

FINAL
Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)
Winter 2019/2020

SUMMARY

ERCOT anticipates there will be sufficient installed generating capacity available to serve system-wide forecasted peak demand this winter.

ERCOT released its final Seasonal Assessment of Resource Adequacy (SARA) report for the upcoming winter season (December 2019 – February 2020).

The winter SARA includes a 62,257 MW winter peak demand forecast. The forecast is based on normal weather conditions during peak periods, from 2003 through 2017.

ERCOT's all-time winter peak demand record was set on Jan. 17, 2018, when demand reached 65,915 MW between 7 and 8 a.m.

More than 82,000 MW of resource capacity is expected to be available for peak demand this winter, including 136 MW of winter-rated resource capacity (gas-fired and wind) that has become commercially operable since the release of the preliminary winter SARA.

An additional 768 MW of planned winter-rated resource capacity is also expected to be available for the winter season. This includes new gas-fired generation as well as wind and utility-scale solar projects.

The winter SARA includes a unit outage forecast of 7,163 MW during the winter months, which is based on historical winter outage data compiled since 2016.

Seasonal Assessment of Resource Adequacy for the ERCOT Region
Winter 2019/20 - Final
Release Date: November 7, 2019

Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	68,537	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,710	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
Less Switchable Capacity Unavailable to ERCOT, MW	(812)	Based on survey responses of Switchable Generation Resource owners
Available Mothball Resources, MW	0	Based on units with seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	3,954	Average grid injection during the top 20 winter 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.
Non-Coastal Wind Resources Capacity Contribution, MW	3,887	Based on 20% of installed capacity for non-coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	1,283	Based on 43% of installed capacity for coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	225	Based on 12% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
Storage, Peak Average Capacity Contribution, MW	0	Based on 0% of rated capacity; resources assumed to provide regulation reserves rather than sustained capacity available to meet peak loads
RMR Resources to be under Contract, MW	0	
Capacity Pending Retirement	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	838	Based on import flows during most recent Energy Emergency Alert (EEA) intervals for the winter season (67% of installed capacity)
Planned Thermal Resources with Signed IA, Air Permits and Adeq. Water Supplies, MW	96	Based on in-service dates provided by developers
Planned Non-Coastal Wind with signed IA , MW	411	Based on in-service dates provided by developers and 20% of installed capacity for non-coastal wind resources
Planned Coastal Wind with signed IA , MW	229	Based on in-service dates provided by developers and 43% of installed capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	32	Based on in-service dates provided by developers and 12% of installed capacity for solar resources
Planned Storage, Peak Average Capacity Contribution, MW	0	Based on in-service dates provided by developers and a capacity contribution of 0% for storage resources
[a] Total Resources, MW	82,389	
[b] Peak Demand, MW	62,257	Based on average weather conditions at the time of the winter peak demand from 2003 – 2017
[c] Reserve Capacity [a - b], MW	20,132	

Range of Potential Risks

	Forecasted Season Peak Load	Extreme Peak Load / Typical Generation Outages During Extreme Peak Load	Extreme Peak Load / Extreme Generation Outages During Extreme Peak Load	
Seasonal Load Adjustment	--	7,793	7,793	Based on the 2011 winter, the extreme winter forecast is 70,050 MW
Typical Maintenance Outages, Thermal	3,648	3,648	3,648	Based on historical average of planned outages for December through February weekdays (starting in 2016)
Typical Forced Outages, Thermal	3,515	5,027	5,027	Based on historical average of forced outages for December through February weekdays (starting in 2016); both Extreme Load scenarios include typical outages/derates due to natural gas curtailments during extreme peak load hours
90th Percentile Forced Outages, Thermal	--	--	3,170	Based on historical forced outages at the 90% confidence interval plus additional derates due to natural gas curtailments resulting from combined low ambient temperatures and extreme peak loads
[d] Total Uses of Reserve Capacity	7,163	16,468	19,638	
[e] Capacity Available for Operating Reserves, Normal Operating Conditions (c-d), MW	12,969	3,664	494	See the Background tab for additional details

Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION		UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE							
Operational Resources (Thermal)								
4 COMANCHE PEAK U1			CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	1990	1,235.0
5 COMANCHE PEAK U2			CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,225.0
6 SOUTH TEXAS U1	20INR0287		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,340.0
7 SOUTH TEXAS U2			STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,340.0
8 COLETO CREEK			COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	655.0
9 FAYETTE POWER U1			FPFYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	603.0
10 FAYETTE POWER U2			FPFYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	605.0
11 FAYETTE POWER U3			FPFYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	449.0
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	950.0
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	169.0
31 ARTHUR VON ROSENBERG 1 CTG 2			BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	169.0
32 ARTHUR VON ROSENBERG 1 STG			BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	190.0
33 BARNEY M DAVIS REPOWER CTG 3			B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	165.0
34 BARNEY M DAVIS REPOWER CTG 4			B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	165.0
35 BARNEY M DAVIS REPOWER STG 2			B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	325.0
36 BASTROP ENERGY CENTER CTG 1			BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	167.0
37 BASTROP ENERGY CENTER CTG 2			BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	167.0
38 BASTROP ENERGY CENTER STG			BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	234.0
39 BOSQUE ENERGY CENTER CTG 1			BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	170.9
40 BOSQUE ENERGY CENTER STG 4			BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	85.2
41 BOSQUE ENERGY CENTER CTG 2			BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	170.9
42 BOSQUE ENERGY CENTER CTG 3			BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	168.5
43 BOSQUE ENERGY CENTER STG 5			BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	226.7
44 BRAZOS VALLEY CTG 1			BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	168.0
45 BRAZOS VALLEY CTG 2			BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	168.0
46 BRAZOS VALLEY STG 3			BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
47 CALENERGY-FALCON SEABOARD CTG 1			FLCNS_UNIT1	HOWARD	GAS	WEST	1987	77.5
48 CALENERGY-FALCON SEABOARD CTG 2			FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.5
49 CALENERGY-FALCON SEABOARD STG 3			FLCNS_UNIT3	HOWARD	GAS	WEST	1988	74.0
50 CALHOUN (PORT COMFORT) 1			CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	49.8
51 CALHOUN (PORT COMFORT) 2			CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	49.8
52 CEDAR BAYOU 4 CTG 1			CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	173.0
53 CEDAR BAYOU 4 CTG 2			CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	173.0
54 CEDAR BAYOU 4 STG			CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	186.0
55 COLORADO BEND ENERGY CENTER CTG 1			CBEC_GT1	WHARTON	GAS	SOUTH	2007	79.0
56 COLORADO BEND ENERGY CENTER CTG 2			CBEC_GT2	WHARTON	GAS	SOUTH	2007	72.0
57 COLORADO BEND ENERGY CENTER STG 1			CBEC_STG1	WHARTON	GAS	SOUTH	2007	102.0
58 COLORADO BEND ENERGY CENTER CTG 3			CBEC_GT3	WHARTON	GAS	SOUTH	2008	77.0
59 COLORADO BEND ENERGY CENTER CTG 4			CBEC_GT4	WHARTON	GAS	SOUTH	2008	73.0
60 COLORADO BEND ENERGY CENTER STG 2			CBEC_STG2	WHARTON	GAS	SOUTH	2008	108.0
61 COLORADO BEND II CT7			CBECII_CT7	WHARTON	GAS	SOUTH	2017	361.0
62 COLORADO BEND II CT8			CBECII_CT8	WHARTON	GAS	SOUTH	2017	357.9
63 COLORADO BEND II ST8			CBECII_STG9	WHARTON	GAS	SOUTH	2017	492.9
64 CVC CHANNELVIEW CTG 1			CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	185.0
65 CVC CHANNELVIEW CTG 2			CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	182.0
66 CVC CHANNELVIEW CTG 3			CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	181.0
67 CVC CHANNELVIEW STG 5			CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	144.0
68 DEER PARK ENERGY CENTER CTG 1			DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	203.0
69 DEER PARK ENERGY CENTER CTG 2			DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	215.0
70 DEER PARK ENERGY CENTER CTG 3			DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	203.0
71 DEER PARK ENERGY CENTER CTG 4			DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	215.0
72 DEER PARK ENERGY CENTER STG			DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
73 DEER PARK ENERGY CENTER CTG 6			DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	190.0
74 ENNIS POWER STATION CTG 2			ETCCS_CT1	ELLIS	GAS	NORTH	2002	245.0
75 ENNIS POWER STATION STG 1			ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	116.0
76 FERGUSON REPLACEMENT CTG1			FERGCC_FERGCT1	LLANO	GAS	SOUTH	2014	180.0
77 FERGUSON REPLACEMENT CTG2			FERGCC_FERGCT2	LLANO	GAS	SOUTH	2014	180.0
78 FERGUSON REPLACEMENT STG			FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	194.0
79 FORNEY ENERGY CENTER CTG 11			FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	195.0
80 FORNEY ENERGY CENTER CTG 12			FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	185.0
81 FORNEY ENERGY CENTER CTG 13			FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	185.0
82 FORNEY ENERGY CENTER CTG 21			FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	195.0
83 FORNEY ENERGY CENTER CTG 22			FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	185.0
84 FORNEY ENERGY CENTER CTG 23			FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	185.0
85 FORNEY ENERGY CENTER STG 10			FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	418.0
86 FORNEY ENERGY CENTER STG 20			FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	418.0
87 FREESTONE ENERGY CENTER CTG 1			FREC_GT1	FREESTONE	GAS	NORTH	2002	160.7
88 FREESTONE ENERGY CENTER CTG 2			FREC_GT2	FREESTONE	GAS	NORTH	2002	160.7
89 FREESTONE ENERGY CENTER STG 3			FREC_ST3	FREESTONE	GAS	NORTH	2002	179.8
90 FREESTONE ENERGY CENTER CTG 4			FREC_GT4	FREESTONE	GAS	NORTH	2002	161.1
91 FREESTONE ENERGY CENTER CTG 5			FREC_GT5	FREESTONE	GAS	NORTH	2002	161.1
92 FREESTONE ENERGY CENTER STG 6			FREC_ST6	FREESTONE	GAS	NORTH	2002	179.7
93 GUADALUPE ENERGY CENTER CTG 1			GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	167.0
94 GUADALUPE ENERGY CENTER CTG 2			GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	167.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
95 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	167.0
96 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	167.0
97 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	203.0
98 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	203.0
99 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	239.0
100 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	240.0
101 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	242.0
102 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	243.0
103 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	150.0
104 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	150.0
105 HIDALGO ENERGY CENTER CTG 3		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	176.0
106 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	160.0
107 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	160.0
108 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	293.0
109 JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	165.0
110 JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	165.0
111 JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	310.0
112 JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	177.0
113 JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
114 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	186.0
115 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	178.0
116 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	178.0
117 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	186.0
118 LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
119 LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
120 LOST PINES POWER CTG 1		LOSTPL_LOSTPGT1	BASTROP	GAS	SOUTH	2001	183.0
121 LOST PINES POWER CTG 2		LOSTPL_LOSTPGT2	BASTROP	GAS	SOUTH	2001	183.0
122 LOST PINES POWER STG		LOSTPL_LOSTPST1	BASTROP	GAS	SOUTH	2001	192.0
123 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	218.6
124 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	218.6
125 MAGIC VALLEY STATION CTG 3		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	257.9
126 MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	258.0
127 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	256.0
128 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	255.0
129 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	258.0
130 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	276.0
131 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	278.0
132 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	165.0
133 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	165.0
134 NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	325.0
135 ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	187.0
136 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	180.9
137 ODESSA-ECTOR POWER CTG 21	20INR0282	OECCS_CT21	ECTOR	GAS	WEST	2001	154.0
138 ODESSA-ECTOR POWER CTG 22	20INR0282	OECCS_CT22	ECTOR	GAS	WEST	2001	152.3
139 ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	217.0
140 ODESSA-ECTOR POWER STG 2	20INR0282	OECCS_UNIT2	ECTOR	GAS	WEST	2001	212.0
141 PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
142 PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
143 PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	333.6
144 PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
145 PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
146 PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	333.6
147 PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
148 PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
149 PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	333.6
150 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	87.0
151 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	87.0
152 PARIS ENERGY CENTER CTG 3		TNSKA_STG	LAMAR	GAS	NORTH	1990	89.0
153 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	176.0
154 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	176.0
155 PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	169.0
156 QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	84.0
157 QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	86.0
158 QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
159 QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	81.0
160 QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	81.0
161 QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
162 RIO NOGALES POWER CTG 1	19INR0205	RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	190.0
163 RIO NOGALES POWER CTG 2	20INR0272	RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	173.0
164 RIO NOGALES POWER CTG 3	21INR0328	RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	173.0
165 RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
166 SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
167 SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
168 SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
169 SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
170 SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	175.0
171 SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	150.0
172 SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	21.0
173 SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	49.0
174 T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	69.0
175 T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	69.0
176 T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	69.0
177 T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	69.0
178 T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	110.0
179 T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	69.0
180 T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	69.0
181 T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	69.0
182 T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	69.0
183 T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	110.0
184 TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	102.4
185 TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	102.4
186 TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	102.4
187 TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
188 VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
189 VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
190 WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
191 WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
192 WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
193 WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	16.0
194 WISE-TRACTEBEL POWER CTG 1	20INR0286	WCPP_CT1	WISE	GAS	NORTH	2004	251.0
195 WISE-TRACTEBEL POWER CTG 2	20INR0286	WCPP_CT2	WISE	GAS	NORTH	2004	256.0
196 WISE-TRACTEBEL POWER STG 1		WCPP_ST1	WISE	GAS	NORTH	2004	298.0
197 WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	249.0
198 WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	249.0
199 WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	293.0
200 WOLF HOLLOW 2 CT4		WHCCS2_CT4	HOOD	GAS	NORTH	2017	353.3
201 WOLF HOLLOW 2 CT5		WHCCS2_CT5	HOOD	GAS	NORTH	2017	354.6
202 WOLF HOLLOW 2 STG6		WHCCS2_STG6	HOOD	GAS	NORTH	2017	485.1
203 ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	20.0
204 CASTLEMAN CHAMON 1		CHAMON_CTG_0101	HARRIS	GAS	HOUSTON	2017	49.8
205 CASTLEMAN CHAMON 2		CHAMON_CTG_0301	HARRIS	GAS	HOUSTON	2017	49.8
206 DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	48.0
207 DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	50.0
208 DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	54.0
209 DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	54.0
210 DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	54.0
211 DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	54.0
212 DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	88.0
213 DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	87.0
214 DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	86.0
215 DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	86.0
216 ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	170.4
217 ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	170.4
218 ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	200.0
219 EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	40.0
220 EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	40.0
221 EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	40.0
222 EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	40.0
223 FRIENDSWOOD G		FECC_UNIT1	HARRIS	GAS	HOUSTON	2018	119.0
224 GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	65.0
225 GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	65.0
226 GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	65.0
227 GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
228 GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	65.0
229 GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	65.0
230 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
231 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
232 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
233 LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	97.4
234 LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	94.4
235 LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
236 LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
237 LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	46.0
238 LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
239 MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	82.0
240 MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	80.0
241 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	80.0
242 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	81.0
243 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	80.0
244 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	82.0
245 DENTON ENERGY CENTER A		DEC_AGR_A	DENTON	GAS	NORTH	2018	56.5
246 DENTON ENERGY CENTER B		DEC_AGR_B	DENTON	GAS	NORTH	2018	56.5
247 DENTON ENERGY CENTER C		DEC_AGR_C	DENTON	GAS	NORTH	2018	56.5
248 DENTON ENERGY CENTER D		DEC_AGR_D	DENTON	GAS	NORTH	2018	56.5
249 PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
250 PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
251 PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
252 PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
253 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	79.0
254 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	76.0
255 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	78.0
256 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	75.0
257 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	79.0
258 PHR PEAKERS (BAC) CTG 1		BAC_CTG1	GALVESTON	GAS	HOUSTON	2018	65.0
259 PHR PEAKERS (BAC) CTG 2		BAC_CTG2	GALVESTON	GAS	HOUSTON	2018	65.0
260 PHR PEAKERS (BAC) CTG 3		BAC_CTG3	GALVESTON	GAS	HOUSTON	2018	65.0
261 PHR PEAKERS (BAC) CTG 4		BAC_CTG4	GALVESTON	GAS	HOUSTON	2018	65.0
262 PHR PEAKERS (BAC) CTG 5		BAC_CTG5	GALVESTON	GAS	HOUSTON	2018	64.0
263 PHR PEAKERS (BAC) CTG 6		BAC_CTG6	GALVESTON	GAS	HOUSTON	2018	65.0
264 REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
265 REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
266 REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
267 REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
268 R W MILLER CTG 4		MIL_MILLER4	PALO PINTO	GAS	NORTH	1994	115.0
269 R W MILLER CTG 5		MIL_MILLER5	PALO PINTO	GAS	NORTH	1994	115.0
270 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	84.0
271 SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
272 SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
273 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	87.0
274 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	87.0
275 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	48.0
276 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	48.0
277 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	48.0
278 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	48.0
279 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	48.0
280 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	48.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
281	SILAS RAY CTG 10	SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
282	SKY GLOBAL POWER ONE A	SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
283	SKY GLOBAL POWER ONE B	SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
284	T H WHARTON CTG 51	THW_THWGT51	HARRIS	GAS	HOUSTON	1975	65.0
285	T H WHARTON CTG 52	THW_THWGT52	HARRIS	GAS	HOUSTON	1975	65.0
286	T H WHARTON CTG 53	THW_THWGT53	HARRIS	GAS	HOUSTON	1975	65.0
287	T H WHARTON CTG 54	THW_THWGT54	HARRIS	GAS	HOUSTON	1975	65.0
288	T H WHARTON CTG 55	THW_THWGT55	HARRIS	GAS	HOUSTON	1975	65.0
289	T H WHARTON CTG 56	THW_THWGT56	HARRIS	GAS	HOUSTON	1975	65.0
290	T H WHARTON CTG G1	THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
291	TEXAS GULF SULPHUR	TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	80.0
292	VICTORIA PORT (VICTPORT) CTG 1	VICTPORT_CTG01	VICTORIA	GAS	SOUTH	2019	49.8
293	VICTORIA PORT (VICTPORT) CTG 2	VICTPORT_CTG02	VICTORIA	GAS	SOUTH	2019	49.8
294	V H BRAUNIG CTG 5	BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
295	V H BRAUNIG CTG 6	BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
296	V H BRAUNIG CTG 7	BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
297	V H BRAUNIG CTG 8	BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
298	W A PARISH CTG 1	WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
299	WINCHESTER POWER PARK CTG 1	WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	46.0
300	WINCHESTER POWER PARK CTG 2	WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	46.0
301	WINCHESTER POWER PARK CTG 3	WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	46.0
302	WINCHESTER POWER PARK CTG 4	WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	46.0
303	B M DAVIS STG U1	B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
304	CEDAR BAYOU STG U1	CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
305	CEDAR BAYOU STG U2	CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
306	DANSBY STG U1	DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	110.0
307	DECKER CREEK STG U1	DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
308	DECKER CREEK STG U2	DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	428.0
309	GRAHAM STG U1	GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
310	GRAHAM STG U2	GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
311	HANDLEY STG U3	HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
312	HANDLEY STG U4	HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
313	HANDLEY STG U5	HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
314	LAKE HUBBARD STG U1	LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
315	LAKE HUBBARD STG U2	LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
316	MOUNTAIN CREEK STG U6	MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
317	MOUNTAIN CREEK STG U7	MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
318	MOUNTAIN CREEK STG U8	MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
319	O W SOMMERS STG U1	CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
320	O W SOMMERS STG U2	CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
321	POWERLANE PLANT STG U1	STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	17.5
322	POWERLANE PLANT STG U2	STEAM_STEAM_2	HUNT	GAS	NORTH	1967	23.5
323	POWERLANE PLANT STG U3	STEAM_STEAM_3	HUNT	GAS	NORTH	1978	39.5
324	R W MILLER STG U1	MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
325	R W MILLER STG U2	MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
326	R W MILLER STG U3	MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
327	RAY OLINGER STG U1	OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
328	RAY OLINGER STG U2	OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
329	RAY OLINGER STG U3	OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
330	SIM GIDEON STG U1	GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
331	SIM GIDEON STG U2	GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
332	SIM GIDEON STG U3	GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	340.0
333	STRYKER CREEK STG U1	SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
334	STRYKER CREEK STG U2	SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
335	TRINIDAD STG U6	TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
336	V H BRAUNIG STG U1	BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
337	V H BRAUNIG STG U2	BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
338	V H BRAUNIG STG U3	BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
339	W A PARISH STG U1	WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
340	W A PARISH STG U2	WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
341	W A PARISH STG U3	WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	258.0
342	W A PARISH STG U4	WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	552.0
343	NACOGDOCHES POWER	NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
344	BIOENERGY AUSTIN WALZEM RD LFG	DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
345	BIOENERGY TEXAS COVEL GARDENS LFG	DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
346	GRAND PRAIRIE LFG	DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
347	NELSON GARDENS LFG	DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
348	SKYLINE LFG	DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
349	WM RENEWABLE-AUSTIN LFG	DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
350	WM RENEWABLE-DFW GAS RECOVERY LFG	DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
351	WM RENEWABLE-BIOENERGY PARTNERS LFG	DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
352	WM RENEWABLE-MESQUITE CREEK LFG	DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
353	WM RENEWABLE-WESTSIDE LFG	DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
354	FARMERS BRANCH LANDFILL GAS TO ENERGY	DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2
355	Operational Capacity Total (Nuclear, Coal, Gas, Biomass)						68,104.6
356							
357	Operational Resources (Hydro)						
358	AMISTAD HYDRO 1	AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
359	AMISTAD HYDRO 2	AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
360	AUSTIN HYDRO 1	AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
361	AUSTIN HYDRO 2	AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
362	BUCHANAN HYDRO 1	BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
363	BUCHANAN HYDRO 2	BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
364	BUCHANAN HYDRO 3	BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
365	DENISON DAM 1	DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
366	DENISON DAM 2	DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
367	EAGLE PASS HYDRO	EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
368	FALCON HYDRO 1	FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
369	FALCON HYDRO 2	FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
370	FALCON HYDRO 3	FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
371	GRANITE SHOALS HYDRO 1	WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
372	GRANITE SHOALS HYDRO 2	WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
373	GUADALUPE BLANCO RIVER AUTH-CANYON	CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
374 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
375 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
376 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
377 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
378 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
379 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
380 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	22.0
381 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	22.0
382 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
383 CITY OF GONZALES HYDRO		DG_GONZ_HYDRO_GONZ_H1	GONZALES	HYDRO	SOUTH	1986	1.5
384 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
385 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
386 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
387 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
388 Operational Capacity Total (Hydro)							552.6
389 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					432.4
390							
391 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					-
392 Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					68,537.0
393							
394 Operational Resources (Switchable)							
395 ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	56.0
396 ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	56.0
397 ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	56.0
398 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	200.0
399 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	200.0
400 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	167.0
401 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	164.0
402 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	310.0
403 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	170.0
404 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	173.0
405 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	310.0
406 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
407 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
408 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
409 TENASKA FRONTIER STATION CTG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
410 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
411 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
412 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
413 TENASKA GATEWAY STATION CTG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
414 Switchable Capacity Total							3,710.0
415							
416 Switchable Capacity Unavailable to ERCOT							
417 ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56)
418 ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56)
419 ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	-
420 ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(200)
421 ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(200)
422 TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	GRIMES	GAS	NORTH	2016	(300)
423 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					(812)
424							
425 Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL					-
426							
427 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,962.6
428 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			(9.0)
429							
430 Operational Resources (Wind)							
431 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
432 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
433 BLUE SUMMIT WIND 1 A		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
434 BLUE SUMMIT WIND 1 B		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
435 BOBCAT BLUFF WIND	18INR0078	BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	162.0
436 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
437 BUCKTHORN WIND 1 A		BUCKTHRN_UNIT1	ERATH	WIND	NORTH	2017	44.9
438 BUCKTHORN WIND 1 B		BUCKTHRN_UNIT2	ERATH	WIND	NORTH	2017	55.7
439 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
440 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
441 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
442 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
443 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
444 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
445 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
446 CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
447 CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
448 CAPRICORN RIDGE WIND 1	17INR0054	CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
449 CAPRICORN RIDGE WIND 2	17INR0054	CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
450 CAPRICORN RIDGE WIND 3	17INR0054	CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
451 CAPRICORN RIDGE WIND 4	17INR0054	CAPRIDGE_CR4	COKE	WIND	WEST	2008	112.5
452 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
453 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
454 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
455 COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD	WIND	PANHANDLE	2017	50.4
456 DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
457 DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5
458 DESERT SKY WIND 1		INDNENR_INDENR	PECOS	WIND	WEST	2002	84.0
459 DESERT SKY WIND 2		INDNENR_INDENR_2	PECOS	WIND	WEST	2002	76.5
460 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
461 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
462 ELBOW CREEK WIND		ELB_ELBECREEK	HOWARD	WIND	WEST	2008	118.7
463 ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2017	98.9
464 ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2017	131.1
465 FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
466 FLAT TOP WIND I		FTWIND_UNIT1	MILLS	WIND	NORTH	2018	200.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
467 FLUVANNA RENEWABLE 1 A		FLUVANNA_UNIT1	SCURRY	WIND	WEST	2017	79.8
468 FLUVANNA RENEWABLE 1 B		FLUVANNA_UNIT2	SCURRY	WIND	WEST	2017	75.6
469 FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
470 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
471 GOAT WIND 2		GOAT_GOATWIN2	STERLING	WIND	WEST	2010	69.6
472 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
473 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
474 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
475 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
476 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
477 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
478 VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND	WEST	2015	150.0
479 GUNSIGHT MOUNTAIN WIND		GUNMTN_G1	HOWARD	WIND	WEST	2016	119.9
480 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
481 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
482 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
483 HICKMAN (SANTA RITA WIND) 1		HICKMAN_G1	REGAN AND IRION	WIND	WEST	2018	152.5
484 HICKMAN (SANTA RITA WIND) 2		HICKMAN_G2	REGAN AND IRION	WIND	WEST	2018	147.5
485 HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
486 HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
487 HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
488 HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
489 HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
490 HORSE HOLLOW WIND 1	17INR0052	H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
491 HORSE HOLLOW WIND 2	17INR0052	HHOLLOW2_WND1	TAYLOR	WIND	WEST	2006	184.0
492 HORSE HOLLOW WIND 3	17INR0052	HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
493 HORSE HOLLOW WIND 4	17INR0052	HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
494 INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0
495 INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
496 INDIAN MESA WIND		INDNNWP_INDNNWP2	PECOS	WIND	WEST	2001	91.9
497 JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
498 JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
499 JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
500 JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
501 JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
502 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
503 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
504 KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
505 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.7
506 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.7
507 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.5
508 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.7
509 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
510 LOCKETT WIND FARM		LOCKETT_UNIT1	WILBARGER	WIND	WEST	2019	183.7
511 LOGANS GAP WIND U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	106.3
512 LOGANS GAP WIND U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	103.8
513 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
514 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
515 LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
516 LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
517 LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
518 LORAIN WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2010	49.5
519 LORAIN WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2010	51.0
520 LORAIN WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
521 LORAIN WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
522 LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
523 LOS VIENTOS IV WIND		LV4_UNIT_1	STARR	WIND	SOUTH	2016	200.0
524 LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
525 MARIAH DEL NORTE 1		MARIAH_NORTE1	PARMER	WIND	PANHANDLE	2017	115.2
526 MARIAH DEL NORTE 2		MARIAH_NORTE2	PARMER	WIND	PANHANDLE	2017	115.2
527 MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
528 MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
529 MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
530 MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
531 MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
532 NIELS BOHR WIND A (BEARKAT WIND A)		NBOHR_UNIT1	GLASSCOCK	WIND	WEST	2018	196.6
533 NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
534 NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
535 OCOTILLO WIND		OWF_OWF	HOWARD	WIND	WEST	2008	58.8
536 OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD	WIND	PANHANDLE	2017	151.2
537 PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
538 PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
539 PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
540 PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
541 PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
542 PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
543 PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
544 PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	91.9
545 PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	86.0
546 PYRON WIND 1		PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
547 PYRON WIND 2		PYR_PYRON2	SCURRY AND FISHER	WIND	WEST	2008	127.5
548 RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
549 RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
550 RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	89.6
551 ROCK SPRINGS VAL VERDE WIND (FERMI) 1		FERMI_WIND1	VAL VERDE	WIND	WEST	2017	121.9
552 ROCK SPRINGS VAL VERDE WIND (FERMI) 2		FERMI_WIND2	VAL VERDE	WIND	WEST	2017	27.4
553 ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	114.0
554 ROSCOE WIND 2A		TKWSW1_ROSCOE2A	NOLAN	WIND	WEST	2008	95.0
555 ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
556 RTS WIND		RTS_U1	MCCULLOCH	WIND	SOUTH	2018	160.0
557 SALT FORK 1 WIND 1		SALTFORK_UNIT1	DONLEY	WIND	PANHANDLE	2017	64.0
558 SALT FORK 1 WIND 2		SALTFORK_UNIT2	DONLEY	WIND	PANHANDLE	2017	110.0
559 SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
560 SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
561 SEYMOUR HILLS WIND (S_HILLS WIND)		S_HILLS_UNIT1	BAYLOR	WIND	WEST	2019	30.2
562 SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
563 SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
564 SHERBINO 1 WIND	19INR0120	KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
565 SHERBINO 2 WIND	19INR0120	KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0
566 SILVER STAR WIND		FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
567 SNYDER WIND	20INR0257	ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
568 SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
569 SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
570 SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
571 SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
572 SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
573 SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
574 SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
575 SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
576 STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
577 STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
578 STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
579 SWEETWATER WIND 1		SWEETWIND_WND1	NOLAN	WIND	WEST	2003	42.5
580 SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	16.8
581 SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	110.8
582 SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	34.0
583 SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	117.0
584 SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	85.0
585 SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	112.0
586 SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	125.0
587 TAHOKA WIND 1		TAHOKA_UNIT_1	LYNN	WIND	WEST	2019	150.0
588 TAHOKA WIND 2		TAHOKA_UNIT_2	LYNN	WIND	WEST	2019	150.0
589 TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
590 TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
591 TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
592 TRINITY HILLS WIND 1	20INR0019	TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
593 TRINITY HILLS WIND 2	20INR0019	TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
594 TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
595 TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
596 WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
597 WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
598 WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
599 WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	92.3
600 WINDTHORST 2 WIND		WINDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
601 WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
602 WILLOW SPRINGS WIND A		SALVTION_UNIT1	HASKELL	WIND	WEST	2017	125.0
603 WILLOW SPRINGS WIND B		SALVTION_UNIT2	HASKELL	WIND	WEST	2017	125.0
604 WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
605 TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
606 WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
607 Operational Wind Capacity Sub-total (Non-Coastal Counties)							19,433.8
608 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				20.0
609							
610 BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
611 BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
612 BRUENNING'S BREEZE A		BBREEZE_UNIT1	WILLACY	WIND-C	COASTAL	2017	120.0
613 BRUENNING'S BREEZE B		BBREEZE_UNIT2	WILLACY	WIND-C	COASTAL	2017	108.0
614 CAMERON COUNTY WIND		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
615 CHAPMAN RANCH WIND IA (SANTA CRUZ)		SANTACRU_UNIT1	NUECES	WIND-C	COASTAL	2017	150.6
616 CHAPMAN RANCH WIND IB (SANTA CRUZ)		SANTACRU_UNIT2	NUECES	WIND-C	COASTAL	2017	98.4
617 GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
618 GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
619 LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
620 LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
621 MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
622 MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
623 MIDWAY WIND		MIDWIND_UNIT1	SAN PATRICIO	WIND-C	COASTAL	2019	162.8
624 PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
625 PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
626 PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
627 PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
628 PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
629 SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
630 STELLA WIND		STELLA_UNIT1	KENEDY	WIND-C	COASTAL	2018	201.0
631 HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
632 Operational Wind Capacity Sub-total (Coastal Counties)							2,983.4
633 Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				43.0
634							
635 Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					22,417.2
636							
637 Operational Resources (Solar)							
638 ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
639 BHE SOLAR PEARL PROJECT (SIRIUS 2)		SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
640 BNB LAMESA SOLAR (PHASE I)		LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
641 BNB LAMESA SOLAR (PHASE II)		LMESASLR_IVORY	DAWSON	SOLAR	WEST	2018	50.0
642 CASTLE GAP SOLAR		CASL_GAP_UNIT1	UPTON	SOLAR	WEST	2018	180.0
643 FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2015	22.0
644 FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
645 OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
646 OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
647 OCI ALAMO 5 (DOWNIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
648 OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
649 OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	112.0
650 RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
651 RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
652 RIGGINS (SE BUCKTHORN WESTEX SOLAR)		RIGGINS_UNIT1	PECOS	SOLAR	WEST	2018	150.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
653 SOLAIREHOLMAN 1		LASSO_UNIT1	BREWSTER	SOLAR	WEST	2018	50.0
654 SP-TX-12-PHASE B		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
655 WAYMARK SOLAR		WAYMARK_UNIT1	UPTON	SOLAR	WEST	2018	182.0
656 WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
657 BECK 1		DG_CCSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
658 BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
659 BLUE WING 2 SOLAR		DG_ELMEN_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
660 BOVINE SOLAR LLC		DG_BOVINE_BOVINE	AUSTIN	SOLAR	SOUTH	2018	5.0
661 BOVINE SOLAR LLC		DG_BOVINE2_BOVINE2	AUSTIN	SOLAR	SOUTH	2018	5.0
662 BRONSON SOLAR I		DG_BRNSN_BRNSN	FORT BEND	SOLAR	HOUSTON	2018	5.0
663 BRONSON SOLAR II		DG_BRNSN2_BRNSN2	FORT BEND	SOLAR	HOUSTON	2018	5.0
664 CASCADE SOLAR I		DG_CASCADE_CASCADE	WHARTON	SOLAR	SOUTH	2018	5.0
665 CASCADE SOLAR II		DG_CASCADE2_CASCADE2	WHARTON	SOLAR	SOUTH	2018	5.0
666 CHISUM SOLAR		DG_CHISUM_CHISUM	LAMAR	SOLAR	NORTH	2018	10.0
667 COMMERCE SOLAR		DG_X443PV1_SWRLPV1	BEXAR	SOLAR	SOUTH	2019	5.0
668 EDDY SOLAR II		DG_EDDYII_EDDYII	MCLENNAN	SOLAR	NORTH	2018	10.0
669 FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
670 GRIFFIN SOLAR		DG_GRIFFIN_GRIFFIN	MCLENNAN	SOLAR	NORTH	2019	5.0
671 HIGHWAY 56		DG_HWY56_HWY56	GRAYSON	SOLAR	NORTH	2017	5.3
672 HM SEALY SOLAR 1		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
673 LEON		DG_LEON_LEON	HUNT	SOLAR	NORTH	2017	10.0
674 MARLIN		DG_MARLIN_MARLIN	FALLS	SOLAR	NORTH	2017	5.3
675 MARS SOLAR (DG)		DG_MARS_MARS	WEBB	SOLAR	SOUTH	2019	10.0
676 NORTH GAINESVILLE		DG_NGNSVL_NGAINESV	COOKE	SOLAR	NORTH	2017	5.2
677 OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
678 OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
679 POWERFIN KINGSBERY		DG_PFK_PFKPV	TRAVIS	SOLAR	SOUTH	2017	2.6
680 RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
681 STERLING		DG_STRLNG_STRLNG	HUNT	SOLAR	NORTH	2018	10.0
682 SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
683 SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
684 SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
685 SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
686 WALNUT SPRINGS		DG_WLNTSPRG_1UNIT	BOSQUE	SOLAR	NORTH	2016	10.0
687 WEST MOORE II		DG_WMOOREII_WMOOREII	GRAYSON	SOLAR	NORTH	2018	5.0
688 WHITESBORO		DG_WBORO_WHTSBORO	GRAYSON	SOLAR	NORTH	2017	5.0
689 WHITESBORO II		DG_WBOROII_WHBOROII	GRAYSON	SOLAR	NORTH	2017	5.0
690 WHITEWRIGHT		DG_WHTRT_WHTRGHT	FANNIN	SOLAR	NORTH	2017	10.0
691 WHITNEY SOLAR		DG_WHITNEY_SOLAR1	BOSQUE	SOLAR	NORTH	2017	10.0
692 YELLOW JACKET SOLAR		DG_YLWJACKET_YLWJACK	BOSQUE	SOLAR	NORTH	2018	5.0
693 Operational Capacity Total (Solar)							1,871.4
694 Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				12.0
695							
696 Operational Resources (Storage)							
697 BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	30.0
698 CASTLE GAP BATTERY		CASL_GAP_BATTERY1	UPTON	STORAGE	WEST	2019	9.9
699 INADALE ESS		INDL_ESS	NOLAN	STORAGE	WEST	2018	9.9
700 KINGSBERY ENERGY STORAGE SYSTEM		DG_KB_ESS_KB_ESS	TRAVIS	STORAGE	SOUTH	2017	1.5
701 MU ENERGY STORAGE SYSTEM		DG_MU_ESS_MU_ESS	TRAVIS	STORAGE	SOUTH	2018	1.5
702 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2013	33.7
703 OCI ALAMO 1		OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	1.0
704 PYRON ESS		PYR_ESS	SCURRY	STORAGE	WEST	2018	9.9
705 TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	STORAGE	WEST	2017	2.0
706 YOUNICOS FACILITY		YOUNICOS_YINC1_1	TRAVIS	STORAGE	SOUTH	2015	2.0
707 Operational Capacity Total (Storage)							101.4
708 Storage Peak Average Capacity Percentage		STORAGE_PEAK_PCT	%				-
709							
710 Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT					-
711							
712 Capacity Pending Retirement		PENDRETIRE_CAP					-
713							
714 Non-Synchronous Tie Resources							
715 EAST TIE		DC_E	FANNIN	OTHER	NORTH		600.0
716 NORTH TIE		DC_N	WILBARGER	OTHER	WEST		220.0
717 EAGLE PASS TIE		DC_S	MAVERICK	OTHER	SOUTH		30.0
718 LAREDO VFT TIE		DC_L	WEBB	OTHER	SOUTH		100.0
719 SHARYLAND RAILROAD TIE		DC_R	HIDALGO	OTHER	SOUTH		150.0
720 SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO	OTHER	SOUTH		150.0
721 Non-Synchronous Ties Total							1,250.0
722 Non-Synchronous Ties Peak Average Capacity Percentage		DCIE_PEAK_PCT	%				67.0
723							
724 Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies							
725 FRIENDSWOOD II	19INR0180		BRAZORIA	GAS	COASTAL	2021	-
726 HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2021	-
727 HUDSON (BRAZORIA ENERGY G)	16INR0076		BRAZORIA	GAS	COASTAL	2019	96.0
728 LEVEE (FREEPORT LNG)	16INR0003		BRAZORIA	GAS	COASTAL	2019	-
729 MIRAGE	17INR0022		HARRIS	GAS	HOUSTON	2020	-
730 VICTORIA CITY (CITYVICT)	18INR0035		REFUGIO	GAS	COASTAL	2019	-
731 Planned Capacity Total (Nuclear, Coal, Gas, Biomass)							96.0
732							
733 Planned Wind Resources with Executed SGIA							
734 ARMSTRONG WIND	18INR0029		ARMSTRONG	WIND	PANHANDLE	2020	-
735 AVIATOR WIND	19INR0156		COKE	WIND	WEST	2020	-
736 BAIRD NORTH WIND	20INR0083		CALLAHAN	WIND	WEST	2021	-
737 BARROW RANCH (JUMBO HILL WIND)	18INR0038		ANDREWS	WIND	WEST	2020	-
738 BLUE SUMMIT WIND 2	18INR0070		WILBARGER	WIND	WEST	2019	-
739 BLUE SUMMIT WIND 3	19INR0182		WILBARGER	WIND	WEST	2020	-
740 CABEZON WIND (RIO BRAVO I WIND)	17INR0005		ANDERSON	WIND	NORTH	2019	237.6
741 CACTUS FLATS WIND	16INR0086		CONCHO	WIND	WEST	2019	-
742 CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2019	210.0
743 CANYON WIND	18INR0030		SCURRY	WIND	WEST	2021	-
744 COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2020	-
745 EDMONDSON RANCH WIND	18INR0043		GLASSCOCK	WIND	WEST	2020	-

UNIT NAME	GENERATION INTERCONNECTION		COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
	PROJECT CODE	UNIT CODE					
746 FOARD CITY WIND	19INR0019		FOARD	WIND	WEST	2019	350.0
747 GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2020	-
748 GOPHER CREEK WIND	18INR0067		BORDEN	WIND	WEST	2019	158.0
749 GRIFFIN TRAIL WIND	20INR0052		KNOX	WIND	WEST	2020	-
750 HARALD (BEARKAT WIND B)	15INR0064b		GLASSCOCK	WIND	WEST	2019	-
751 HART WIND	16INR0033		CASTRO	WIND	PANHANDLE	2021	-
752 HIDALGO II WIND	19INR0053		HIDALGO	WIND	SOUTH	2019	-
753 HIGH LONESOME W	19INR0038		CROCKETT	WIND	WEST	2019	-
754 HIGH LONESOME WIND PHASE II	20INR0262		CROCKETT	WIND	WEST	2020	-
755 KAISER CREEK WIND	18INR0022		CALLAHAN	WIND	WEST	2020	-
756 KONTIKI 1 WIND (ERIK)	19INR0099a		GLASSCOCK	WIND	WEST	2021	-
757 KONTIKI 2 WIND (ERNEST)	19INR0099b		GLASSCOCK	WIND	WEST	2022	-
758 LAS LOMAS WIND	16INR0111		STARR	WIND	SOUTH	2020	-
759 LOMA PINTA WIND	16INR0112		LA SALLE	WIND	SOUTH	2020	-
760 LORAIN WINDPARK PHASE III	18INR0068		MITCHELL	WIND	WEST	2021	-
761 MARIAH DEL ESTE	13INR0010a		PARMER	WIND	PANHANDLE	2020	-
762 MAVERICK CREEK I	20INR0045		CONCHO	WIND	WEST	2020	-
763 MAVERICK CREEK II	20INR0046		CONCHO	WIND	WEST	2020	-
764 MESTENO WIND	16INR0081		STARR	WIND	SOUTH	2020	-
765 NORTHDRAW WIND	13INR0025		RANDALL	WIND	PANHANDLE	2020	-
766 OVEJA WIND	18INR0033		IRION	WIND	WEST	2019	300.0
767 PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2022	-
768 PRAIRIE HILL WIND	19INR0100		MCLENNAN	WIND	NORTH	2020	-
769 PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2020	-
770 RANCHERO WIND	20INR0011		CROCKETT	WIND	WEST	2019	300.0
771 RELOJ DEL SOL WIND	17INR0025		ZAPATA	WIND	SOUTH	2020	-
772 RTS 2 WIND (HEART OF TEXAS WIND)	18INR0016		MCCULLOCH	WIND	SOUTH	2020	-
773 SAGE DRAW WIND	19INR0163		LYNN	WIND	WEST	2020	-
774 TG EAST WIND	19INR0052		KNOX	WIND	WEST	2020	-
775 TORRECILLAS WIND	14INR0045		WEBB	WIND	SOUTH	2019	300.5
776 VERA WIND	19INR0051		KNOX	WIND	WEST	2020	-
777 WHITE MESA WIND	19INR0128		CROCKETT	WIND	WEST	2020	-
778 WHITEHORSE WIND	19INR0080		FISHER	WIND	WEST	2020	-
779 WILDROSE WIND (SWISHER WIND)	13INR0038		SWISHER	WIND	PANHANDLE	2021	-
780 WILSON RANCH (INFINITY LIVE OAK WIND)	12INR0060		SCHLEICHER	WIND	WEST	2019	199.5
781 WKN AMADEUS WIND	14INR0009		FISHER	WIND	WEST	2020	-
782 CHALUPA WIND	20INR0042		CAMERON	WIND-C	COASTAL	2020	-
783 CHOCOLATE BAYOU W	16INR0074		BRAZORIA	WIND-C	COASTAL	2021	-
784 CRANEL WIND	19INR0112		REFUGIO	WIND-C	COASTAL	2020	-
785 EAST RAYMOND WIND	18INR0059		WILLACY	WIND-C	COASTAL	2020	-
786 KARANKAWA 2 WIND FARM	19INR0074		SAN PATRICIO	WIND-C	COASTAL	2019	101.0
787 KARANKAWA WIND ALT A	18INR0014		SAN PATRICIO	WIND-C	COASTAL	2019	206.6
788 LAS MAJADAS WIND	17INR0035		WILLACY	WIND-C	COASTAL	2020	-
789 PALMAS ALTAS WIND	17INR0037		CAMERON	WIND-C	COASTAL	2019	-
790 SHAFFER (PATRIOT WIND/PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2019	226.0
791 PEYTON CREEK WIND	18INR0018		MATAGORDA	WIND-C	COASTAL	2019	-
792 WEST RAYMOND (EL TRUENO) WIND	20INR0088		WILLACY	WIND-C	COASTAL	2020	-
793 Planned Capacity Total (Wind)							2,589.2
794							
795 Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					2,055.6
796 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				20.0
797							
798 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					533.6
799 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				43.0
800							
801 Planned Solar Resources with Executed SGIA							
802 AGATE SOLAR	20INR0023		ELLIS	SOLAR	NORTH	2020	-
803 ANSON SOLAR	19INR0081		JONES	SOLAR	WEST	2020	-
804 ARAGORN SOLAR	19INR0088		CULBERSON	SOLAR	WEST	2021	-
805 BLUEBELL SOLAR (CAPRICORN RIDGE SOLAR)	16INR0019		COKE	SOLAR	WEST	2019	-
806 ELARA SOLAR	21INR0276		FRIO	SOLAR	SOUTH	2021	-
807 EMERALD GROVE SOLAR (PECOS SOLAR POWER I)	15INR0059		PECOS	SOLAR	WEST	2021	-
808 FORT BEND SOLAR	18INR0053		FORT BEND	SOLAR	HOUSTON	2021	-
809 FOWLER RANCH	18INR0039		CRANE	SOLAR	WEST	2020	-
810 GALLOWAY SOLAR	19INR0121		CONCHO	SOLAR	WEST	2021	-
811 GARNET SOLAR	20INR0021		WILLIAMSON	SOLAR	SOUTH	2020	-
812 GREASEWOOD SOLAR	19INR0034		PECOS	SOLAR	WEST	2020	-
813 HOLSTEIN SOLAR	19INR0009		NOLAN	SOLAR	WEST	2020	-
814 HORIZON SOLAR	21INR0261		FRIO	SOLAR	SOUTH	2021	-
815 HOVEY (BARILLA SOLAR 1B)	12INR0059b		PECOS	SOLAR	WEST	2019	-
816 IMPACT SOLAR	19INR0151		LAMAR	SOLAR	NORTH	2020	-
817 IP TITAN	20INR0032		CULBERSON	SOLAR	WEST	2021	-
818 JUNO SOLAR	21INR0026		BORDEN	SOLAR	WEST	2021	-
819 KELLAM SOLAR	20INR0261		VAN ZANDT	SOLAR	NORTH	2020	-
820 LAPETUS SOLAR	19INR0185		ANDREWS	SOLAR	WEST	2019	-
821 LILY SOLAR	19INR0044		KAUFMAN	SOLAR	NORTH	2020	-
822 LONG DRAW SOLAR	18INR0055		BORDEN	SOLAR	WEST	2020	-
823 MISAE SOLAR	18INR0045		CHILDRESS	SOLAR	PANHANDLE	2019	-
824 MISAE SOLAR II	20INR0091		CHILDRESS	SOLAR	PANHANDLE	2021	-
825 MORROW LAKE SOLAR	19INR0155		FRIO	SOLAR	SOUTH	2021	-
826 MUSTANG CREEK SOLAR	18INR0050		JACKSON	SOLAR	SOUTH	2021	-
827 NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2021	-
828 NORTON SOLAR	19INR0035		RUNNELS	SOLAR	WEST	2021	-
829 OBERON SOLAR	19INR0083		ECTOR	SOLAR	WEST	2020	-
830 OXY SOLAR	19INR0184		ECTOR	SOLAR	WEST	2019	16.2
831 PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2020	-
832 PHOEBE SOLAR	19INR0029		WINKLER	SOLAR	WEST	2019	250.0
833 PROSPERO SOLAR	19INR0092		ANDREWS	SOLAR	WEST	2020	-
834 QUEEN SOLAR	19INR0102		UPTON	SOLAR	WEST	2019	-
835 RAMBLER SOLAR	19INR0114		TOM GREEN	SOLAR	WEST	2020	-
836 RAYOS DEL SOL	19INR0045		CAMERON	SOLAR	COASTAL	2020	-
837 RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2021	-
838 RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2020	-

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
839 RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2021	-
840 RIPPEY SOLAR	20INR0031		COOKE	SOLAR	NORTH	2020	-
841 RODEO SOLAR	19INR0103		ANDREWS	SOLAR	WEST	2021	-
842 SHAKES SOLAR	19INR0073		ZAVALA	SOLAR	SOUTH	2020	-
843 SODA LAKE SOLAR 1	18INR0040		CRANE	SOLAR	WEST	2021	-
844 SODA LAKE SOLAR 2	20INR0143		CRANE	SOLAR	WEST	2021	-
845 SPINEL SOLAR	20INR0025		MEDINA	SOLAR	SOUTH	2020	-
846 TAYGETE SOLAR	20INR0054		PECOS	SOLAR	WEST	2020	-
847 TAYGETE II SOLAR	21INR0233		PECOS	SOLAR	WEST	2021	-
848 TEXAS SOLAR NOVA	19INR0001		KENT	SOLAR	WEST	2021	-
849 UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2020	-
850 WAGYU SOLAR	18INR0062		BRAZORIA	SOLAR	COASTAL	2020	-
851 WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2019	-
852 Planned Capacity Total (Solar)							266.2
853 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				12.0
854							
855 Planned Storage Resources with Executed SGIA*							
856 COMMERCE ST ESS		X443ESS1	BEXAR	STORAGE	SOUTH	2019	10.0
857 FLAT TOP BATTERY		FLTBES_BESS1	REEVES	STORAGE	WEST	2019	9.9
858 JOHNSON CITY BESS		JC_BAT	BLANCO	STORAGE	SOUTH	2020	2.3
859 PORT LAVACA BATTERY		PTLBES_BESS1	CALHOUN	STORAGE	SOUTH	2019	9.9
860 PROSPECT STORAGE		WCOLLDG_BSS_U1	BRAZORIA	STORAGE	HOUSTON	2019	9.9
861 RABBIT HILL ENERGY STORAGE PROJECT		RHES22_ESS_1	WILLIAMSON	STORAGE	SOUTH	2019	9.9
862 WORSHAM BATTERY		WRSBES_BESS1	REEVES	STORAGE	WEST	2019	9.9
863 Planned Capacity Total (Storage)							61.8
864 Storage Peak Average Capacity Percentage		STORAGE_PL_PEAK_PCT	%				-
865							
866 Seasonal Mothballed Resources							
867 GREGORY POWER PARTNERS GT1 (AS OF 10/17/2019)		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	158.0
868 GREGORY POWER PARTNERS GT2 (AS OF 10/17/2019)		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	158.0
869 GREGORY POWER PARTNERS STG (AS OF 10/17/2019)		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
870 SPENCER STG U4 (AS OF 10/3/2018)		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
871 SPENCER STG U5 (AS OF 10/3/2018)		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
872 Total Seasonal Mothballed Capacity							509.0
873							
874 Mothballed Resources							
875 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	430.0
876 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
877 Total Mothballed Capacity							850.0
878							
879 Retiring Resources Unavailable to ERCOT (since last CDR/SARA)							
880 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
881 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
882 Total Retiring Capacity							16.7

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), or (2) the unit owner submitting, and ERCOT approving, a Generation Interconnection or Change Request (GINR) application, and the project modifies the installed capacity by at least 10 MW as reported in the GINR request. Projects associated with interconnection change requests that meet the 10 MW size threshold are indicated with a code in the "Generation Interconnection Project Code" column. Projects with more than one unit have capacity change amounts prorated equally across the units. These prorated capacity adjustments are temporary until project owners submit RARFs that reflect updated seasonal MW ratings for each unit.

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.