-O	WEST	2008	95.0
601 RTS WIND		RTS_U1	MCCULLOCH	WIND-O	SOUTH	2018	160.0
602 SAND BLUFF WIND	20INR0296	MCDDL_SBW1	GLASSCOCK	WIND-O	WEST	2008	90.0
603 SENDERO HILL ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND-O	SOUTH	2015	76.0
604 SEYMOUR HILLS WIND (S_HILLS WIND)		S_HILLS_UNIT1	BAYLOR	WIND-O	WEST	2019	30.2
605 SENATE WIND		SENATEWD_UNIT1	JACK	WIND-O	NORTH	2012	150.0
606 SHANNON WIND		SHANNONW_UNIT1	CLAY	WIND-O	WEST	2015	204.1
607 SHERBINO 1 WIND	19INR0120	KEO_KEO_SM1	PECOS	WIND-O	WEST	2008	150.0
608 SHERBINO 2 WIND	19INR0120	KEO_SHRBINO2	PECOS	WIND-O	WEST	2011	145.0
609 SILVER STAR WIND	18INR0064	FLTCK_SSI	EASTLAND	WIND-O	NORTH	2008	60.0
610 SNYDER WIND	20INR0257	ENAS_ENA1	SCURRY	WIND-O	WEST	2007	63.0
611 SOUTH TRENT WIND		STWF_T1	NOLAN	WIND-O	WEST	2008	98.2
612 STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND-O	WEST	2008	120.0
613 STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND-O	WEST	2014	211.2
614 STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND-O	WEST	2015	164.7
615 SWEETWATER WIND 1	18INR0073	SWEETWIND_WND1	NOLAN	WIND-O	WEST	2003	42.5
616 SWEETWATER WIND 2A	17INR0068	SWEETWN2_WND24	NOLAN	WIND-O	WEST	2006	16.8
617 SWEETWATER WIND 2B	17INR0068	SWEETWN2_WND2	NOLAN	WIND-O	WEST	2004	110.8
618 SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND-O	WEST	2011	34.0
619 SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND-O	WEST	2011	117.0
620 SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND-O	WEST	2007	85.0
621 SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND-O	WEST	2007	112.0
622 SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND-O	WEST	2007	125.0
623 TAHOKA WIND 1		TAHOKA_UNIT_1	LYNN	WIND-O	WEST	2019	150.0
624 TAHOKA WIND 2		TAHOKA_UNIT_2	LYNN	WIND-O	WEST	2019	150.0
625 TEXAS BIG SPRING WIND A		SGMTN_SIGNALMT	HOWARD	WIND-O	WEST	1999	27.7
626 TEXAS BIG SPRING WIND B		SGMTN_SIGNALM2	HOWARD	WIND-O	WEST	1999	6.6
627 TORRECILLAS WIND 1		TORR_UNIT1_25	WEBB	WIND-O	SOUTH	2019	150.0
628 TORRECILLAS WIND 2		TORR_UNIT2_23	WEBB	WIND-O	SOUTH	2019	23.0
629 TORRECILLAS WIND 3		TORR_UNIT2_25	WEBB	WIND-O	SOUTH	2019	127.5
630 TRENT WIND	17INR0069	TRENT_TRENT	NOLAN	WIND-O	WEST	2001	150.0
631 TRINITY HILLS WIND 1	20INR0019	TRINITY_TH1_BUS1	YOUNG	WIND-O	WEST	2012	117.5
632 TRINITY HILLS WIND 2	20INR0019	TRINITY_TH1_BUS2	YOUNG	WIND-O	WEST	2012	107.5
633 TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND-O	WEST	2008	169.5
634 TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND-O	NORTH	2017	125.6
635 WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND-O	SOUTH	2012	92.3
636 WINDTHORST 2 WIND		WNDTHST2_UNIT1	ARCHER	WIND-O	WEST	2014	67.6
637 WKN MOZART WIND		MOZART_WIND_1	KENT	WIND-O	WEST	2012	30.0
638 WILLOW SPRINGS WIND A		SALVTION_UNIT1	HASKELL	WIND-O	WEST	2017	125.0
639 WILLOW SPRINGS WIND B		SALVTION_UNIT2	HASKELL	WIND-O	WEST	2017	125.0
640 WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND-O	NORTH	2008	112.5
641 TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND-O	WEST	2008	2.0
642 Operational Capacity Total (Wind)							23,864.8
643							
644 Operational Wind Capacity Sub-total (Coastal Counties)		WIND_OPERATIONAL_C					3,290
645 Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				66.0
646							
647 Operational Wind Capacity Sub-total (Panhandle Counties)		WIND_OPERATIONAL_P					4,409
648 Wind Peak Average Capacity Percentage (Panhandle)		WIND_PEAK_PCT_P					36.0
649							
650 Operational Wind Capacity Sub-total (Other Counties)		WIND_OPERATIONAL_O					16,166
651 Wind Peak Average Capacity Percentage (Other)		WIND_PEAK_PCT_O					34.0
652							
653 Operational Resources (Solar)							
654 ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
655 BHE SOLAR PEARL PROJECT (SIRIUS 2)		SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
656 BLUEBELL SOLAR (CAPRICORN RIDGE SOLAR)		CAPRIDG4_BB_PV	STERLING	SOLAR	WEST	2019	30.0
657 BNB LAMESA SOLAR (PHASE I)		LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
658 BNB LAMESA SOLAR (PHASE II)		LMESASLR_IVORY	DAWSON	SOLAR	WEST	2018	50.0
659 CASTLE GAP SOLAR		CASL_GAP_UNIT1	UPTON	SOLAR	WEST	2018	180.0
660 FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2015	22.0
661 FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
662 OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
663 OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
664 OCI ALAMO 5 (DOWNIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
665 OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
666 OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	112.0
667 PHOEBE SOLAR 1		PHOEBE_UNIT1	WINKLER	SOLAR	WEST	2019	125.1
668 PHOEBE SOLAR 2		PHOEBE_UNIT2	WINKLER	SOLAR	WEST	2019	128.1
669 RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
670 RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
671 RIGGINS (SE BUCKTHORN WESTEX SOLAR)		RIGGINS_UNIT1	PECOS	SOLAR	WEST	2018	150.0
672 SOLAIREHOLMAN 1		LASSO_UNIT1	BREWSTER	SOLAR	WEST	2018	50.0
673 SP-TX-12-PHASE B		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
674 WAYMARK SOLAR		WAYMARK_UNIT1	UPTON	SOLAR	WEST	2018	182.0
675 WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
676 WEST OF PECOS SOLAR		W_PECOS_UNIT1	REEVES	SOLAR	WEST	2019	101.0
677 ALEXIS SOLAR		DG_ALEXIS_ALEXIS	BROOKS	SOLAR	SOUTH	2019	10.0
678 BECK 1		DG_CECOSOLAR_DG_B	BEXAR	SOLAR	SOUTH	2016	1.0
679 BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
680 BLUE WING 2 SOLAR		DG_ELMEN_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
681 BOVINE SOLAR LLC		DG_BOVINE_BOVINE	AUSTIN	SOLAR	SOUTH	2018	5.0
682 BOVINE SOLAR LLC		DG_BOVINE2_BOVINE	AUSTIN	SOLAR	SOUTH	2018	5.0
683 BRONSON SOLAR I		DG_BRNSN_BRNSN	FORT BEND	SOLAR	HOUSTON	2018	5.0
684 BRONSON SOLAR II		DG_BRNSN2_BRNSN2	FORT BEND	SOLAR	HOUSTON	2018	5.0
685 CASCADE SOLAR I		DG_CASCADE_CASCA	WHARTON	SOLAR	SOUTH	2018	5.0
686 CASCADE SOLAR II		DG_CASCADE2_CASC	WHARTON	SOLAR	SOUTH	2018	5.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
687 CHISUM SOLAR		DG_CHISUM_CHISUM	LAMAR	SOLAR	NORTH	2018	10.0
688 COMMERCE_SOLAR		DG_X443PV1_SWRI_f	BEXAR	SOLAR	SOUTH	2019	5.0
689 EDDY SOLAR II		DG_EDDYII_EDDYII	MCLENNAN	SOLAR	NORTH	2018	10.0
690 FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
691 GRIFFIN SOLAR		DG_GRIFFIN_GRIFFIN	MCLENNAN	SOLAR	NORTH	2019	5.0
692 HIGHWAY 56		DG_HWY56_HWY56	GRAYSON	SOLAR	NORTH	2017	5.3
693 HM SEALY SOLAR 1		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
694 LAMPWICK SOLAR		DG_LAMPWICK_LAMP	MENARD	SOLAR	SOUTH	2019	7.5
695 LEON		DG_LEON_LEON	HUNT	SOLAR	NORTH	2017	10.0
696 MARLIN		DG_MARLIN_MARLIN	FALLS	SOLAR	NORTH	2017	5.3
697 MARS SOLAR (DG)		DG_MARS_MARS	WEBB	SOLAR	SOUTH	2019	10.0
698 NORTH GAINESVILLE		DG_NGNSVL_NGAINES	COOKE	SOLAR	NORTH	2017	5.2
699 OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
700 OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
701 POWERFIN KINGSBERY		DG_PFK_PFKPV	TRAVIS	SOLAR	SOUTH	2017	2.6
702 RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSEVRSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
703 STERLING		DG_STRLING_STRLIN	HUNT	SOLAR	NORTH	2018	10.0
704 SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
705 SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
706 SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
707 SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
708 WALNUT SPRINGS		DG_WLNTSPRG_1UNI	BOSQUE	SOLAR	NORTH	2016	10.0
709 WEST MOORE II		DG_WMOOREII_WMOI	GRAYSON	SOLAR	NORTH	2018	5.0
710 WHITESBORO		DG_WBORO_WHTSBC	GRAYSON	SOLAR	NORTH	2017	5.0
711 WHITESBORO II		DG_WBOROII_WHBOF	GRAYSON	SOLAR	NORTH	2017	5.0
712 WHITEWRIGHT		DG_WHTRT_WHTRGH	FANNIN	SOLAR	NORTH	2017	10.0
713 WHITNEY SOLAR		DG_WHITNEY_SOLAR	BOSQUE	SOLAR	NORTH	2017	10.0
714 YELLOW JACKET SOLAR		DG_YLWJACKET_YLW	BOSQUE	SOLAR	NORTH	2018	5.0
715 Operational Capacity Total (Solar)							2,273.1
716 Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				62.0
717							
718 Operational Resources (Storage)							
719 BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	30.0
720 CASTLE GAP BATTERY		CASL_GAP_BATTERY	UPTON	STORAGE	WEST	2019	9.9
721 INADALE ESS		INDL_ESS	NOLAN	STORAGE	WEST	2018	9.9
722 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2013	33.7
723 OCI ALAMO 1		OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	1.0
724 PORT LAVACA BATTERY		PTLBES_BESS1	CALHOUN	STORAGE	SOUTH	2019	9.9
725 PROSPECT STORAGE		WCOLLDG_BSS_U1	BRAZORIA	STORAGE	HOUSTON	2019	9.9
726 PYRON ESS		PYR_ESS	SCURRY	STORAGE	WEST	2018	9.9
727 YOUNICOS FACILITY		YOUNICOS_YINC1_1	TRAVIS	STORAGE	SOUTH	2015	2.0
728 KINGSBERY ENERGY STORAGE SYSTEM		DG_KB_ESS_KB_ESS	TRAVIS	STORAGE	SOUTH	2017	1.5
729 MU ENERGY STORAGE SYSTEM		DG_MU_ESS_MU_ESS	TRAVIS	STORAGE	SOUTH	2018	1.5
730 TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	STORAGE	WEST	2017	2.0
731 Operational Capacity Total (Storage)							121.2
732 Storage Peak Average Capacity Percentage		STORAGE_PEAK_PCT	%				-
733							
734 Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT					-
735							
736 Capacity Pending Retirement		PENDRETIRE_CAP					-
737							
738 Non-Synchronous Tie Resources							
739 EAST TIE		DC_E	FANNIN	OTHER	NORTH		600.0
740 NORTH TIE		DC_N	WILBARGER	OTHER	WEST		220.0
741 EAGLE PASS TIE		DC_S	MAVERICK	OTHER	SOUTH		30.0
742 LAREDO VFT TIE		DC_L	WEBB	OTHER	SOUTH		100.0
743 SHARYLAND RAILROAD TIE		DC_R	HIDALGO	OTHER	SOUTH		300.0
744 Non-Synchronous Ties Total							1,250.0
745 Non-Synchronous Ties Peak Average Capacity Percentage		DCTIE_PEAK_PCT	%				67.0
746							
747 Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies							
748 FRIENDSWOOD II		19INR0180	BRAZORIA	GAS	COASTAL	2021	-
749 HALYARD WHARTON ENERGY CENTER		16INR0044	WHARTON	GAS	SOUTH	2021	-
750 HUDSON (BRAZORIA ENERGY G)		16INR0076	BRAZORIA	GAS	COASTAL	2020	96.0
751 MIRAGE		17INR0022	HARRIS	GAS	HOUSTON	2020	-
752 PES1		20INR0206	HARRIS	GAS	HOUSTON	2020	-
753 Planned Capacity Total (Nuclear, Coal, Gas, Biomass)							96.0
754							
755 Planned Wind Resources with Executed SGIA							
756 CHALUPA WIND		20INR0042	CAMERON	WIND-C	COASTAL	2020	-
757 CHOCOLATE BAYOU W		16INR0074	BRAZORIA	WIND-C	COASTAL	2021	-
758 CRANEL WIND		19INR0112	REFUGIO	WIND-C	COASTAL	2020	-
759 EAST RAYMOND WIND		18INR0059	WILLACY	WIND-C	COASTAL	2020	-
760 ESPIRITU WIND		17INR0031	CAMERON	WIND-C	COASTAL	2020	-
761 LAS MAJADAS WIND		17INR0035	WILLACY	WIND-C	COASTAL	2020	-
762 MONTE ALTO I		19INR0022	WILLACY	WIND-C	COASTAL	2021	-
763 PALMAS ALTAS WIND		17INR0037	CAMERON	WIND-C	COASTAL	2020	144.9
764 PEYTON CREEK WIND		18INR0018	MATAGORDA	WIND-C	COASTAL	2020	151.2
765 SHAFFER (PATRIOT WIND/PETRONILLA)		11INR0062	NUECES	WIND-C	COASTAL	2020	226.0
766 WEST RAYMOND (EL TRUENO) WIND		20INR0088	WILLACY	WIND-C	COASTAL	2020	-
767 GOODNIGHT WIND		14INR0033	ARMSTRONG	WIND-P	PANHANDLE	2020	-
768 HART WIND		16INR0033	CASTRO	WIND-P	PANHANDLE	2021	-
769 MARIAH DEL ESTE		13INR0010a	PARMER	WIND-P	PANHANDLE	2020	-
770 NORTHDRAW WIND		13INR0025	RANDALL	WIND-P	PANHANDLE	2020	-
771 PANHANDLE WIND 3		14INR0030c	CARSON	WIND-P	PANHANDLE	2022	-
772 PUMPKIN FARM WIND		16INR0037c	FLOYD	WIND-P	PANHANDLE	2020	-
773 WILDROSE WIND (SWISHER WIND)		13INR0038	SWISHER	WIND-P	PANHANDLE	2021	-
774 AVIATOR WIND		19INR0156	COKE	WIND-O	WEST	2020	-
775 BAIRD NORTH WIND		20INR0083	CALLAHAN	WIND-O	WEST	2021	-
776 BARROW RANCH (JUMBO HILL WIND)		18INR0038	ANDREWS	WIND-O	WEST	2020	160.0
777 BIG SAMPSON WIND		16INR0104	CROCKETT	WIND-O	WEST	2021	-
778 BLACKJACK CREEK WIND		20INR0068	BEE	WIND-O	SOUTH	2021	-
779 BLUE SUMMIT WIND 2		18INR0070	WILBARGER	WIND-O	WEST	2020	-
780 BLUE SUMMIT WIND 3		19INR0182	WILBARGER	WIND-O	WEST	2020	-
781 CACTUS FLATS WIND		16INR0086	CONCHO	WIND-O	WEST	2020	-
782 CANYON WIND		18INR0030	SCURRY	WIND-O	WEST	2021	-
783 COYOTE WIND		17INR0027b	SCURRY	WIND-O	WEST	2020	-
784 EDMONDSON RANCH WIND		18INR0043	GLASSCOCK	WIND-O	WEST	2021	-

		GENERATION INTERCONNECTION					START	CAPACITY
UNIT NAME	PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	YEAR	(MW)	
785 GOPHER CREEK WIND	181NR0067		BORDEN	WIND-O	WEST	2020	158.0	
786 GRIFFIN TRAIL WIND	201NR0052		KNOX	WIND-O	WEST	2020	-	
787 HARALD (BEARKAT WIND B)	151NR0064b		GLASSCOCK	WIND-O	WEST	2020	-	
788 HIDALGO II WIND	191NR0053		HIDALGO	WIND-O	SOUTH	2020	51.0	
789 HIGH LONESOME W	191NR0038		CROCKETT	WIND-O	WEST	2019	449.5	
790 HIGH LONESOME WIND PHASE II	201NR0262		CROCKETT	WIND-O	WEST	2020	50.6	
791 KAISER CREEK WIND	181NR0042		CALLAHAN	WIND-O	WEST	2020	-	
792 KONTIKI 1 WIND (ERIK)	191NR0099a		GLASSCOCK	WIND-O	WEST	2021	-	
793 KONTIKI 2 WIND (ERNEST)	191NR0099b		GLASSCOCK	WIND-O	WEST	2022	-	
794 LAS LOMAS WIND	161NR0111		STARR	WIND-O	SOUTH	2020	-	
795 LOMA PINTA WIND	161NR0112		LA SALLE	WIND-O	SOUTH	2020	-	
796 LORAIN WINDPARK PHASE III	181NR0068		MITCHELL	WIND-O	WEST	2021	-	
797 MARYNEAL WINDPOWER	181NR0031		NOLAN	WIND-O	WEST	2021	-	
798 MAVERICK CREEK I	201NR0045		CONCHO	WIND-O	WEST	2020	-	
799 MAVERICK CREEK II	201NR0046		CONCHO	WIND-O	WEST	2020	-	
800 MESTENO WIND	161NR0081		STARR	WIND-O	SOUTH	2020	201.6	
801 OVEJA WIND	181NR0033		IRION	WIND-O	WEST	2020	300.0	
802 PRAIRIE HILL WIND	191NR0100		MCLENNAN	WIND-O	NORTH	2020	-	
803 RANCHERO WIND	201NR0011		CROCKETT	WIND-O	WEST	2020	300.0	
804 RELOJ DEL SOL WIND	171NR0025		ZAPATA	WIND-O	SOUTH	2020	-	
805 RTS 2 WIND (HEART OF TEXAS WIND)	181NR0016		MCULLOCH	WIND-O	SOUTH	2020	-	
806 SAGE DRAW WIND	191NR0163		LYNN	WIND-O	WEST	2020	338.0	
807 TG EAST WIND	191NR0052		KNOX	WIND-O	WEST	2021	-	
808 VERA WIND	191NR0051		KNOX	WIND-O	WEST	2020	-	
809 WHITE MESA WIND	191NR0128		CROCKETT	WIND-O	WEST	2020	-	
810 WHITEHORSE WIND	191NR0080		FISHER	WIND-O	WEST	2020	418.9	
811 WILSON RANCH (INFINITY LIVE OAK WIND)	121NR0060		SCHLEICHER	WIND-O	WEST	2020	199.5	
812 WKN AMADEUS WIND	141NR0009		FISHER	WIND-O	WEST	2020	-	
813 Planned Capacity Total (Wind)							3,149.2	
814								
815 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					522	
816 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_%					66.0	
817								
818 Planned Wind Capacity Sub-total (Panhandle Counties)		WIND_PLANNED_P					-	
819 Wind Peak Average Capacity Percentage (Panhandle)		WIND_PL_PEAK_PCT_P					36.0	
820								
821 Planned Wind Capacity Sub-total (Other counties)		WIND_PLANNED_O					2,627	
822 Wind Peak Average Capacity Percentage (Other)		WIND_PL_PEAK_PCT_O					34.0	
823								
824 Planned Solar Resources with Executed SGIA								
825 AGATE SOLAR	201NR0023		ELLIS	SOLAR	NORTH	2020	-	
826 ANSON SOLAR	191NR0081		JONES	SOLAR	WEST	2020	-	
827 ARAGORN SOLAR	191NR0088		CULBERSON	SOLAR	WEST	2021	-	
828 BRAVEPOST SOLAR	201NR0053		TOM GREEN	SOLAR	WEST	2021	-	
829 CORAZON SOLAR	151NR0044		WEBB	SOLAR	SOUTH	2020	-	
830 COTTONWOOD BAYOU	191NR0134		BRAZORIA	SOLAR	COASTAL	2021	-	
831 CROWDED STAR SOLAR	201NR0241		JONES	SOLAR	WEST	2021	-	
832 ELARA SOLAR	211NR0276		FRIO	SOLAR	SOUTH	2021	-	
833 EMERALD GROVE SOLAR (PECOS SOLAR POWER I)	151NR0059		PECOS	SOLAR	WEST	2021	-	
834 EUNICE SOLAR	201NR0219		ANDREWS	SOLAR	WEST	2020	-	
835 FORT BEND SOLAR	181NR0053		FORT BEND	SOLAR	HOUSTON	2021	-	
836 FOWLER RANCH	181NR0039		CRANE	SOLAR	WEST	2020	-	
837 GALLOWAY 1 SOLAR	191NR0121		CONCHO	SOLAR	WEST	2021	-	
838 GALLOWAY 2 SOLAR	211NR0431		CONCHO	SOLAR	WEST	2021	-	
839 GARNET SOLAR	201NR0021		WILLIAMSON	SOLAR	SOUTH	2020	-	
840 GREASEWOOD SOLAR	191NR0034		PECOS	SOLAR	WEST	2020	-	
841 HOLSTEIN SOLAR	191NR0009		NOLAN	SOLAR	WEST	2020	-	
842 HORIZON SOLAR	211NR0261		FRIO	SOLAR	SOUTH	2021	-	
843 HOVEY (BARILLA SOLAR 1B)	121NR0059b		PECOS	SOLAR	WEST	2020	-	
844 IMPACT SOLAR	191NR0151		LAMAR	SOLAR	NORTH	2020	-	
845 IP TITAN	201NR0032		CULBERSON	SOLAR	WEST	2021	-	
846 JUNO SOLAR	211NR0026		BORDEN	SOLAR	WEST	2021	-	
847 KELLAM SOLAR	201NR0261		VAN ZANDT	SOLAR	NORTH	2020	-	
848 LAPETUS SOLAR	191NR0185		ANDREWS	SOLAR	WEST	2020	100.0	
849 LILY SOLAR	191NR0044		KAUFMAN	SOLAR	NORTH	2021	-	
850 LONG DRAW SOLAR	181NR0055		BORDEN	SOLAR	WEST	2020	-	
851 LONG POINT SOLAR	191NR0042		BRAZORIA	SOLAR	COASTAL	2021	-	
852 MISAE SOLAR	181NR0045		CHILDRESS	SOLAR	PANHANDLE	2020	240.8	
853 MISAE SOLAR II	201NR0091		CHILDRESS	SOLAR	PANHANDLE	2021	-	
854 MORROW LAKE SOLAR	191NR0155		FRIO	SOLAR	SOUTH	2021	-	
855 MURPHY LAKE SOLAR	191NR0033		KAUFMAN	SOLAR	NORTH	2021	-	
856 MUSTANG CREEK SOLAR	181NR0050		JACKSON	SOLAR	SOUTH	2021	-	
857 MYRTLE SOLAR	191NR0041		BRAZORIA	SOLAR	COASTAL	2021	-	
858 NAZARETH SOLAR	161NR0049		CASTRO	SOLAR	PANHANDLE	2022	-	
859 NORTON SOLAR	191NR0035		RUNNELS	SOLAR	WEST	2021	-	
860 OBERON SOLAR	191NR0083		ECTOR	SOLAR	WEST	2020	-	
861 OXY SOLAR	191NR0184		ECTOR	SOLAR	WEST	2020	-	
862 PFLUGERVILLE SOLAR	151NR0090		TRAVIS	SOLAR	SOUTH	2020	-	
863 PHOENIX SOLAR	191NR0091		FANNIN	SOLAR	NORTH	2021	-	
864 PROSPERO SOLAR	191NR0092		ANDREWS	SOLAR	WEST	2020	-	
865 PROSPERO SOLAR II	211NR0229		ANDREWS	SOLAR	WEST	2021	-	
866 QUEEN SOLAR	191NR0102		UPTON	SOLAR	WEST	2019	200.0	
867 QUEEN SOLAR PHASE II	201NR0298		UPTON	SOLAR	WEST	2020	-	
868 RAMBLER SOLAR	191NR0114		TOM GREEN	SOLAR	WEST	2020	-	
869 RAYOS DEL SOL	191NR0045		CAMERON	SOLAR	COASTAL	2020	-	
870 RE MAPLEWOOD 2A SOLAR	171NR0020a		PECOS	SOLAR	WEST	2021	-	
871 RE MAPLEWOOD 2B SOLAR	171NR0020b		PECOS	SOLAR	WEST	2020	-	
872 RE MAPLEWOOD 2C SOLAR	171NR0020c		PECOS	SOLAR	WEST	2021	-	
873 RIPPEY SOLAR	201NR0031		COOKE	SOLAR	NORTH	2020	-	
874 RODEO SOLAR	191NR0103		ANDREWS	SOLAR	WEST	2021	-	
875 SHAKES SOLAR	191NR0073		ZAVALA	SOLAR	SOUTH	2021	-	
876 SODA LAKE SOLAR 1	181NR0040		CRANE	SOLAR	WEST	2021	-	
877 SODA LAKE SOLAR 2	201NR0143		CRANE	SOLAR	WEST	2021	-	
878 SPINEL SOLAR	201NR0025		MEDINA	SOLAR	SOUTH	2020	-	
879 TAYGETE II SOLAR	211NR0233		PECOS	SOLAR	WEST	2021	-	
880 TAYGETE SOLAR	201NR0054		PECOS	SOLAR	WEST	2020	-	
881 TEXAS SOLAR NOVA	191NR0001		KENT	SOLAR	WEST	2022	-	
882 UPTON SOLAR	161NR0114		UPTON	SOLAR	WEST	2020	-	

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
883 WAGYU SOLAR	181NR0062		BRAZORIA	SOLAR	COASTAL	2020	-
884 Planned Capacity Total (Solar)							540.8
885 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PC1%					62.0
886							
887 Planned Storage Resources with Executed SGIA							
888 CHISHOLM GRID	201NR0089		TARRANT	STORAGE	NORTH	2020	-
889 EUNICE STORAGE	201NR0220		ANDREWS	STORAGE	WEST	2020	-
890 MADERO GRID	211NR0244		HIDALGO	STORAGE	SOUTH	2021	-
891 COMMERCE ST ESS		X443ESS1	BEXAR	STORAGE	SOUTH	2019	10.0
892 FLAT TOP BATTERY		FLTBES_BESS1	REEVES	STORAGE	WEST	2019	9.9
893 JOHNSON CITY BESS		JC_BAT	BLANCO	STORAGE	SOUTH	2020	2.3
894 RABBIT HILL ENERGY STORAGE PROJECT		RHESS2_ESS_1	WILLIAMSON	STORAGE	SOUTH	2019	9.9
895 WORSHAM BATTERY		WRSBES_BESS1	REEVES	STORAGE	WEST	2019	9.9
896 Planned Capacity Total (Storage)							42.0
897 Storage Peak Average Capacity Percentage		STORAGE_PL_PEAK_I%					-
898							
899 Seasonal Mothballed Resources							
900 GREGORY POWER PARTNERS GT1 (AS OF 10/17/2019)		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	152.0
901 GREGORY POWER PARTNERS GT2 (AS OF 10/17/2019)		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	151.0
902 GREGORY POWER PARTNERS STG (AS OF 10/17/2019)		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
903 SPENCER STG U4 (AS OF 10/3/2018)		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
904 SPENCER STG U5 (AS OF 10/3/2018)		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
905 Total Seasonal Mothballed Capacity							496.0
906							
907 Mothballed Resources							
908 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	430.0
909 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
910 Total Mothballed Capacity							850.0
911							
912 Retiring Resources Unavailable to ERCOT (since last CDR/SARA)							
913 Total Retiring Capacity							-

Notes:

Capacity changes due to planned repower/upgrade projects are reflected in the operational units' ratings upon (1) receipt and ERCOT approval of a new Resource Asset Registration Form (RARF). Projects associated with interconnection change requests that change the MW capacity by more than zero are indicated with a code in the "Generation Interconnection Project Code" column of operational units.

Although seasonal capacity ratings for battery energy storage systems are reported above, the ratings are not included in the operational/planned capacity formulae. These resources are assumed to provide regulation reserves rather than sustained capacity available to meet system peak loads.

* The projects listed in the 'Planned Storage Resources with Executed SGIA' section are all Distributed Generation Resources (DGRs). Since they are 10 MW or less, they are not going through the GINR application process.

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.