

FINAL
Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)
Fall 2017

SUMMARY

The ERCOT Region is expected to have sufficient systemwide installed generating capacity to serve forecasted peak demands in the upcoming fall season (October- November 2017). The 56,097 MW fall peak load forecast is unchanged from the forecast used for the preliminary fall SARA report released in May 2017.

This preliminary SARA report reflects an assessment of generation availability and expected peak load conditions conducted at the time of preparation. Based on currently available information, ERCOT does not expect Hurricane Harvey impacts to affect systemwide generation resource availability in the fall season.

Since the release of the preliminary fall SARA, two natural gas combined-cycle plants (2,202 MW fall seasonal capacity rating), three wind projects (590 MW nameplate, 207 MW fall capacity contribution) and one solar project (158 MW nameplate, 100 MW fall capacity contribution) have moved from planned to operational status. Capacity retired since the last SARA report release consists of three gas-steam units (66 MW fall capacity). Additionally, a 470 MW coal unit is planned to be mothballed starting in October with an expected return to service between mid-May and mid-June 2018. Delays in planned projects beyond October 1, 2017 include three wind facilities (542 MW nameplate, 204 MW fall capacity contribution) and a solar facility (201 MW nameplate, 103 MW fall capacity contribution).

This final fall SARA report includes a unit outage forecast of 14,259 MW developed from historical fall season outage data gathered since August 2012.

Seasonal Assessment of Resource Adequacy for the ERCOT Region
Fall 2017 - Final
Release Date: September 7, 2017

Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	70,520	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process for thermal units; for hydro, based on a fall capacity contribution of 73% of installed capacity using the methodology in ERCOT Nodal Protocols Section 3.2.6.2.2
Switchable Capacity Total, MW	3,722	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
less Switchable Capacity Unavailable to ERCOT, MW	-844	Based on survey responses of Switchable Resource owners
Available Mothball Resources, MW	0	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	3,564	Average capability of the top 20 hours in the fall peak seasons for the past three years (2014-2016)
Non-Coastal Wind Resources Capacity Contribution, MW	6,097	Based on 35% of installed capacity for non-coastal wind resources (fall season) using the methodology in ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	943	Based on 44% of installed capacity for coastal wind resources (fall season) using the methodology in ERCOT Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	595	Based on 63% of rated capacity for solar resources (fall season) using the methodology in Nodal Protocols Section 3.2.6.2.2
RMR Resources to be under Contract, MW	0	
Non-Synchronous Ties Capacity Contribution, MW	166	Average capability of the top 20 hours in the fall peak seasons for the past three years (2014-2016)
Planned Thermal Resources with Signed IA, Air Permits, Adeq Water Supplies, MW	709	Based on in-service dates provided by developers
Planned Non-Coastal Wind with signed IA , MW	133	Based on in-service dates provided by developers and a fall capacity contribution of 35% for non-coastal wind resources
Planned Coastal Wind with signed IA , MW	110	Based on in-service dates provided by developers and a fall capacity contribution of 44% for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	131	Based on in-service dates provided by developers and a fall capacity contribution of 63%
[a] Total Resources, MW	85,847	
[b] Peak Demand, MW	56,097	Based on average peak weather conditions for the past 14 years (2002 – 2015)
[c] Reserve Capacity [a - b], MW	29,750	

Range of Potential Risks

	Forecasted Season Peak Load	Extreme Peak Load / Typical Generation Outages	Extreme Peak Load / Extreme Generation Outages	
Seasonal Load Adjustment	-	3,814	3,814	Based on fall 2014 weather
Typical Maintenance Outages	10,613	10,613	10,613	Based on historical average of planned outages for October through November weekdays (starting in August 2012), and accounts for recent capacity rating changes for operational units
Typical Forced Outages, Thermal	3,646	3,646	3,646	Based on historical average of planned outages for October through November weekdays (starting in August 2012), and accounts for recent capacity rating changes for operational units
90th Percentile Forced Outages, Thermal	-	-	2,087	Based on historical forced outages assuming a 90% confidence interval
[d] Total Uses of Reserve Capacity	14,259	18,073	20,160	
[e] Capacity Available for Operating Reserves (c-d), MW	15,491	11,677	9,590	
Less than 2,300 MW indicates risk of EEA1				

Unit Capacities - Fall

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	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	1,318.0
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,325.0
8 BIG BROWN U1		BBSSES_UNIT1	FREESTONE	COAL	NORTH	1971	606.0
9 BIG BROWN U2		BBSSES_UNIT2	FREESTONE	COAL	NORTH	1972	602.0
10 COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	655.0
11 FAYETTE POWER U1		FPPYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	603.0
12 FAYETTE POWER U2		FPPYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	603.0
13 FAYETTE POWER U3		FPPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	444.0
14 J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1992	560.0
15 J K SPRUCE U2		CALAVERS_JKS2	BEXAR	COAL	SOUTH	2010	775.0
16 J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1977	420.0
17 J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1978	420.0
18 LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	831.0
19 LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	858.0
20 MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	815.0
21 MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
22 MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	820.0
23 MONTICELLO U1		MNSES_UNIT1	TITUS	COAL	NORTH	1974	572.0
24 MONTICELLO U2		MNSES_UNIT2	TITUS	COAL	NORTH	1975	572.0
25 MONTICELLO U3		MNSES_UNIT3	TITUS	COAL	NORTH	1978	795.0
26 OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	840.0
27 OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	825.0
28 OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
29 SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
30 SANDOW U5		SD5SES_UNIT5	MILAM	COAL	SOUTH	2010	600.0
31 SANDY CREEK U1		SCSES_UNIT1	MCLENNAN	COAL	NORTH	2013	970.0
32 TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	158.0
33 TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	158.0
34 W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	664.0
35 W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	663.0
36 W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
37 W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
38 ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	157.0
39 ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	149.0
40 ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	160.0
41 BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	161.0
42 BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	161.0
43 BARNEY M DAVIS REPOWER STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	322.0
44 BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	157.0
45 BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	157.0
46 BASTROP ENERGY CENTER STG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	236.0
47 BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	160.5
48 BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	83.3
49 BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	160.5
50 BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	159.5
51 BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	221.5
52 BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	168.0
53 BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	168.0
54 BRAZOS VALLEY STG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
55 CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	77.0
56 CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.0
57 CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	71.0
58 CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	168.0
59 CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	168.0
60 CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	182.0
61 COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	74.0
62 COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	67.0
63 COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	100.0
64 COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	73.0
65 COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	68.0
66 COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	105.0
67 COLORADO BEND II CT7		CBECII_CT7	WHARTON	GAS	SOUTH	2017	317.2
68 COLORADO BEND II CT8		CBECII_CT8	WHARTON	GAS	SOUTH	2017	317.2
69 COLORADO BEND II ST8		CBECII_STG9	WHARTON	GAS	SOUTH	2017	490.2
70 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	171.0
71 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	164.0
72 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	164.0
73 CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	146.0
74 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	194.0
75 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	206.0
76 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	194.0
77 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	206.0
78 DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
79 DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	179.0
80 ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	231.0
81 ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	127.0
82 FERGUSON REPLACEMENT CTG1		FERGCC_FERGCT1	LLANO	GAS	SOUTH	2014	173.0
83 FERGUSON REPLACEMENT CTG2		FERGCC_FERGCT2	LLANO	GAS	SOUTH	2014	173.0
84 FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	186.0
85 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	178.0
86 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	170.0
87 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	170.0
88 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	178.0
89 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	170.0
90 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	170.0
91 FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	420.0
92 FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	420.0
93 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	155.2
94 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	155.2

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
95 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	177.6
96 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	155.4
97 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	155.4
98 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	176.5
99 GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	158.0
100 GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	158.0
101 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	158.0
102 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	158.0
103 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	200.0
104 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	200.0
105 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	220.0
106 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	220.0
107 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	225.0
108 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	225.0
109 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	145.0
110 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	145.0
111 HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	173.0
112 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	150.0
113 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	150.0
114 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	285.0
115 JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
116 JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
117 JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	285.0
118 JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
119 JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
120 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	171.0
121 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	161.0
122 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	161.0
123 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	166.0
124 LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
125 LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
126 LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	178.0
127 LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	172.0
128 LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	188.0
129 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	212.5
130 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	212.5
131 MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	254.9
132 MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	235.0
133 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	235.0
134 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	235.0
135 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	235.0
136 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	252.0
137 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	252.0
138 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	161.0
139 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	161.0
140 NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	322.0
141 ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	155.8
142 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	149.5
143 ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	152.0
144 ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	150.3
145 ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	207.7
146 ODESSA-ECTOR POWER STG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	207.7
147 PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
148 PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
149 PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	353.1
150 PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
151 PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
152 PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	353.1
153 PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
154 PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
155 PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	353.1
156 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	86.0
157 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	86.0
158 PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
159 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	168.0
160 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	168.0
161 PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	168.0
162 QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	81.0
163 QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	81.0
164 QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
165 QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	80.0
166 QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	80.0
167 QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
168 RIO NOGALES POWER CTG 1		RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	162.0
169 RIO NOGALES POWER CTG 2		RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	162.0
170 RIO NOGALES POWER CTG 3		RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	162.0
171 RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
172 SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
173 SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
174 SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
175 SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
176 SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	161.0
177 SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	150.0
178 SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
179 SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	38.0
180 T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	56.0
181 T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	56.0
182 T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	56.0
183 T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	56.0
184 T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	109.0
185 T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	56.0
186 T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	56.0
187 T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	56.0
188 T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	56.0
189 T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	109.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
190 TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	99.1
191 TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	99.1
192 TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	99.1
193 TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5
194 VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
195 VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
196 WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
197 WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
198 WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
199 WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
200 WISE-TRACTEBEL POWER CTG 1		WCPP_CT1	WISE	GAS	NORTH	2004	275.0
201 WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	275.0
202 WISE-TRACTEBEL POWER STG 1		WCPP_ST1	WISE	GAS	NORTH	2004	290.0
203 WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	227.0
204 WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	227.0
205 WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	286.0
206 WOLF HOLLOW 2 CT5		WHCCS2_CT4	HOOD	GAS	NORTH	2017	309.1
207 WOLF HOLLOW 2 CT6		WHCCS2_CT5	HOOD	GAS	NORTH	2017	309.1
208 WOLF HOLLOW 2 STG6		WHCCS2_STG6	HOOD	GAS	NORTH	2017	459.0
209 ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
210 DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5
211 DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
212 DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	49.0
213 DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	49.0
214 DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	49.0
215 DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	49.0
216 DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	74.0
217 DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	73.0
218 DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	72.0
219 DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	71.0
220 ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	153.6
221 ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	153.6
222 ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	190.0
223 EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	42.0
224 EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	42.0
225 EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	42.0
226 EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	42.0
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	77.0
243 MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	77.0
244 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	77.0
245 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	77.0
246 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	77.0
247 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	77.0
248 PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
249 PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
250 PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
251 PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
252 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	71.0
253 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	70.0
254 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	73.0
255 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	74.0
256 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	74.0
257 REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
258 REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
259 REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
260 REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
261 R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
262 R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
263 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
264 SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
265 SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
266 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	83.0
267 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	83.0
268 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
269 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
270 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
271 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
272 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
273 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
274 SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
275 SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
276 SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
277 T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
278 T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
279 T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
280 T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
281 T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
282 T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
283 T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
284 TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	89.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
285 V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
286 V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
287 V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
288 V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
289 W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
290 W A PARISH - PETRA NOVA CTG		PNPI_GT2	FORT BEND	GAS	HOUSTON	2013	75.0
291 WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
292 WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
293 WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
294 WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
295 B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
296 CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
297 CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
298 DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
299 DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
300 DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	420.0
301 GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
302 GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
303 HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
304 HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
305 HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
306 LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
307 LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
308 MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
309 MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
310 MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
311 O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
312 O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
313 POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	20.0
314 POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	24.0
315 POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	41.0
316 R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
317 R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
318 R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
319 RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
320 RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
321 RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
322 SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
323 SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
324 SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
325 SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
326 SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
327 STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
328 STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
329 TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
330 V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
331 V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
332 V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
333 W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
334 W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
335 W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
336 W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	536.0
337 NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
338 BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
339 BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
340 FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
341 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
342 MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
343 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
344 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
345 TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
346 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
347 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
348 VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
349 VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
350 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
351 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
352 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
353 WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
354 WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
355 BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	-
356 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2012	-
357 ESS RABBIT HILL		DG_RHESS_RABBIT_1	WILLIAMSON	STORAGE	SOUTH	2016	-
358 OCI ALAMO 1		DG_OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	-
359 TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	OTHER	WEST	2017	-
360 Operational Capacity Total (Nuclear, Coal, Gas, Biomass)							70,116.4
361							
362 Operational Resources (Hydro)							
363 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
364 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
365 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
366 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
367 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
368 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
369 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
370 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
371 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
372 FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
373 FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
374 FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
375 GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
376 GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
377 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
378 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
379 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
380 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
381 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
382 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
383 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
384 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
385 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
386 EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
387 GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
388 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
389 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
390 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
391 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
392 Operational Capacity Total (Hydro)							555.1
393 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					403.7
394							
395 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					-
396 Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					70,520.1
397							
398 Operational Resources (Switchable)							
399 ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	54.6
400 ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	54.6
401 ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	54.6
402 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	190.0
403 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	190.0
404 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	178.0
405 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	180.0
406 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	307.0
407 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	178.0
408 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	180.0
409 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	307.0
410 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
411 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
412 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
413 TENASKA FRONTIER STATION CTG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
414 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
415 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
416 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
417 TENASKA GATEWAY STATION CTG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
418 Switchable Capacity Total							3,721.8
419							
420 Switchable Capacity Unavailable to ERCOT							
421 ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
422 ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
423 ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
424 ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
425 ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
426 TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	FANNIN	GAS	NORTH	2016	(300.0)
427 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL		GAS			(843.8)
428							
429 Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL		COAL			-
430							
431 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,328.0
432 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			236.3
433							
434 Operational Resources (Wind)							
435 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
436 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
437 BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
438 BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
439 BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
440 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
441 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
442 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
443 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
444 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
445 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
446 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
447 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
448 CAMP SPRINGS WIND 1		CSEC_CSEC_G1	SCURRY	WIND	WEST	2007	130.5
449 CAMP SPRINGS WIND 2		CSEC_CSEC_G2	SCURRY	WIND	WEST	2007	120.0
450 CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
451 CAPRICORN RIDGE WIND 2		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
452 CAPRICORN RIDGE WIND 3		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
453 CAPRICORN RIDGE WIND 4		CAPRIDGE_CR4	COKE	WIND	WEST	2008	112.5
454 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
455 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
456 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
457 COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD COUNTY	WIND	NORTH	2017	50.4
458 DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
459 DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5
460 DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
461 DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
462 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
463 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
464 ELBOW CREEK WIND		ELB_ELB_CREEK	HOWARD	WIND	WEST	2008	118.7
465 ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2016	98.9
466 ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2016	131.1
467 FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
468 FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
469 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
470 GOAT WIND 2		GOAT_GOATWIN2	STERLING	WIND	WEST	2010	69.6
471 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
472 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
473 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
474 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
475 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
476 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
477 VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND	WEST	2016	150.0
478 GUNSIGHT MOUNTAIN WIND		GUNMTN_G1	HOWARD	WIND	WEST	2016	119.9
479 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
480 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
481 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
482 HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
483 HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
484 HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
485 HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
486 HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
487 HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
488 HORSE HOLLOW WIND 2		HHOLLOW2_WND1	TAYLOR	WIND	WEST	2006	158.0
489 HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
490 HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
491 INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0
492 INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
493 INDIAN MESA WIND		INDNNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
494 JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
495 JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
496 JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
497 JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
498 JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
499 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
500 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
501 KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
502 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
503 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
504 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
505 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
506 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
507 LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	103.8
508 LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	106.3
509 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
510 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
511 LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
512 LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
513 LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
514 LORAIN WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2009	49.5
515 LORAIN WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2009	51.0
516 LORAIN WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
517 LORAIN WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
518 LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
519 LOS VIENTOS IV WIND		LV4_UNIT_1	STARR	WIND	SOUTH	2016	200.0
520 LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
521 MARIAH DEL NORTE 1		MARIAH_NORTE1	PARMER	WIND	PANHANDLE	2017	115.2
522 MARIAH DEL NORTE 2		MARIAH_NORTE2	PARMER	WIND	PANHANDLE	2017	115.2
523 MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
524 MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
525 MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
526 MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
527 MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
528 NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
529 NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
530 OCOTILLO WIND		OWF_OW	HOWARD	WIND	WEST	2008	58.8
531 OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD COUNTY	WIND	NORTH	2017	151.2
532 PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
533 PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
534 PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
535 PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
536 PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
537 PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
538 PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
539 PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	82.5
540 PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	77.2
541 PYRON WIND 1		PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
542 PYRON WIND 2		PYR_PYRON2	SCURRY	WIND	WEST	2008	127.5
543 RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
544 RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
545 RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
546 ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	114.0
547 ROSCOE WIND 2A		TKWSW1_ROSCOE2A	NOLAN	WIND	WEST	2008	95.0
548 ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
549 SALT FORK 1 WIND 1		SALTFORK_UNIT1	DONLEY	WIND	PANHANDLE	2016	64.0
550 SALT FORK 1 WIND 2		SALTFORK_UNIT2	DONLEY	WIND	PANHANDLE	2016	110.0
551 SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
552 SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
553 SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
554 SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
555 SHERBINO 1 WIND		KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
556 SHERBINO 2 WIND		KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0
557 SILVER STAR WIND		FLCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
558 SNYDER WIND		ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
559 SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
560 SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
561 SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
562 SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
563 SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
564 SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
565 SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
566 SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
567 STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
568 STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
569 STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
570 SWEETWATER WIND 1		SWEETWN2_WND1	NOLAN	WIND	WEST	2003	42.5
571 SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	17.0
572 SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	115.0
573 SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	34.0
574 SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	117.0
575 SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	85.0
576 SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	112.0
577 SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	125.0
578 TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
579 TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
580 TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
581 TRINITY HILLS WIND 1		TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
582 TRINITY HILLS WIND 2		TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
583 TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
584 TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
585 WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
586 WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
587 WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
588 WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
589 WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	92.3
590 WINDTHORST 2 WIND		WNDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
591 WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
592 WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
593 TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
594 WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
595 Operational Wind Capacity Sub-total (Non-Coastal Counties)							17,420.1
596 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				35.0
597							
598 BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
599 BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
600 CAMERON COUNTY WIND		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
601 GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
602 GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
603 LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
604 LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
605 MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
606 MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
607 PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
608 PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
609 PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
610 PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
611 PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
612 SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
613 HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
614 Operational Wind Capacity Sub-total (Coastal Counties)							2,142.6
615 Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				44.0
616							
617 Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					19,562.7
618							
619 Operational Resources (Solar)							
620 ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
621 FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
622 FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2014	22.0
623 OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
624 OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
625 OCI ALAMO 5 (DOWDIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
626 OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
627 SP-TX-12-PHASE B (CED UPTON)		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
628 WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
629 BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
630 BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
631 OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
632 OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
633 OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	106.4
634 RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
635 RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
636 BECK 1		DG_CECOSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
637 FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
638 HM SEALY SOLAR 1		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
639 RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
640 SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
641 SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
642 SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
643 SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
644 Operational Capacity Total (Solar)							944.7
645 Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				63.0
646							
647 Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT		GAS			-
648							
649 Non-Synchronous Tie Resources							
650 EAST TIE		DC_E	FANNIN		NORTH		600.0
651 NORTH TIE		DC_N	WILBARGER		WEST		220.0
652 EAGLE PASS TIE		DC_S	MAVERICK		SOUTH		30.0
653 LAREDO VFT TIE		DC_L	WEBB		SOUTH		100.0
654 SHARYLAND RAILROAD TIE		DC_R	HIDALGO		SOUTH		150.0
655 SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO		SOUTH		150.0
656 Non-Synchronous Ties Total							1,250.0
657 Non-Synchronous Ties Capacity Contribution (Top 20 Hours)		DCTIE_CAP_CONT		OTHER			166.4
658							
659 Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies							
660 DENTON ENERGY CENTER	18INR0013		DENTON	GAS	NORTH	2018	-
661 FGE TEXAS I PROJECT	16INR0010		MITCHELL	GAS	WEST	2019	-
662 PHR PEAKERS [BAC_CTG1-6]	14INR0038		GALVESTON	GAS	HOUSTON	2017	390.0
663 INDECK WHARTON ENERGY CENTER	15INR0023		WHARTON	GAS	SOUTH	2019	-
664 PINECREST ENERGY CENTER PROJECT	16INR0006		ANGELINA	GAS	NORTH	2020	-

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
665 FRIENDSWOOD G	13INR0049		HARRIS	GAS	HOUSTON	2017	119.0
666 BETHEL CAES PROJECT	15INR0013		ANDERSON	GAS	NORTH	2020	-
667 HALYARD HENDERSON	16INR0045		HENDERSON	GAS	NORTH	2019	-
668 HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2019	-
669 CASTLEMAN CHAMON	17INR0042		HARRIS	GAS	HOUSTON	2017	100.0
670 PORT COMFORT	16INR0009		CALHOUN	GAS	COASTAL	2017	100.0
671 Planned Capacity Total (Coal, Gas & Storage)							709.0
672							
673 Planned Wind Resources with Executed SGIA							
674 MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2018	-
675 LONGHORN WIND SOUTH	14INR0023b		BRISCOE	WIND	PANHANDLE	2018	-
676 MARIAH DEL ESTE	13INR0010a		PARMER	WIND	PANHANDLE	2018	-
677 MARIAH DEL SUR	13INR0010c		PARMER	WIND	PANHANDLE	2018	-
678 RATTLESNAKE DEN WIND 2	13INR0020b		GLASSCOCK	WIND	WEST	2020	-
679 PATRIOT WIND (PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2018	-
680 COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	2019	-
681 PAMPA WIND	12INR0018		GRAY	WIND	PANHANDLE	2019	-
682 GRANDVIEW WIND 3 (CONWAY)	13INR0005c		CARSON	WIND	PANHANDLE	2019	-
683 SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2020	-
684 PULLMAN ROAD WIND	15INR0079		RANDALL	WIND	PANHANDLE	2019	-
685 PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2018	-
686 UNITY WIND	15INR0050		DEAF SMITH	WIND	PANHANDLE	2018	-
687 CAPROCK WIND	10INR0009		CASTRO	WIND	PANHANDLE	2018	-
688 TORRECILLAS WIND A	14INR0045a		WEBB	WIND	SOUTH	2019	-
689 TORRECILLAS WIND B	14INR0045b		WEBB	WIND	SOUTH	2019	-
690 CHANGING WINDS	13INR0045		CASTRO	WIND	PANHANDLE	2018	-
691 LOCKETT WIND FARM	16INR0062b		WILBARGER	WIND	WEST	2018	-
692 WILLOW SPRINGS WIND	14INR0060b		HASKELL	WIND	WEST	2017	230.0
693 CHAPMAN RANCH WIND I	16INR0055		NUECES	WIND-C	COASTAL	2017	250.0
694 PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2018	-
695 ROCK SPRINGS VAL VERDE WIND	11INR0082a		VAL VERDE	WIND	WEST	2017	149.3
696 BRUENNING'S BREEZE	14INR0041a		WILLACY	WIND-C	COASTAL	2017	-
697 SANTA RITA WIND	16INR0091		REAGAN	WIND	WEST	2017	-
698 SWISHER WIND	13INR0038		SWISHER	WIND	PANHANDLE	2018	-
699 BUCKTHORN WIND 1	14INR0057		ERATH	WIND	NORTH	2017	-
700 FLUVANNA RENEWABLE 1	13INR0056		SCURRY	WIND	WEST	2017	-
701 RTS WIND	16INR0087		MCCULLOCH	WIND	SOUTH	2018	-
702 SILVER CANYON WIND A	12INR0002a		BRISCOE	WIND	PANHANDLE	2017	-
703 FLAT TOP WIND I	15INR0082		COMANCHE	WIND	NORTH	2018	-
704 CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2018	-
705 SALT FORK WIND EXPANSION	16INR0121		CARSON	WIND	PANHANDLE	2018	-
706 CHOCOLATE BAYOU	16INR0074		BRAZORIA	WIND-C	COASTAL	2018	-
707 GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2018	-
708 COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2018	-
709 BEARKAT WIND A	15INR0064		GLASSCOCK	WIND	WEST	2017	-
710 BEARKAT WIND B	15INR0064b		GLASSCOCK	WIND	WEST	2018	-
711 INFINITY LIVE OAK WIND	12INR0060		SCHLEICHER	WIND	WEST	2018	-
712 CACTUS FLATS WIND	16INR0086		CONCHO	WIND	WEST	2018	-
713 STAKED PLAINS WIND 1	18INR0025		LYNN	WIND	WEST	2018	-
714 Planned Capacity Total (Wind)							629.3
715							
716 Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					379.3
717 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				35.0
718							
719 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					250.0
720 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				44.0
721							
722 Planned Solar Resources with Executed SGIA							
723 FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2017	7.4
724 OCI ALAMO 6 (WEST TEXAS PHASE II)	15INR0070_1b		PECOS	SOLAR	WEST	2017	49.1
725 SE BUCKTHORN WESTEX SOLAR (RIGGINS SOLAR)	15INR0045		PECOS	SOLAR	WEST	2018	-
726 NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2019	-
727 PECOS SOLAR POWER I	15INR0059		PECOS	SOLAR	WEST	2019	-
728 BNB LAMESA SOLAR (PHASE I)	16INR0023		DAWSON	SOLAR	WEST	2017	101.6
729 LAMESA SOLAR (PHASE II)	16INR0023b		DAWSON	SOLAR	WEST	2018	-
730 CAPRICORN RIDGE SOLAR	16INR0019		COKE	SOLAR	WEST	2018	-
731 CASTLE GAP SOLAR	16INR0065		UPTON	SOLAR	WEST	2018	-
732 SOLAIREHOLMAN 1 (LASSO)	15INR0061		BREWSTER	SOLAR	WEST	2017	50.0
733 RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2018	-
734 RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2019	-
735 RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2019	-
736 RE MAPLEWOOD 2D SOLAR	17INR0020d		PECOS	SOLAR	WEST	2020	-
737 RE MAPLEWOOD 2E SOLAR	17INR0020e		PECOS	SOLAR	WEST	2020	-
738 UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2018	-
739 WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2018	-
740 PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2018	-
741 Planned Capacity Total (Solar)							208.1
742 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				63.0
743							
744 Seasonal Mothballed Resources							
745 N/A							-
746 Total Seasonal Mothballed Capacity							-
747							
748 Mothballed Resources							
749 GREENS BAYOU STG U5 (SINCE 5/29/2017)		GBY_GBY_5	HARRIS	GAS	HOUSTON	2016	371.0
750 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	430.0
751 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
752 S R BERTRON CTG 2 (SINCE 5/15/2013)		SRB_SRBGT_2	HARRIS	GAS	HOUSTON	1967	11.0
753 S R BERTRON U1 (SINCE 5/15/2013)		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	115.0
754 S R BERTRON U2 (SINCE 5/15/2013)		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	171.0
755 S R BERTRON U3 (SINCE 5/22/2013)		SRB_SRB_G3	HARRIS	GAS	HOUSTON	1959	208.0
756 S R BERTRON U4 (SINCE 5/22/2013)		SRB_SRB_G4	HARRIS	GAS	HOUSTON	1960	208.0
757 GIBBONS CREEK U1 (AS OF 10/17/2017)		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
758 Total Mothballed Capacity							2,404.0
759							

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
760 Retiring Resources Unavailable to ERCOT (since last CDR/SARA)							
761 PEARSALL STG U1 (SINCE 8/1/2017)		PEARSALL_PEAR_1	FRIO	GAS	SOUTH	1961	20.0
762 PEARSALL STG U2 (SINCE 8/1/2017)		PEARSALL_PEAR_2	FRIO	GAS	SOUTH	1961	24.0
763 PEARSALL STG U3 (SINCE 8/1/2017)		PEARSALL_PEAR_3	FRIO	GAS	SOUTH	1961	22.0
764 Total Retiring Capacity							66.0

Seasonal Assessment of Resource Adequacy for the ERCOT Region

Background

The Seasonal Assessment of Resource Adequacy (SARA) report is a deterministic approach to considering the impact of potential variables that may affect the sufficiency of installed resources to meet the peak electrical demand on the ERCOT System during a particular season.

The standard approach to assessing resource adequacy for one or more years into the future is to account for projected load and resources on a normalized basis and to require sufficient reserves (resources in excess of peak demand, on this normalized basis) to cover the uncertainty in peak demand and resource availability to meet a one-in-ten-years loss-of-load event criteria on a probabilistic basis.

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

In contrast to the Capacity, Demand and Reserves (CDR) report, which addresses the sufficiency of planning reserves on an annual basis as described above, the SARA report focuses on the availability of sufficient operating reserves to avoid emergency actions such as deployment of voluntary load reduction resources. Consequently, load reduction resources included in the CDR report, such as Emergency Response Service (ERS) and Load Resources that provide operating reserves (LRs), are excluded from the SARA.

The SARA report is intended to illustrate the range of resource adequacy outcomes that might occur, and thus help fulfill the reporting requirement per Public Utility Commission of Texas rule 25.362(i)(2)(H). Several sensitivity analyses are developed by varying the value of certain parameters that affect resource adequacy. The variation in these parameters is based on historic values of these parameters or adjustments by any known or expected changes.