

FINAL
Seasonal Assessment of Resource Adequacy for the ERCOT Region
Fall 2016

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 2016).

This SARA report includes a 54,437 MW fall peak load forecast, which is unchanged from the forecast used for the preliminary fall SARA report released in May 2016.

Since the release of the preliminary fall SARA, four gas-fired combustion turbine units (623 MW fall seasonal capacity rating) and three wind projects (703 MW nameplate, 273 MW fall capacity contribution) have moved from planned to operational status. Three of the gas units are Switchable Generation Resources that can connect to either the ERCOT or Southwest Power Pool grids. In addition, a 83 MW mothballed gas-fired resource became operational in July. Capacity excluded from the final fall SARA report includes a planned gas combustion turbine project that has been delayed beyond October 1, 2016.

This final fall SARA report includes a unit outage forecast of 13,672 MW developed from historical fall season outage data gathered since the start of the Texas Nodal Market in December 2010.

Although ERCOT has not been notified of changes to available generation capacity for the fall season associated with regulatory requirements, it continues to monitor and consult with generation resource owners regarding their regulatory compliance plans.

Seasonal Assessment of Resource Adequacy for the ERCOT Region
Fall 2016 - Final
Release Date: September 1, 2016

Forecasted Capacity and Demand

Operational Resources (Thermal and Hydro), MW	67,477	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,748	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
less Switchable Capacity Unavailable to ERCOT, MW	(490)	Based on survey responses of Switchable Resource owners
Mothball Resources, MW	0	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	3,770	Average capability of the top 20 hours in the fall peak seasons for the past three years (2012-2014)
Non-Coastal Wind Resources Capacity Contribution, MW	5,262	Based on 36% of installed capacity for non-coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	942	Based on 46% 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	178	Based on 62% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
RMR Resources under Contract, MW	0	Gas-fired unit (371 MW) placed under RMR contract on June 2, 2016; not available during fall season
Non-Synchronous Ties Capacity Contribution, MW	339	Average capability of the top 20 hours in the fall peak seasons for the past three years (2013-2015)
Planned Thermal Resources with Signed IA, Air Permits and Water Rights, MW	225	Based on in-service dates provided by developers of generation resources
Planned Non-Coastal Wind with signed IA, MW	402	Based on in-service dates provided by developers of generation resources and 29% of installed capacity for non-coastal wind resources
Planned Coastal Wind with signed IA, MW	0	Based on in-service dates provided by developers of generation resources and 38% of installed capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	362	Based on 62% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
[a] Total Resources, MW	82,216	
[b] Peak Demand, MW	54,437	Fall peak forecast is based on normal weather conditions for 2002 – 2014
[c] Reserve Capacity [a - b], MW	27,779	

Range of Potential Risks

	Forecasted	Extreme Load /	Extreme Load /	
	Season Peak	Typical	Extreme	
	Load	Generation	Generation	
	Load	Outages	Outages	
Seasonal Load Adjustment	-	3,333	3,333	Based on October 2014 weather, which approximates 90th percentile weather conditions for this month
Typical Maintenance Outages	9,810	9,810	9,810	Based on historical average of planned outages for October through November weekdays (starting in 2010)
Typical Forced Outages	3,862	3,862	3,862	Based on historical average of forced outages for October through November weekdays (starting in 2010)
90th Percentile Forced Outages	-	-	2,044	Based on historical forced outages assuming a 90% confidence interval
[d] Total Uses of Reserve Capacity	13,672	17,005	19,049	
[e] Capacity Available for Operating Reserves (c-d), MW	14,107	10,774	8,730	
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	1222.0
5 COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1209.0
6 SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1318.0
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1325.0
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	660.0
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 GIBBONS CREEK U1		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
15 J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1992	560.0
16 J K SPRUCE U2		CALAVERS_JKS2	BEXAR	COAL	SOUTH	2010	775.0
17 J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1977	420.0
18 J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1978	420.0
19 LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	831.0
20 LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	858.0
21 MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	815.0
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_UNITS	MILAM	COAL	SOUTH	2010	600.0
31 SANDY CREEK U1		SCES_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	659.0
35 W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	658.0
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	149.0
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_STO100	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 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	171.0
68 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	164.0
69 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	164.0
70 CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	146.0
71 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	194.0
72 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	206.0
73 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	194.0
74 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	206.0
75 DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
76 DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	179.0
77 ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	231.0
78 ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	127.0
79 FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	175.9
80 FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	175.9
81 FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	196.9
82 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	178.0
83 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	170.0
84 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	170.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
85 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	178.0
86 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	170.0
87 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	170.0
88 FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	420.0
89 FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	420.0
90 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	155.2
91 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	155.2
92 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	177.6
93 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	155.4
94 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	155.4
95 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	176.5
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
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	220.0
103 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	220.0
104 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	225.0
105 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	225.0
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	2005	150.0
110 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2005	150.0
111 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2005	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	171.0
118 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	161.0
119 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	161.0
120 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	166.0
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		LOSTPL_LOSTPGT1	BASTROP	GAS	SOUTH	2001	178.0
124 LOST PINES POWER CTG 2		LOSTPL_LOSTPGT2	BASTROP	GAS	SOUTH	2001	172.0
125 LOST PINES POWER STG		LOSTPL_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	235.0
130 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	235.0
131 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	235.0
132 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	235.0
133 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	252.0
134 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	252.0
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		OECCS_CT11	ECTOR	GAS	WEST	2001	155.8
139 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	149.5
140 ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	152.0
141 ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	150.3
142 ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	207.7
143 ODESSA-ECTOR POWER STG 2		OECCS_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_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
148 PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
149 PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	353.1
150 PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
151 PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
152 PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	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		RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	162.0
166 RIO NOGALES POWER CTG 2		RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	162.0
167 RIO NOGALES POWER CTG 3		RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	162.0
168 RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
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 CTG 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 CTG 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	57.0
178 T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	57.0
179 T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	57.0
180 T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	57.0
181 T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	104.0
182 T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	57.0
183 T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	57.0
184 T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	57.0
185 T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	57.0
186 T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	104.0
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	275.0
198 WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	275.0
199 WISE-TRACTEBEL POWER STG 1		WCPP_ST1	WISE	GAS	NORTH	2004	290.0
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 ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
204 DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5
205 DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
206 DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	49.0
207 DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	49.0
208 DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	49.0
209 DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	49.0
210 DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	74.0
211 DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	73.0
212 DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	72.0
213 DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	71.0
214 ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	153.6
215 ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	153.6
216 EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	42.0
217 EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	42.0
218 EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	42.0
219 EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	42.0
220 GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	54.0
221 GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	54.0
222 GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	54.0
223 GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	58.0
224 GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	64.0
225 GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	54.0
226 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.4
227 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.4
228 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.4
229 LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	93.0
230 LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	90.2
231 LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	45.0
232 LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
233 LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
234 LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
235 MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	77.0
236 MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	77.0
237 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	77.0
238 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	77.0
239 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	77.0
240 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	77.0
241 PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
242 PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
243 PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
244 PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
245 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	71.0
246 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	70.0
247 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	73.0
248 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	74.0
249 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	74.0
250 R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
251 R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
252 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
253 SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
254 SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
255 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	81.0
256 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	81.0
257 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
258 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
259 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
260 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
261 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
262 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
263 SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
264 SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
265 SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
266 T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
267 T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
268 T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
269 T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
270 T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
271 T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
272 T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
273 TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	89.0
274 V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
275 V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
276 V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
277 V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
278 W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
279 W A PARISH - PETRA NOVA CTG		PNPL_GT2	FORT BEND	GAS	HOUSTON	2013	83.0
280 WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
281 WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
282 WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
283 WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
284 B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
285 CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
286 CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
287 DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
288 DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
289 DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	420.0
290 GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
291 GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
292 HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
293 HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
294 HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
295 LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
296 LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
297 MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
298 MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
299 MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
300 O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
301 O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
302 PEARSALL STG U1		PEARSALL_PEAR_1	FRIO	GAS	SOUTH	1961	20.0
303 PEARSALL STG U2		PEARSALL_PEAR_2	FRIO	GAS	SOUTH	1961	23.0
304 PEARSALL STG U3		PEARSALL_PEAR_3	FRIO	GAS	SOUTH	1961	21.0
305 POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	20.0
306 POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	26.0
307 POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	41.0
308 R W MILLER STG U1		MIL_MILLER1	PALO PINTO	GAS	NORTH	1968	75.0
309 R W MILLER STG U2		MIL_MILLER2	PALO PINTO	GAS	NORTH	1972	120.0
310 R W MILLER STG U3		MIL_MILLER3	PALO PINTO	GAS	NORTH	1975	208.0
311 RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
312 RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
313 RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
314 SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
315 SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
316 SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
317 SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	61.0
318 SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
319 STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
320 STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
321 TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
322 V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	220.0
323 V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
324 V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
325 W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
326 W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
327 W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
328 W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	536.0
329 NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHE	BIOMASS	NORTH	2012	105.0
330 BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
331 BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
332 FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
333 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
334 MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
335 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
336 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
337 TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
338 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
339 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
340 VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
341 VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
342 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
343 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
344 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
345 WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
346 WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
347 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2012	0.0
348 Operational Capacity Total (Nuclear, Coal, Gas, Biomass)							67,230.7
349							
350 Operational Resources (Hydro)							
351 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
352 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
353 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
354 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
355 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
356 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
357 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
358 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
359 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
360 FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
361 FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
362 FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
363 GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
364 GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
365 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
366 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
367 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
368 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
369 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
370 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
371 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
372 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
373 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
374 EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
375 GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
376 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
377 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
378 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
379 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
380 Operational Capacity Total (Hydro)							555.1
381 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					440.8
382							
383 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					(195.0)
384 Operational Capacity Total (Including Hydro and Extended Outage or Derate)		OPERATION_TOTAL					67,476.5
385							
386 Operational Resources (Switchable)							
387 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	178.0
388 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	180.0
389 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	307.0
390 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	178.0
391 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	180.0
392 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	307.0
393 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
394 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
395 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
396 TENASKA FRONTIER STATION CTG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
397 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
398 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
399 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
400 TENASKA GATEWAY STATION CTG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
401 FRONTERA GENERATION CTG 1		FRONTERA_FRONTEG1	HIDALGO	GAS	SOUTH	1999	-
402 FRONTERA GENERATION CTG 2		FRONTERA_FRONTEG2	HIDALGO	GAS	SOUTH	1999	-
403 FRONTERA GENERATION CTG 3		FRONTERA_FRONTEG3	HIDALGO	GAS	SOUTH	2000	-
404 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	WEST	2016	190.0
405 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	WEST	2016	190.0
406 ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	WEST	2016	190.0
407 Switchable Capacity Total							3,748.0
408							
409 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL		GAS			(490.0)
410							
411 Available Mothball Capacity based on Seasonal Schedule or Owner's Return Probability		MOTH_AVAIL		COAL			-
412							
413 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,762.1
414 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			8.0
415							
416 Operational Resources (Wind)							
417 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
418 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
419 BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
420 BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
421 BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
422 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
423 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
424 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
425 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
426 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
427 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
428 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
429 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
430 CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
431 CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
432 CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
433 CAPRICORN RIDGE WIND 2		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
434 CAPRICORN RIDGE WIND 3		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
435 CAPRICORN RIDGE WIND 4		CAPRIDG4_CR4	COKE	WIND	WEST	2008	112.5
436 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
437 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
438 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
439 DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
440 DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
441 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
442 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
443 ELBOW CREEK WIND		ELB_ELBECREEK	HOWARD	WIND	WEST	2008	118.7
444 FOREST CREEK WIND		MCDDL_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
445 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
446 GOAT WIND 2		GOAT_GOATWIND2	STERLING	WIND	WEST	2010	69.6
447 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
448 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
449 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
450 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
451 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
452 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
453 GREEN PASTURES WIND 2		GPASTURE_WIND_II	BAYLOR	WIND	WEST	2015	150.0
454 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
455 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
456 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
457 HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
458 HORSE HOLLOW WIND 2		HHOLLOW2_WND1	TAYLOR	WIND	WEST	2006	158.0
459 HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
460 HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
461 INADALE WIND		INDL_INADALE1	NOLAN	WIND	WEST	2008	196.6
462 INDIAN MESA WIND		INDNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
463 JAVELINA WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
464 JAVELINA WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
465 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
466 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
467 KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
468 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
469 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
470 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
471 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
472 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
473 LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	103.8
474 LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	106.3
475 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
476 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
477 LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
478 LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
479 LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
480 LORAIN WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2009	49.5
481 LORAIN WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2009	51.0
482 LORAIN WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
483 LORAIN WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
484 LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
485 MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
486 MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
487 MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
488 MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
489 MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
490 NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
491 NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
492 OCOTILLO WIND		OWF_OWF	HOWARD	WIND	WEST	2008	58.8
493 PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
494 PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
495 PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
496 PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
497 PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
498 PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
499 PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
500 PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	82.5
501 PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	77.2
502 PYRON WIND		PYR_PYRON1	SCURRY	WIND	WEST	2008	249.0
503 RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
504 RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
505 RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
506 ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	209.0
507 ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
508 SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
509 SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
510 SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
511 SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
512 SHERBINO 1 WIND		KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
513 SHERBINO 2 WIND		KEO_SHRBINO2	PECOS	WIND	WEST	2011	147.5
514 SILVER STAR WIND		FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
515 SNYDER WIND		ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
516 SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
517 SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
518 SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
519 SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
520 SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
521 SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
522 SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
523 SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
524 STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
525 STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
526 STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
527 SWEETWATER WIND 1		SWEETWIND_WND1	NOLAN	WIND	WEST	2003	36.6
528 SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	18.1
529 SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	105.0
530 SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	28.5
531 SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	100.5
532 SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	79.2
533 SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	103.7
534 SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	117.8
535 TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
536 TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
537 TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
538 TRINITY HILLS WIND 1		TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
539 TRINITY HILLS WIND 2		TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
540 TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
541 WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
542 WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
543 WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	91.0
544 WINDTHORST 2 WIND		WINDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
545 WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
546 WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
547 TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
548 WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
549 Operational Wind Capacity Sub-total (Non-Coastal Counties)							14,617.9
550 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				36.0
551							
552 BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
553 BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
554 CAMERON COUNTY WIND [CAMWIND_UNIT1]		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
555 GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
556 GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
557 LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
558 LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
559 MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
560 MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
561 PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
562 PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
563 PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
564 PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
565 PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
566 HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
567 Operational Wind Capacity Sub-total (Coastal Counties)							2,047.4
568 Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				46.0
569							
570 Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					16,665.3
571							
572 Operational Resources (Solar)							
573 ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
574 FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2014	22.0
575 OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
576 OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
577 OCI ALAMO 5 (DOWNE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
578 WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
579 BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
580 BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
581 OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
582 OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
583 RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
584 SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
585 SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
586 SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
587 SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
588 Operational Capacity Total (Solar)							287.7

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
589 Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				62.0
590							
591 Available Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT		GAS			0.0
592							
593 Non-Synchronous Tie Resources							
594 EAST TIE		DC_E	FANNIN		NORTH		600.0
595 NORTH TIE		DC_N	WILBARGER		WEST		220.0
596 EAGLE PASS TIE		DC_S	MAVERICK		SOUTH		30.0
597 LAREDO VFT TIE		DC_L	WEBB		SOUTH		100.0
598 SHARYLAND RAILROAD TIE		DC_R	HIDALGO		SOUTH		150.0
599 SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO		SOUTH		150.0
600 Non-Synchronous Ties Total							1,250.0
601 Non-Synchronous Ties Capacity Contribution (Top 20 Hours)		DCTIE_CAP_CONT		OTHER			339.2
602							
603 Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Water Rights							
604 COLORADO BEND II	17INR0007		WHARTON	GAS	SOUTH	2017	0.0
605 TEXAS CLEAN ENERGY PROJECT	13INR0023		ECTOR	COAL	WEST	2019	0.0
606 FGE TEXAS I PROJECT	16INR0010		MITCHELL	GAS	WEST	2018	0.0
607 ANTELOPE 1-3 IC (Switchable; Capacity = 163.8 MW)	13INR0028		HALE	GAS	WEST	2016	0.0
608 LA PALOMA ENERGY CENTER PROJECT	16INR0004		CAMERON	GAS	COASTAL	2019	0.0
609 PHR PEAKERS [BAC_CTG1-6]	14INR0038		GALVESTON	GAS	HOUSTON	2016	0.0
610 INDECK WHARTON ENERGY CENTER	15INR0023		WHARTON	GAS	SOUTH	2019	0.0
611 PINECREST ENERGY CENTER PROJECT	16INR0006		ANGELINA	GAS	NORTH	2017	0.0
612 RED GATE IC PLANT [REDGATE_AGR_A-D]	14INR0040		HIDALGO	GAS	SOUTH	2016	225.0
613 WOLF HOLLOW 2	17INR0009		HOOD	GAS	NORTH	2017	0.0
614 FRIENDSWOOD G	13INR0049		HARRIS	GAS	HOUSTON	2017	0.0
615 BETHEL CAES PROJECT	15INR0013		ANDERSON	STORAGE	NORTH	2018	0.0
616 HALYARD HENDERSON	16INR0045		HENDERSON	GAS	NORTH	2018	0.0
617 HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2018	0.0
618 Planned Capacity Total (Coal, Gas & Storage)							225.0
619							
620 Planned Wind Resources with Executed SGIA							
621 ALBERCAS WIND	15INR0049		ZAPATA	WIND	SOUTH	2016	0.0
622 GUNSIGHT MOUNTAIN WIND	08INR0018		HOWARD	WIND	WEST	2016	120.0
623 MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2017	0.0
624 LONGHORN WIND SOUTH	14INR0023b		BRISCOE	WIND	PANHANDLE	2017	0.0
625 MARIAH WIND A	13INR0010a		PARMER	WIND	PANHANDLE	2018	0.0
626 MARIAH WIND B	13INR0010b		PARMER	WIND	PANHANDLE	2016	0.0
627 MARIAH DEL SUR	13INR0010c		PARMER	WIND	PANHANDLE	2018	0.0
628 RATTLESNAKE DEN WIND 2	13INR0020b		GLASSCOCK	WIND	WEST	2018	0.0
629 PATRIOT WIND (PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2017	0.0
630 COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	2018	0.0
631 PAMPA WIND	12INR0018		GRAY	WIND	PANHANDLE	2018	0.0
632 WAKE WIND	14INR0047		DICKENS	WIND	PANHANDLE	2016	0.0
633 GRANDVIEW WIND 3 (CONWAY)	13INR0005c		CARSON	WIND	PANHANDLE	2016	0.0
634 SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2017	0.0
635 PULLMAN ROAD WIND	15INR0079		RANDALL	WIND	PANHANDLE	2018	0.0
636 PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2016	0.0
637 SALT FORK WIND	14INR0062		GRAY	WIND	PANHANDLE	2016	0.0
638 LOS VIENTOS IV WIND	15INR0037		STARR	WIND	SOUTH	2016	200.0
639 LOS VIENTOS V WIND [LV5_UNIT_1]	15INR0021		STARR	WIND	SOUTH	2016	110.0
640 PALO DURO WIND	15INR0050		DEAF SMITH	WIND	PANHANDLE	2018	0.0
641 CAPROCK WIND	10INR0009		CASTRO	WIND	PANHANDLE	2017	0.0
642 SAN ROMAN WIND	14INR0013		CAMERON	WIND-C	COASTAL	2016	0.0
643 TORRECILLAS WIND A	14INR0045a		WEBB	WIND	SOUTH	2017	0.0
644 TORRECILLAS WIND B	14INR0045b		WEBB	WIND	SOUTH	2017	0.0
645 CHANGING WINDS	13INR0045		CASTRO	WIND	PANHANDLE	2017	0.0
646 ELECTRA WIND	16INR0062a		WILBARGER	WIND	WEST	2016	0.0
647 LOCKETT WIND FARM	16INR0062b		WILBARGER	WIND	WEST	2017	0.0
648 HORSE CREEK WIND	14INR0060		HASKELL	WIND	WEST	2016	230.0
649 WILLOW SPRINGS WIND	14INR0060b		HASKELL	WIND	WEST	2017	0.0
650 MUENSTER WIND	15INR0085		COOKE	WIND	NORTH	2016	0.0
651 HAPPY WHITEFACE WIND	15INR0074		DEAF SMITH	WIND	PANHANDLE	2016	157.0
652 CHAPMAN RANCH WIND I	16INR0055		NUECES	WIND-C	COASTAL	2017	0.0
653 HIDALGO & STARR WIND	16INR0024		HIDALGO	WIND	SOUTH	2016	250.0
654 BLANCO CANYON WIND (COTTON PLAINS)	16INR0037		FLOYD	WIND	PANHANDLE	2016	50.0
655 BLANCO CANYON WIND (OLD SETTLER)	16INR0037b		FLOYD	WIND	PANHANDLE	2017	0.0
656 PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2017	0.0
657 ROCK SPRINGS VAL VERDE WIND	11INR0082a		VAL VERDE	WIND	WEST	2017	0.0
658 MAGIC VALLEY WIND II (REDFISH 2A and 2B)	14INR0041a		WILLACY	WIND-C	COASTAL	2017	0.0
659 SALT FORK WIND 2	16INR0082		CARSON	WIND	PANHANDLE	2017	0.0
660 SANTA RITA WIND	16INR0091		REAGAN	WIND	WEST	2017	0.0
661 SWISHER WIND	13INR0038		SWISHER	WIND	PANHANDLE	2017	0.0
662 BUCKTHORN WIND 1	14INR0057		ERATH	WIND	NORTH	2016	0.0
663 FLUVANNA RENEWABLE 1	13INR0056		SCURRY	WIND	WEST	2017	0.0
664 RTS WIND	16INR0087		MCCULLOCH	WIND	SOUTH	2016	0.0
665 SILVER CANYON WIND A	12INR0002a		BRISCOE	WIND	PANHANDLE	2017	0.0
666 LOGAN'S GAP WIND II	15INR0082		COMANCHE	WIND	NORTH	2017	0.0
667 CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2017	0.0
668 SALT FORK WIND EXPANSION	16INR0121		CARSON	WIND	PANHANDLE	2017	0.0
669 CHOCOLATE BAYOU	16INR0074		BRAZORIA	WIND-C	COASTAL	2017	0.0
670 GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2016	0.0
671 Planned Capacity Total (Wind)							1,117.0
672							

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
673 Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					1,117.0
674 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				36.0
675							
676 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					-
677 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				46.0
678							
679 Planned Solar Resources with Executed SGIA							
680 FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2016	7.4
681 FS BARILLA SOLAR 2	12INR0059c		PECOS	SOLAR	WEST	2017	0.0
682 RE ROSE ROCK SOLAR	16INR0048		PECOS	SOLAR	WEST	2016	160.0
683 OCI ALAMO 6 (WEST TEXAS)	15INR0070_1		PECOS	SOLAR	WEST	2016	110.0
684 OCI ALAMO 6 (WEST TEXAS PHASE II)	15INR0070_1b		PECOS	SOLAR	WEST	2016	0.0
685 SE BUCKTHORN WESTEX SOLAR (RIGGINS SOLAR)	15INR0045		PECOS	SOLAR	WEST	2017	0.0
686 FS EAST PECOS SOLAR	16INR0073		PECOS	SOLAR	WEST	2016	0.0
687 OCI ALAMO 7 (PAINT CREEK)	16INR0052		HASKELL	SOLAR	WEST	2016	106.0
688 LC NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2016	201.0
689 PECOS SOLAR POWER I	15INR0059		PECOS	SOLAR	WEST	2019	0.0
690 BNB LAMESA SOLAR	16INR0023		DAWSON	SOLAR	WEST	2017	0.0
691 BNB LAMESA SOLAR B	16INR0023b		DAWSON	SOLAR	WEST	2017	0.0
692 CAPRICORN RIDGE SOLAR	16INR0019		COKE	SOLAR	WEST	2017	0.0
693 UPCO POWER 1 (SP-TX-12)	16INR0065		UPTON	SOLAR	WEST	2017	0.0
694 CASTLE GAP SOLAR 2	16INR0065a		UPTON	SOLAR	WEST	2017	0.0
695 SP-TX-12-PHASE B	16INR0065b		UPTON	SOLAR	WEST	2017	0.0
696 SOLAIREHOLMAN 1	15INR0061		BREWSTER	SOLAR	WEST	2017	0.0
697 RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2018	0.0
698 RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2019	0.0
699 RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2020	0.0
700 RE MAPLEWOOD 2D SOLAR	17INR0020d		PECOS	SOLAR	WEST	2020	0.0
701 Upton Solar	16INR0114		UPTON	SOLAR	WEST	2017	0.0
702 Planned Capacity Total (Solar)							584.4
703 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				62.0
704							
705 Seasonal Mothballed Resources							
706 MARTIN LAKE U2 (AS OF 10/1/2015)		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
707 Total Seasonal Mothballed Capacity							820.0
708							
709 RMR Resources							
710 GREENS BAYOU STG U5 (available July-Sept. for both 2016 and 2017; June 2018)		GBY_GBY_5	HARRIS	GAS	HOUSTON	2016	371.0
711 Total RMR Capacity							371.0
712							
713 Mothballed Resources							
714 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1918	430.0
715 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1918	420.0
716 LUFKIN BIOMASS (AS OF 7/6/2016)		LFBIO_UNIT1	ANGELINA	BIOMASS	NORTH	2012	45.0
717 S R BERTRON CTG 2 (SINCE 5/15/2013)		SRB_SRBGT_2	HARRIS	GAS	HOUSTON	1967	13.0
718 S R BERTRON U1 (SINCE 5/15/2013)		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	118.0
719 S R BERTRON U2 (SINCE 5/15/2013)		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	174.0
720 S R BERTRON U3 (SINCE 5/22/2013)		SRB_SRB_G3	HARRIS	GAS	HOUSTON	1959	211.0
721 S R BERTRON U4 (SINCE 5/22/2013)		SRB_SRB_G4	HARRIS	GAS	HOUSTON	1960	211.0
722 Total Mothballed Capacity							1,622.0
723							
724 Retiring Resources Unavailable to ERCOT (since last CDR)							
725 FRONTERA GENERATION CTG 1 (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTG1_RET	HIDALGO	GAS	SOUTH	1916	170.0
726 FRONTERA GENERATION CTG 2 (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTG2_RET	HIDALGO	GAS	SOUTH	1916	170.0
727 FRONTERA GENERATION CTG 3 (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTG3_RET	HIDALGO	GAS	SOUTH	2016	184.0
728 Total Retiring Capacity (since last CDR)							524.0

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.