

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

SUMMARY

The ERCOT Region is expected to have sufficient resource capacity to serve forecasted peak demands in the upcoming fall season (October- November 2019).

The fall peak demand forecast used for this SARA report is 61,034 MW. The total resource capacity expected to be available for the peak demand is 84,125 MW. This total includes planned capacity additions of 1,485 MW, consisting of 207 MW of gas-fired generation (based on fall ratings), 2,909 MW of wind with a fall peak capacity contribution of 1,084 MW, and 304 MW of solar with a fall peak capacity contribution of 194 MW. The wind capacity values included in the report reflect a capacity contribution of 37% for non-coastal resources and 39% for coastal resources. The solar fall capacity values reflect a capacity contribution of 64%.

This preliminary fall SARA report includes a unit outage forecast of 13,833 MW. ERCOT's outage forecast is based on the historical average of outages for weekday peak hours for each of the last three fall seasons (2016 - 2018).

Seasonal Assessment of Resource Adequacy for the ERCOT Region
Fall 2019 - Preliminary
Release Date: May 8, 2019

Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	66,582	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,736	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
Less Switchable Capacity Unavailable to ERCOT, MW	-858	Based on survey responses of Switchable Resource owners
Available Mothball Resources, MW	0	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	2,932	Average capability of the top 20 hours in the fall peak seasons for the past three years (2016-2018)
Non-Coastal Wind Resources Capacity Contribution, MW	7,119	Based on 37% of installed capacity for non-coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	1,100	Based on 39% 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	1,191	Based on 64% 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 load
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 fall season. Most recent winter season intervals were used due to lack of fall season EEA intervals (67% of installed capacity)
Planned Thermal Resources with Signed IA, Air Permits and Adeq. Water Supplies, MW	207	Based on in-service dates provided by developers
Planned Non-Coastal Wind with signed IA, MW	932	Based on in-service dates provided by developers and 37% of installed capacity for non-coastal wind resources
Planned Coastal Wind with signed IA, MW	152	Based on in-service dates provided by developers and 39% of installed capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	194	Based on in-service dates provided by developers and 64% of installed capacity for solar resources
Planned Storage, Peak Average Capacity Contribution, MW	0	Based on in-service dates provided by developers and a fall capacity contribution of 0% for storage resources
[a] Total Resources, MW	84,125	
[b] Adjusted Peak Demand, MW	61,034	Based on average weather conditions at the time of the fall peak demand from 2003 – 2017
[c] Reserve Capacity [a - b], MW	23,091	

Range of Potential Risks

	Forecasted Season Peak Load / Typical Generation Outages	Forecasted Season Peak Load / Extreme Generation Outages	Extreme Season Peak Load / Typical Generation Outages	
Seasonal Load Adjustment	-	-	3,192	Based on Fall 2014 weather
Typical Maintenance Outages	10,158	10,158	10,158	Based on historical average of maintenance outages for weekday peak hours for October through November (starting in 2016), and accounts for recent capacity rating changes for operational units
Typical Forced Outages, Thermal	3,675	3,675	3,675	Based on historical average of forced outages for weekday peak hours for October through November (starting in 2016)
90th Percentile Forced Outages, Thermal	-	1,774	-	Based on historical forced outages assuming a 90% confidence interval
[d] Total Uses of Reserve Capacity	13,833	15,607	17,025	
[e] Capacity Available for Operating Reserves, Normal Operating Conditions (c-d), MW Less than 2,300 MW indicates risk of EEA1	9,258	7,484	6,066	See the Background tab for additional details

Unit Capacities - Fall

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	1,222.0
5 COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,209.0
6 SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,310.0
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,310.0
8 COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	655.0
9 FAYETTE POWER U1		FPYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	603.0
10 FAYETTE POWER U2		FPYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	603.0
11 FAYETTE POWER U3		FPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	444.0
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	19INR0204	OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	862.5
20 OAK GROVE SES U2	19INR0204	OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	847.5
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	157.0
31 ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	157.0
32 ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	164.0
33 BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	161.0
34 BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	161.0
35 BARNEY M DAVIS REPOWER STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	322.0
36 BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	157.0
37 BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	157.0
38 BASTROP ENERGY CENTER STG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	236.0
39 BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	160.5
40 BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	83.3
41 BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	160.5
42 BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	159.5
43 BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	221.5
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	77.0
48 CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.0
49 CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	71.0
50 CALHOUN (PORT COMFORT) 1		CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	46.5
51 CALHOUN (PORT COMFORT) 2		CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	46.5
52 CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	168.0
53 CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	168.0
54 CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	182.0
55 COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	74.0
56 COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	67.0
57 COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	100.0
58 COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	73.0
59 COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	68.0
60 COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	105.0
61 COLORADO BEND II CT7	18INR0077	CBECII_CT7	WHARTON	GAS	SOUTH	2017	332.8
62 COLORADO BEND II CT8	18INR0077	CBECII_CT8	WHARTON	GAS	SOUTH	2017	332.8
63 COLORADO BEND II ST8	18INR0077	CBECII_STG9	WHARTON	GAS	SOUTH	2017	474.0
64 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	168.0
65 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	163.0
66 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	163.0
67 CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	128.0
68 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	194.0
69 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	206.0
70 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	194.0
71 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	206.0
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	179.0
74 ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	212.0
75 ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	117.0
76 FERGUSON REPLACEMENT CTG1		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	173.0
77 FERGUSON REPLACEMENT CTG2		FERGCC_FERGST2	LLANO	GAS	SOUTH	2014	173.0
78 FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	186.0
79 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	169.0
80 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	161.0
81 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	161.0
82 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	169.0
83 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	161.0
84 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	161.0
85 FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	409.0
86 FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	409.0
87 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	155.2
88 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	155.2
89 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	177.6
90 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	155.4
91 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	155.4
92 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	176.5
93 GREGORY POWER PARTNERS GT1		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	152.0
94 GREGORY POWER PARTNERS GT2		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	151.0
95 GREGORY POWER PARTNERS STG		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
96 GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	158.0
97 GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	158.0
98 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	158.0
99 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	158.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
100 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	200.0
101 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	200.0
102 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	214.0
103 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	216.0
104 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	215.0
105 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	218.0
106 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	145.0
107 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	145.0
108 HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	173.0
109 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	150.0
110 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	150.0
111 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	285.0
112 JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
113 JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
114 JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	285.0
115 JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
116 JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
117 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	161.0
118 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	153.0
119 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	153.0
120 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	161.0
121 LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
122 LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
123 LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	178.0
124 LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	172.0
125 LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	188.0
126 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	212.5
127 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	212.5
128 MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	254.9
129 MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	233.0
130 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	231.0
131 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	230.0
132 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	233.0
133 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	245.0
134 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	247.0
135 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	161.0
136 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	161.0
137 NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	322.0
138 ODESSA-ECTOR POWER CTG 11		OEECS_CT11	ECTOR	GAS	WEST	2001	155.8
139 ODESSA-ECTOR POWER CTG 12		OEECS_CT12	ECTOR	GAS	WEST	2001	149.5
140 ODESSA-ECTOR POWER CTG 21		OEECS_CT21	ECTOR	GAS	WEST	2001	152.0
141 ODESSA-ECTOR POWER CTG 22		OEECS_CT22	ECTOR	GAS	WEST	2001	150.3
142 ODESSA-ECTOR POWER STG 1		OEECS_UNIT1	ECTOR	GAS	WEST	2001	207.7
143 ODESSA-ECTOR POWER STG 2		OEECS_UNIT2	ECTOR	GAS	WEST	2001	207.7
144 PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
145 PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
146 PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	353.1
147 PANDA TEMPLE I POWER CTG1		PANDA_T1_TEMPL1CT1	BELL	GAS	NORTH	2014	218.5
148 PANDA TEMPLE I POWER CTG2		PANDA_T1_TEMPL1CT2	BELL	GAS	NORTH	2014	218.5
149 PANDA TEMPLE I POWER STG		PANDA_T1_TEMPL1ST1	BELL	GAS	NORTH	2014	353.1
150 PANDA TEMPLE II POWER CTG1		PANDA_T2_TEMPL2CT1	BELL	GAS	NORTH	2015	218.5
151 PANDA TEMPLE II POWER CTG2		PANDA_T2_TEMPL2CT2	BELL	GAS	NORTH	2015	218.5
152 PANDA TEMPLE II POWER STG		PANDA_T2_TEMPL2ST1	BELL	GAS	NORTH	2015	353.1
153 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	86.0
154 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	86.0
155 PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
156 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	168.0
157 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	168.0
158 PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	168.0
159 QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	81.0
160 QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	81.0
161 QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
162 QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	80.0
163 QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	80.0
164 QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
165 RIO NOGALES POWER CTG 1	191NR0205	RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	176.0
166 RIO NOGALES POWER CTG 2	191NR0205	RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	160.0
167 RIO NOGALES POWER CTG 3	191NR0205	RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	160.0
168 RIO NOGALES POWER STG 4	191NR0205	RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
169 SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
170 SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
171 SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
172 SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
173 SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	161.0
174 SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	150.0
175 SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
176 SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	38.0
177 T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	56.0
178 T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	56.0
179 T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	56.0
180 T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	56.0
181 T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	110.0
182 T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	56.0
183 T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	56.0
184 T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	56.0
185 T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	56.0
186 T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	110.0
187 TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	99.1
188 TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	99.1
189 TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	99.1
190 TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5
191 VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
192 VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
193 WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
194 WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
195 WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
196 WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
197 WISE-TRACTEBEL POWER CTG 1		WCPP_CT1	WISE	GAS	NORTH	2004	214.0
198 WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	209.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
199 WISE-TRACTEBEL POWER STG 1		WCPPP_ST1	WISE	GAS	NORTH	2004	279.0
200 WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	227.0
201 WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	227.0
202 WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	286.0
203 WOLF HOLLOW 2 CT5	181NR0076	WHCCS2_CT4	HOOD	GAS	NORTH	2017	326.1
204 WOLF HOLLOW 2 CT6	181NR0076	WHCCS2_CT5	HOOD	GAS	NORTH	2017	326.1
205 WOLF HOLLOW 2 STG6	181NR0076	WHCCS2_STG6	HOOD	GAS	NORTH	2017	487.9
206 ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
207 CASTLEMAN CHAMON 1		CHAMON_CTG_0101	HARRIS	GAS	HOUSTON	2017	46.5
208 CASTLEMAN CHAMON 2		CHAMON_CTG_0301	HARRIS	GAS	HOUSTON	2017	46.5
209 DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5
210 DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
211 DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	49.0
212 DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	49.0
213 DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	49.0
214 DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	49.0
215 DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	72.0
216 DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	71.0
217 DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	70.0
218 DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	71.0
219 ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	153.6
220 ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	153.6
221 ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	195.0
222 EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	38.0
223 EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	38.0
224 EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	38.0
225 EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	38.0
226 FRIENDSWOOD G		FEZG_UNIT1	HARRIS	GAS	HOUSTON	2018	119.0
227 GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	57.0
228 GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	57.0
229 GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	57.0
230 GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
231 GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	57.0
232 GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	57.0
233 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
234 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
235 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
236 LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	93.0
237 LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	90.2
238 LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
239 LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
240 LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
241 LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
242 MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	68.0
243 MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	67.0
244 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	67.0
245 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	68.0
246 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	69.0
247 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	69.0
248 DENTON ENERGY CENTER A		DEC_AGR_A	DENTON	GAS	NORTH	2018	56.5
249 DENTON ENERGY CENTER B		DEC_AGR_B	DENTON	GAS	NORTH	2018	56.5
250 DENTON ENERGY CENTER C		DEC_AGR_C	DENTON	GAS	NORTH	2018	56.5
251 DENTON ENERGY CENTER D		DEC_AGR_D	DENTON	GAS	NORTH	2018	56.5
252 PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
253 PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
254 PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
255 PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
256 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	64.0
257 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	66.0
258 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	65.0
259 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	65.0
260 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	66.0
261 PHR PEAKERS (BAC) CTG 1		BAC_CTG1	GALVESTON	GAS	HOUSTON	2018	61.0
262 PHR PEAKERS (BAC) CTG 2		BAC_CTG2	GALVESTON	GAS	HOUSTON	2018	62.0
263 PHR PEAKERS (BAC) CTG 3		BAC_CTG3	GALVESTON	GAS	HOUSTON	2018	52.0
264 PHR PEAKERS (BAC) CTG 4		BAC_CTG4	GALVESTON	GAS	HOUSTON	2018	56.0
265 PHR PEAKERS (BAC) CTG 5		BAC_CTG5	GALVESTON	GAS	HOUSTON	2018	56.0
266 PHR PEAKERS (BAC) CTG 6		BAC_CTG6	GALVESTON	GAS	HOUSTON	2018	55.0
267 REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
268 REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
269 REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
270 REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
271 R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
272 R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
273 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
274 SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
275 SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
276 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	83.0
277 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	83.0
278 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
279 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
280 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
281 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
282 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
283 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
284 SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
285 SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
286 SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
287 T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
288 T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
289 T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
290 T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
291 T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
292 T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
293 T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
294 TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	89.0
295 V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
296 V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
297 V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START YEAR	CAPACITY (MW)
298 V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
299 W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
300 WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
301 WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
302 WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
303 WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
304 B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
305 CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
306 CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
307 DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
308 DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
309 DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	420.0
310 GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
311 GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
312 HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
313 HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
314 HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
315 LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
316 LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
317 MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
318 MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
319 MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
320 O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
321 O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
322 POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	17.5
323 POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	23.5
324 POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	39.5
325 R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
326 R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
327 R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
328 RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
329 RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
330 RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
331 SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
332 SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
333 SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
334 STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
335 STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
336 TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
337 V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
338 V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
339 V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
340 W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
341 W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
342 W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
343 W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	536.0
344 NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
345 BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
346 BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
347 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
348 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
349 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
350 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
351 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
352 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
353 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
354 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
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 FARMERS BRANCH LANDFILL GAS TO ENERGY		DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2
358 Operational Capacity Total (Nuclear, Coal, Gas, Biomass)							66,188.1
359							
360 Operational Resources (Hydro)							
361 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
362 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
363 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
364 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
365 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
366 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
367 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
368 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
369 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
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 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
376 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
377 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
378 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
379 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
380 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
381 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
382 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
383 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
384 CITY OF GONZALES HYDRO		DG_GONZ_HYDRO_GONZ_HY	GONZALES	HYDRO	SOUTH	1986	1.5
385 EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
386 GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
387 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
388 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
389 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
390 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
391 Operational Capacity Total (Hydro)							556.6
392 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					393.8
393							
394 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					-
395 Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					66,581.9
396							
397 Operational Resources (Switchable)							

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
398 ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	56.0
399 ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	56.0
400 ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	56.0
401 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	195.0
402 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	195.0
403 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	178.0
404 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	180.0
405 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	307.0
406 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	178.0
407 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	180.0
408 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	307.0
409 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
410 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
411 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
412 TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
413 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
414 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
415 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
416 TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
417 Switchable Capacity Total							3,736.0
418							
419 Switchable Capacity Unavailable to ERCOT							
420 ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56.0)
421 ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56.0)
422 ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56.0)
423 ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(195.0)
424 ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(195.0)
425 TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	GRIMES	GAS	NORTH	2016	(300.0)
426 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					(858.0)
427							
428 Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAAIL					-
429							
430 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			2,971.4
431 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			(39.0)
432							
433 Operational Resources (Wind)							
434 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
435 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
436 BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
437 BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
438 BOBCAT BLUFF WIND	181NR0078	BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	162.0
439 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
440 BUCKTHORN WIND 1 A		BUCKTHR_N_UNIT1	ERATH	WIND	NORTH	2017	44.9
441 BUCKTHORN WIND 1 B		BUCKTHR_N_UNIT2	ERATH	WIND	NORTH	2017	55.7
442 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
443 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
444 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
445 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
446 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
447 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
448 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
449 CAMP SPRINGS WIND 1		CSEC_CSEC01	SCURRY	WIND	WEST	2007	130.5
450 CAMP SPRINGS WIND 2		CSEC_CSEC02	SCURRY	WIND	WEST	2007	120.0
451 CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
452 CAPRICORN RIDGE WIND 2		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
453 CAPRICORN RIDGE WIND 3		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
454 CAPRICORN RIDGE WIND 4		CAPRIDGE_CR4	COKE	WIND	WEST	2008	112.5
455 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
456 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
457 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
458 COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD COUNTY	WIND	PANHANDLE	2017	50.4
459 DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
460 DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5
461 DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
462 DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
463 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
464 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
465 ELBOW CREEK WIND		ELB_ELB_CREEK	HOWARD	WIND	WEST	2008	118.7
466 ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2017	98.9
467 ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2017	131.1
468 FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
469 FLAT TOP WIND I		FTWIND_UNIT_1	MILLS	WIND	NORTH	2018	200.0
470 FLUVANNA RENEWABLE 1 A		FLUVANNA_UNIT1	SCURRY	WIND	WEST	2017	79.8
471 FLUVANNA RENEWABLE 1 B		FLUVANNA_UNIT2	SCURRY	WIND	WEST	2017	75.6
472 FOREST CREEK WIND		MCOLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
473 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
474 GOAT WIND 2		GOAT_GOATWIND2	STERLING	WIND	WEST	2010	69.6
475 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
476 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
477 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
478 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
479 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
480 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
481 VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND	WEST	2015	150.0
482 GUNSIGHT MOUNTAIN WIND		HOWMTN_G1	HOWARD	WIND	WEST	2016	119.9
483 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
484 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
485 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
486 HICKMAN (SANTA RITA WIND) 1		HICKMAN_G1	REGAN AND IRION	WIND	WEST	2018	152.5
487 HICKMAN (SANTA RITA WIND) 2		HICKMAN_G2	REGAN AND IRION	WIND	WEST	2018	147.5
488 HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
489 HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
490 HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
491 HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
492 HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
493 HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
494 HORSE HOLLOW WIND 2		HHOLLOW2_WND1	TAYLOR	WIND	WEST	2006	158.0
495 HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
496 HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
497 INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START_YEAR	CAPACITY (MW)
498 INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
499 INDIAN MESA WIND		INDNNWP_INDNNWP2	PECOS	WIND	WEST	2001	82.5
500 JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
501 JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
502 JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
503 JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
504 JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
505 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
506 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
507 KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
508 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	78.0
509 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	76.7
510 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	39.0
511 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	78.0
512 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
513 LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	106.3
514 LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	103.8
515 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
516 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
517 LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
518 LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
519 LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
520 LORAIN WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2010	49.5
521 LORAIN WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2010	51.0
522 LORAIN WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
523 LORAIN WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
524 LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
525 LOS VIENTOS IV WIND		LV4_UNIT_1	STARR	WIND	SOUTH	2016	200.0
526 LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
527 MARIAH DEL NORTE 1		MARIAH_NORTE1	PARMER	WIND	PANHANDLE	2017	115.2
528 MARIAH DEL NORTE 2		MARIAH_NORTE2	PARMER	WIND	PANHANDLE	2017	115.2
529 MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
530 MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
531 MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
532 MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
533 MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
534 NIELS BOHR WIND A (BEARKAT WIND A)		NBOHR_UNIT1	GLASSCOCK	WIND	WEST	2018	196.6
535 NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
536 NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
537 OCOTILLO WIND		OWF_OWF	HOWARD	WIND	WEST	2008	58.8
538 OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD COUNTY	WIND	PANHANDLE	2017	151.2
539 PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
540 PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
541 PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
542 PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
543 PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
544 PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
545 PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
546 PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	91.9
547 PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	86.0
548 PYRON WIND 1		PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
549 PYRON WIND 2		PYR_PYRON2	SCURRY AND FISHER	WIND	WEST	2008	127.5
550 RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
551 RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
552 RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
553 ROCK SPRINGS VAL VERDE WIND (FERMI) 1		FERMI_WIND1	VAL VERDE	WIND	WEST	2017	121.9
554 ROCK SPRINGS VAL VERDE WIND (FERMI) 2		FERMI_WIND2	VAL VERDE	WIND	WEST	2017	27.4
555 ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	114.0
556 ROSCOE WIND 2A		TKWSW1_ROSCOE2A	NOLAN	WIND	WEST	2008	95.0
557 ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
558 RTS WIND		RTS_U1	MCCULLOCH	WIND	SOUTH	2018	160.0
559 SALT FORK 1 WIND 1		SALTFORK_UNIT1	DONLEY	WIND	PANHANDLE	2017	64.0
560 SALT FORK 1 WIND 2		SALTFORK_UNIT2	DONLEY	WIND	PANHANDLE	2017	110.0
561 SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
562 SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
563 SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
564 SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
565 SHERBINO 1 WIND		KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
566 SHERBINO 2 WIND		KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0
567 SILVER STAR WIND		FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
568 SNYDER WIND		ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
569 SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
570 SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
571 SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
572 SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
573 SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
574 SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
575 SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
576 SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
577 STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
578 STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
579 STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
580 SWEETWATER WIND 1		SWEETWN2_WND1	NOLAN	WIND	WEST	2003	42.5
581 SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	17.0
582 SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	98.8
583 SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	34.0
584 SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	117.0
585 SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	85.0
586 SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	112.0
587 SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	125.0
588 TAHOKA WIND 1		TAHOKA_UNIT_1	LYNN	WIND	WEST	2019	150.0
589 TAHOKA WIND 2		TAHOKA_UNIT_2	LYNN	WIND	WEST	2019	150.0
590 TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
591 TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
592 TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
593 TRINITY HILLS WIND 1		TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
594 TRINITY HILLS WIND 2		TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
595 TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
596 TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
597 WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START_YEAR	CAPACITY (MW)
598 WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
599 WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
600 WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
601 WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	92.3
602 WINDTHORST 2 WIND		WINDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
603 WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
604 WILLOW SPRINGS WIND A		SALVTION_UNIT1	HASKELL	WIND	WEST	2017	125.0
605 WILLOW SPRINGS WIND B		SALVTION_UNIT2	HASKELL	WIND	WEST	2017	125.0
606 WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
607 TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
608 WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
609 Operational Wind Capacity Sub-total (Non-Coastal Counties)							19,239.5
610 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				37.0
611							
612 BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
613 BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
614 BRUENNING'S BREEZE A		BBREEZE_UNIT1	WILLACY	WIND-C	COASTAL	2017	120.0
615 BRUENNING'S BREEZE B		BBREEZE_UNIT2	WILLACY	WIND-C	COASTAL	2017	108.0
616 CAMERON COUNTY WIND		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
617 CHAPMAN RANCH WIND IA (SANTA CRUZ)		SANTACRU_UNIT1	NUECES	WIND-C	COASTAL	2017	150.6
618 CHAPMAN RANCH WIND IB (SANTA CRUZ)		SANTACRU_UNIT2	NUECES	WIND-C	COASTAL	2017	98.4
619 GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
620 GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
621 LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
622 LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
623 MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
624 MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
625 PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
626 PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
627 PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
628 PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
629 PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
630 SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
631 STELLA WIND		STELLA_UNIT1	KENEDY	WIND-C	COASTAL	2018	201.0
632 HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
633 Operational Wind Capacity Sub-total (Coastal Counties)							2,820.6
634 Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				39.0
635							
636 Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					22,060.1
637							
638 Operational Resources (Solar)							
639 ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
640 BHE SOLAR PEARL PROJECT (SIRIUS 2)		SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
641 BNB LAMESA SOLAR (PHASE I)		LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
642 BNB LAMESA SOLAR (PHASE II)		LMESASLR_IVORY	DAWSON	SOLAR	WEST	2018	50.0
643 CASTLE GAP SOLAR		CASL_GAP_UNIT1	UPTON	SOLAR	WEST	2018	180.0
644 FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2015	22.0
645 FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
646 OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
647 OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
648 OCI ALAMO 5 (DOWIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
649 OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
650 OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	106.4
651 RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
652 RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
653 RIGGINS (SE BUCKTHORN WESTEX SOLAR)		RIGGINS_UNIT1	PECOS	SOLAR	WEST	2018	150.0
654 SOLAIREHOLMAN 1		LASSO_UNIT1	BREWSTER	SOLAR	WEST	2018	50.0
655 SP-TX-12-PHASE B		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
656 WAYMARK SOLAR		WAYMARK_UNIT1	UPTON	SOLAR	WEST	2018	182.0
657 WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
658 COMMERCE_SOLAR		DG_X443PV1_SWRI_PV1	BEXAR	SOLAR	SOUTH	2019	5.0
659 BECK 1		DG_CECOSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
660 BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
661 BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
662 BOVINE SOLAR LLC		DG_BOVINE_BOVINE	AUSTIN	SOLAR	SOUTH	2018	5.0
663 BOVINE SOLAR LLC		DG_BOVINE2_BOVINE2	AUSTIN	SOLAR	SOUTH	2018	5.0
664 BRONSON SOLAR I		DG_BRNSN_BRNSN	FORT BEND	SOLAR	HOUSTON	2018	5.0
665 BRONSON SOLAR II		DG_BRNSN2_BRNSN2	FORT BEND	SOLAR	HOUSTON	2018	5.0
666 CASCADE SOLAR I		DG_CASCADE_CASCADE	WHARTON	SOLAR	SOUTH	2018	5.0
667 CASCADE SOLAR II		DG_CASCADE2_CASCADE2	WHARTON	SOLAR	SOUTH	2018	5.0
668 CHISUM SOLAR		DG_CHISUM_CHISUM	LAMAR	SOLAR	NORTH	2018	10.0
669 EDDY SOLAR II		DG_EDDYII_EDDYII	MCLENNAN	SOLAR	NORTH	2018	10.0
670 FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
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_STRLING_STRLING	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_YLWJACKET	BOSQUE	SOLAR	NORTH	2018	5.0
693 Operational Capacity Total (Solar)							1,860.8
694 Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				64.0
695							
696 Operational Resources (Storage)							
697 BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	30.0

		GENERATION INTERCONNECTION						CAPACITY
UNIT NAME	PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR_ZONE	START_YEAR	(MW)	
698	INADALE ESS	INDL_ESS	NOLAN	STORAGE	WEST	2018	9.9	
699	NOTREES BATTERY FACILITY	NWF_NBS	WINKLER	STORAGE	WEST	2013	33.7	
700	PYRON ESS	PYR_ESS	SCURRY	STORAGE	WEST	2018	9.9	
701	OCI ALAMO 1	DG_OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	1.0	
702	TOS BATTERY STORAGE	DG_TOSBATT_UNIT1	MIDLAND	STORAGE	WEST	2017	2.0	
703	Operational Capacity Total (Storage)						86.5	
704	Storage Peak Average Capacity Percentage	STORAGE_PEAK_PCT	%				-	
705								
706	Reliability Must-Run (RMR) Capacity	RMR_CAP_CONT					-	
707								
708	Capacity Pending Retirement	PENDRETIRE_CAP					-	
709								
710	Non-Synchronous Tie Resources							
711	EAST TIE	DC_E	FANNIN	OTHER	NORTH		600.0	
712	NORTH TIE	DC_N	WILBARGER	OTHER	WEST		220.0	
713	EAGLE PASS TIE	DC_S	MAVERICK	OTHER	SOUTH		30.0	
714	LAREDO VFT TIE	DC_L	WEBB	OTHER	SOUTH		100.0	
715	SHARYLAND RAILROAD TIE	DC_R	HIDALGO	OTHER	SOUTH		150.0	
716	SHARYLAND RAILROAD TIE 2	DC_R2	HIDALGO	OTHER	SOUTH		150.0	
717	Non-Synchronous Ties Total						1,250.0	
718	Non-Synchronous Ties Peak Average Capacity Percentage	DCTIE_PEAK_PCT	%				67.0	
719								
720	Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies							
721	FGE TEXAS I PROJECT	16INR0010	MITCHELL	GAS	WEST	2021	-	
722	HALYARD HENDERSON	16INR0045	HENDERSON	GAS	NORTH	2021	-	
723	HALYARD WHARTON ENERGY CENTER	16INR0044	WHARTON	GAS	SOUTH	2021	-	
724	HUDSON (BRAZORIA ENERGY G)	16INR0076	BRAZORIA	GAS	COASTAL	2019	96.0	
725	MIRAGE	17INR0022	HARRIS	GAS	HOUSTON	2019	11.0	
726	VICTORIA CITY (CITYVICT)	18INR0035	REFUGIO	GAS	COASTAL	2019	-	
727	VICTORIA PORT (VICTPORT)	17INR0045	CALHOUN	GAS	COASTAL	2019	100.0	
728	Planned Capacity Total (Nuclear, Coal, Gas, Biomass)						207.0	
729								
730	Planned Wind Resources with Executed SGIA							
731	ARMSTRONG WIND	18INR0029	ARMSTRONG	WIND	PANHANDLE	2020	-	
732	BARROW RANCH (JUMBO HILL WIND)	18INR0038	ANDREWS	WIND	WEST	2019	-	
733	BLUE SUMMIT II	18INR0070	WILBARGER	WIND	WEST	2019	102.0	
734	BLUE SUMMIT WIND III	19INR0182	WILBARGER	WIND	WEST	2019	-	
735	CABEZON WIND (RIO BRAVO I WIND)	17INR0005	STARR	WIND	SOUTH	2019	237.6	
736	CACTUS FLATS WIND	16INR0086	CONCHO	WIND	WEST	2019	148.4	
737	CANADIAN BREAKS WIND	13INR0026	OLDHAM	WIND	PANHANDLE	2019	210.0	
738	CANYON WIND	18INR0030	SCURRY	WIND	WEST	2020	-	
739	COYOTE WIND	17INR0027b	SCURRY	WIND	WEST	2020	-	
740	DARMSTADT	18INR0023	SCHLEICHER	WIND	WEST	2019	-	
741	EASTER WIND	15INR0063	CASTRO	WIND	PANHANDLE	2020	-	
742	EDMONDSON RANCH WIND	18INR0043	GLASSCOCK	WIND	WEST	2020	-	
743	FOARD CITY WIND	19INR0019	FOARD	WIND	WEST	2019	350.0	
744	GOODNIGHT WIND	14INR0033	ARMSTRONG	WIND	PANHANDLE	2020	-	
745	GOPHER CREEK WIND	18INR0067	BORDEN	WIND	WEST	2019	158.0	
746	GRAPE CREEK WIND	19INR0156	COKE	WIND	WEST	2020	-	
747	GRIFFIN TRAIL WIND	20INR0052	KNOX	WIND	WEST	2020	-	
748	HARALD (BEARKAT WIND B)	15INR0064b	GLASSCOCK	WIND	WEST	2019	-	
749	HART WIND	16INR0033	CASTRO	WIND	PANHANDLE	2020	-	
750	HIDALGO II WIND	19INR0053	HIDALGO	WIND	SOUTH	2019	-	
751	HIGH LONESOME W	19INR0038	CROCKETT	WIND	WEST	2019	-	
752	KONTIKI 1 WIND (ERIK)	19INR0099a	GLASSCOCK	WIND	WEST	2020	-	
753	KONTIKI 2 WIND (ERNEST)	19INR0099b	GLASSCOCK	WIND	WEST	2021	-	
754	LAS LOMAS WIND	16INR0111	STARR	WIND	SOUTH	2019	-	
755	LOCKETT WIND FARM	16INR0062b	WILBARGER	WIND	WEST	2019	184.0	
756	LOMA PINTA WIND	16INR0112	LA SALLE	WIND	SOUTH	2019	-	
757	LORAIN WINDPARK PHASE III	18INR0068	MITCHELL	WIND	WEST	2020	-	
758	MARIAH DEL ESTE	13INR0010a	PARMER	WIND	PANHANDLE	2020	-	
759	MAVERICK CREEK I	20INR0045	CONCHO	WIND	WEST	2020	-	
760	MAVERICK CREEK II	20INR0046	CONCHO	WIND	WEST	2020	-	
761	MESTENO WIND	16INR0081	STARR	WIND	SOUTH	2020	-	
762	NORTHDRAW WIND	13INR0025	RANDALL	WIND	PANHANDLE	2020	-	
763	OVEJA WIND	18INR0033	IRION	WIND	WEST	2019	300.0	
764	PANHANDLE WIND 3	14INR0030c	CARSON	WIND	PANHANDLE	2020	-	
765	PRAIRIE HILL WIND	19INR0100	MCLENNAN	WIND	NORTH	2020	-	
766	PUMPKIN FARM WIND	16INR0037c	FLOYD	WIND	PANHANDLE	2020	-	
767	RANCHERO WIND	20INR0011	CROCKETT	WIND	WEST	2019	300.0	
768	RELOJ DEL SOL WIND	17INR0025	ZAPATA	WIND	SOUTH	2020	-	
769	RTS 2 WIND (HEART OF TEXAS WIND)	18INR0016	MCCULLOCH	WIND	SOUTH	2020	-	
770	S_HILLS WIND (LITTLE MOUNTAIN WIND)	12INR0055	BAYLOR	WIND	WEST	2019	30.2	
771	SAGE DRAW WIND	19INR0163	LYNN	WIND	WEST	2020	-	
772	TG EAST WIND	19INR0052	KNOX	WIND	WEST	2020	-	
773	TORRECILLAS WIND	14INR0045	WEBB	WIND	SOUTH	2019	300.5	
774	VERA WIND	19INR0051	KNOX	WIND	WEST	2020	-	
775	WHITE MESA WIND	19INR0128	CROCKETT	WIND	WEST	2020	-	
776	WHITEHORSE WIND	19INR0080	FISHER	WIND	WEST	2019	-	
777	WILDROSE WIND (SWISHER WIND)	13INR0038	SWISHER	WIND	PANHANDLE	2021	-	
778	WILSON RANCH (INFINITY LIVE OAK WIND)	12INR0060	SCHLEICHER	WIND	WEST	2019	199.5	
779	WKN AMADEUS WIND	14INR0009	FISHER	WIND	WEST	2020	-	
780	CHALUPA WIND	20INR0042	CAMERON	WIND-C	COASTAL	2020	-	
781	CRANEL WIND	19INR0112	REFUGIO	WIND-C	COASTAL	2019	-	
782	KARANKAWA 2 WIND FARM	19INR0074	SAN PATRICIO	WIND-C	COASTAL	2019	-	
783	KARANKAWA WIND ALT A	18INR0014	SAN PATRICIO	WIND-C	COASTAL	2019	-	
784	LAS MAJADAS WIND	17INR0035	WILLACY	WIND-C	COASTAL	2020	-	
785	MIDWAY FARMS WIND	11INR0054	SAN PATRICIO	WIND-C	COASTAL	2019	162.9	
786	PALMAS ALTAS WIND	17INR0037	CAMERON	WIND-C	COASTAL	2020	-	
787	SHAFFER (PATRIOT WIND/PETRONILLA)	11INR0062	NUECES	WIND-C	COASTAL	2019	226.0	
788	PEYTON CREEK WIND	18INR0018	MATAGORDA	WIND-C	COASTAL	2019	-	
789	EAST RAYMOND WIND	18INR0059	WILLACY	WIND-C	COASTAL	2020	-	
790	Planned Capacity Total (Wind)						2,909.1	
791								
792	Planned Wind Capacity Sub-total (Non-Coastal Counties)	WIND_PLANNED_NC					2,520.2	
793	Wind Peak Average Capacity Percentage (Non-Coastal)	WIND_PL_PEAK_PCT_NC	%				37.0	
794								
795	Planned Wind Capacity Sub-total (Coastal Counties)	WIND_PLANNED_C					388.9	
796	Wind Peak Average Capacity Percentage (Coastal)	WIND_PL_PEAK_PCT_C	%				39.0	
797								

UNIT NAME	GENERATION INTERCONNECTION		COUNTY	FUEL	CDR_ZONE	START_YEAR	CAPACITY (MW)
	PROJECT_CODE	UNIT_CODE					
Planned Solar Resources with Executed SGIA							
799 AGATE SOLAR	20INR0023		ELLIS	SOLAR	NORTH	2020	-
800 ARAGORN SOLAR	19INR0088		CULBERSON	SOLAR	WEST	2021	-
801 BLUEBELL SOLAR (CAPRICORN RIDGE SOLAR)	16INR0019		COKE	SOLAR	WEST	2019	30.0
802 EMERALD GROVE SOLAR (PECOS SOLAR POWER I)	15INR0059		PECOS	SOLAR	WEST	2020	-
803 FOWLER RANCH	18INR0039		CRANE	SOLAR	WEST	2020	-
804 GALLOWAY SOLAR	19INR0121		CONCHO	SOLAR	WEST	2020	-
805 GARNET SOLAR	20INR0021		WILLIAMSON	SOLAR	SOUTH	2020	-
806 GREASEWOOD SOLAR	19INR0034		PECOS	SOLAR	WEST	2020	-
807 HOLSTEIN SOLAR	19INR0009		NOLAN	SOLAR	WEST	2020	-
808 HOVEY (BARILLA SOLAR 1B)	12INR0059b		PECOS	SOLAR	WEST	2019	7.4
809 IP TITAN	20INR0032		CULBERSON	SOLAR	WEST	2021	-
810 JUNO SOLAR	21INR0026		BORDEN	SOLAR	WEST	2021	-
811 LAPETUS SOLAR 2	19INR0185		ANDREWS	SOLAR	WEST	2019	-
812 LILY SOLAR	19INR0044		KAUFMAN	SOLAR	NORTH	2020	-
813 LONG DRAW SOLAR	18INR0055		BORDEN	SOLAR	WEST	2020	-
814 MISAE SOLAR	18INR0045		CHILDRESS	SOLAR	PANHANDLE	2019	-
815 MISAE SOLAR II	20INR0091		CHILDRESS	SOLAR	PANHANDLE	2020	-
816 MUSTANG CREEK SOLAR	18INR0050		JACKSON	SOLAR	SOUTH	2020	-
817 NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2021	-
818 OBERON SOLAR	19INR0083		ECTOR	SOLAR	WEST	2019	-
819 OXY SOLAR	19INR0184		ECTOR	SOLAR	WEST	2019	16.2
820 PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2020	-
821 PHOEBE SOLAR	19INR0029		WINKLER	SOLAR	WEST	2019	250.0
822 PROSPERO SOLAR	19INR0092		ANDREWS	SOLAR	WEST	2020	-
823 QUEEN SOLAR	19INR0102		UPTON	SOLAR	WEST	2019	-
824 RAMBLER SOLAR	19INR0114		TOM GREEN	SOLAR	WEST	2019	-
825 RAYOS DEL SOL	19INR0045		CAMERON	SOLAR	COASTAL	2020	-
826 RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2020	-
827 RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2020	-
828 RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2021	-
829 SHAKES SOLAR	19INR0073		ZAVALA	SOLAR	SOUTH	2020	-
830 SODA LAKE SOLAR 1	18INR0040		CRANE	SOLAR	WEST	2020	-
831 SODA LAKE SOLAR 2	20INR0143		CRANE	SOLAR	WEST	2020	-
832 SPINEL SOLAR	20INR0025		MEDINA	SOLAR	SOUTH	2020	-
833 TAYGETE SOLAR	20INR0054		PECOS	SOLAR	WEST	2020	-
834 TAYGETE II SOLAR	21INR0233		PECOS	SOLAR	WEST	2021	-
835 UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2020	-
836 WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2019	-
837 Planned Capacity Total (Solar)							303.6
838 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				64.0
839							
Planned Storage Resources with Executed SGIA							
841 CASTLE GAP BATTERY			UPTON	OTHER	WEST	2018	9.9
842 COMMERCE ST ESS			BEXAR	OTHER	SOUTH	2019	10.0
843 JOHNSON CITY BESS			BLANCO	OTHER	SOUTH	2019	-
844 JUNO STORAGE	21INR0032		BORDEN	OTHER	WEST	2021	-
845 RABBIT HILL ENERGY STORAGE PROJECT			WILLIAMSON	OTHER	SOUTH	2019	9.9
846 Planned Capacity Total (Storage)							29.8
847 Storage Peak Average Capacity Percentage		STORAGE_PL_PEAK_PCT	%				-
848							
Seasonal Mothballed Resources							
850 SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
851 SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
852 Total Seasonal Mothballed Capacity							118.0
853							
Mothballed Resources							
855 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	430.0
856 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
857 GIBBONS CREEK U1 (AS OF 10/1/2018)		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
858 Total Mothballed Capacity							1,320.0
859							
Retiring Resources Unavailable to ERCOT (since last CDR/SARA)*							
861 FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
862 MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
863 TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
864 VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
865 VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
866 Total Retiring Capacity							15.8

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 has submitted, and ERCOT has approved, 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 capacity formula. These resources are assumed to provide regulation reserves rather than sustained capacity available to meet system peak loads.

* ERCOT is now tracking and accounting for retirements of Registered DG facilities. These biomass facilities actually retired between 2014 and 2016.

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.