

**FINAL**  
**Seasonal Assessment of Resource Adequacy for the ERCOT Region**  
**Winter 2016/2017**

**SUMMARY**

The ERCOT Region is expected to have sufficient installed generating capacity to serve the forecasted peak demand in the upcoming winter season (December 2016 through February 2017). The forecasted peak demand of 58,591 MW is based on expected winter peak weather conditions, and is unchanged from the forecast used for the preliminary winter SARA report released in September 2016.

Since the release of the preliminary winter SARA report, total resource capacity expected to be available during winter peak load hours increased by 304 MW. Additionally, ERCOT approved 592 MW of wind and solar nameplate capacity for commercial operations, which is expected to provide a winter peak capacity contribution of 103 MW.

Based on the scenarios evaluated, an extreme higher-than-normal number of forced generation outages occurring during a period of unusually high demand would be unlikely to result in insufficient resources being available to serve those demands. Even if those conditions coincide with extremely low temperatures and associated capacity reductions resulting from natural gas curtailments, current information indicates that there would be sufficient generation available on a systemwide basis.

This final winter SARA report includes a unit outage forecast of 8,534 MW developed from historical winter season outage data gathered since the start of the Texas Nodal Market in December 2010. For the extreme outage scenario, which accounts for capacity reductions due to natural gas curtailments resulting from combined low ambient temperatures and extreme peak loads, outages total to more than 13,600 MW.

Although ERCOT has not been notified of changes to available generation capacity for the winter 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**  
**Winter 2016/2017 - Final**  
**Release Date: November 1, 2016**

**Forecasted Capacity and Demand**

Operational Resources (Thermal and Hydro), MW	69,527	Based on current ratings reported through the unit registration process
Switchable Capacity Total, MW	3,931	Rated capacity of resources that can interconnect with other regions and are available to ERCOT
less Switchable Capacity Unavailable to ERCOT, MW	(663)	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	4,182	Average capability of the top 20 hours in the winter peak seasons for the past three years
Non-Coastal Wind Resources Capacity Contribution, MW	3,021	Based on 20% of rated capacity for non-coastal wind resources per Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	717	Based on 35% of rated capacity for coastal wind resources per Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	20	Based on 5% 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 winter season
Non-Synchronous Ties Capacity Contribution, MW	246	Average capability of the top 20 hours in the winter peak seasons for the past three years
Planned Thermal Resources with Signed IA, Air Permits and Water Rights, MW	615	Based on projected dates provided by developers of generation resources
Planned Non-Coastal Wind, MW	167	Based on projected dates and 20% of rated capacity for non-coastal wind resources
Planned Coastal Wind, MW	33	Based on projected dates and 35% of rated capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	14	Based on projected dates and 5% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
<b>[a] Total Resources, MW</b>	<b>81,810</b>	
<b>[b] Peak Demand, MW</b>	<b>58,591</b>	Peak forecast is based on expected weather conditions for winter 2016/2017
<b>[c] Reserve Capacity [a - b], MW</b>	<b>23,219</b>	

**Range of Potential Scenarios**

	<b>Forecasted Season Peak Load</b>	<b>Extreme Load / Typical Generation Outages</b>	<b>Extreme Load / Extreme Generation Outages</b>	
Peak Load Adjustment	-	7,118	7,118	Winter Peak Load Extreme Forecast is 65,709 MW, and is based on 2011 winter weather conditions
Typical Maintenance Outages	4,291	4,291	4,291	
Typical Forced Outages (2)	4,243	5,755	5,755	Based on historical average of forced outages for December through February weekdays (starting in 2010); both Extreme Load scenarios include typical outages/derates due to natural gas curtailments during extreme peak load hours
Extreme Forced Outages (90th Percentile)	-	-	3,586	Based on historical forced outages at the 90% confidence interval plus additional derates due to natural gas curtailments resulting from combined low ambient temperatures and extreme peak loads
<b>[d] Total Uses of Reserve Capacity</b>	<b>8,534</b>	<b>17,164</b>	<b>20,750</b>	
<b>[e] Capacity Available for Operating Reserves (c-d), MW</b>	<b>14,685</b>	<b>6,055</b>	<b>2,469</b>	
Less than 2,300 MW indicates risk of EEA1				

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
<b>Operational Resources (Thermal)</b>							
4 COMANCHE PEAK U1		CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	1990	1,235.0
5 COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,225.0
6 SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,350.0
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,354.0
8 BIG BROWN U1		BBSES_UNIT1	FREESTONE	COAL	NORTH	1971	606.0
9 BIG BROWN U2		BBSES_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	605.0
13 FAYETTE POWER U3		FPPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	449.0
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 U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
23 MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	820.0
24 MONTICELLO U1		MNSES_UNIT1	TITUS	COAL	NORTH	1974	580.0
25 MONTICELLO U2		MNSES_UNIT2	TITUS	COAL	NORTH	1975	580.0
26 MONTICELLO U3		MNSES_UNIT3	TITUS	COAL	NORTH	1978	795.0
27 OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	840.0
28 OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	825.0
29 OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
30 SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
31 SANDOW U5		SDSSES_UNIT5	MILAM	COAL	SOUTH	2010	600.0
32 SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	970.0
33 TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	158.0
34 TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	158.0
35 W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	659.0
36 W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	658.0
37 W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
38 W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
39 ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	149.0
40 ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	149.0
41 ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	160.0
42 BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	165.0
43 BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	165.0
44 BARNEY M DAVIS REPOWER CTG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	325.0
45 BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	167.0
46 BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	167.0
47 BASTROP ENERGY CENTER CTG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	234.0
48 BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	170.9
49 BOSQUE ENERGY CENTER CTG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	85.2
50 BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	170.9
51 BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	168.5
52 BOSQUE ENERGY CENTER CTG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	226.7
53 BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	168.0
54 BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	168.0
55 BRAZOS VALLEY CTG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
56 CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	77.5
57 CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.5
58 CALENERGY-FALCON SEABOARD CTG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	74.0
59 CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	173.0
60 CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	173.0
61 CEDAR BAYOU 4 CTG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	186.0
62 COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	79.0
63 COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	72.0
64 COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2007	102.0
65 COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	77.0
66 COLORADO BEND ENERGY CENTER CTG 5		CBEC_GT5	WHARTON	GAS	SOUTH	2008	73.0
67 COLORADO BEND ENERGY CENTER CTG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	108.0
68 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	191.0
69 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	189.0
70 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	189.0
71 CVC CHANNELVIEW CTG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	146.0
72 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	203.0
73 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	215.0
74 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	203.0
75 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	215.0
76 DEER PARK ENERGY CENTER CTG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
77 DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	190.0
78 ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	231.0
79 ENNIS POWER STATION CTG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	127.0
80 FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	186.1
81 FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	186.1

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
82 FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	194.9
83 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	192.0
84 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	184.0
85 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	184.0
86 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	192.0
87 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	184.0
88 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	184.0
89 FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	420.0
90 FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	420.0
91 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	160.7
92 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	160.7
93 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	179.8
94 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	161.1
95 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	161.1
96 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	179.7
97 GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	167.0
98 GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	167.0
99 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	167.0
100 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	167.0
101 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	203.0
102 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	203.0
103 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	237.0
104 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	237.0
105 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	247.0
106 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	247.0
107 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	150.0
108 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	150.0
109 HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	176.0
110 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2005	165.0
111 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2005	165.0
112 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2005	310.0
113 JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	165.0
114 JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	165.0
115 JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	310.0
116 JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	177.0
117 JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
118 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	186.0
119 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	176.0
120 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	176.0
121 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	186.0
122 LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
123 LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
124 LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	183.0
125 LOST PINES POWER CTG 2		LOSTPL_LOSTPGT2	BASTROP	GAS	SOUTH	2001	183.0
126 LOST PINES POWER STG		LOSTPL_LOSTPST1	BASTROP	GAS	SOUTH	2001	192.0
127 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	218.6
128 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	218.6
129 MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	257.9
130 MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	240.0
131 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	240.0
132 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	240.0
133 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	240.0
134 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	257.0
135 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	257.0
136 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	165.0
137 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	165.0
138 NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	325.0
139 ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	157.9
140 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	151.5
141 ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	154.0
142 ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	152.3
143 ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	212.0
144 ODESSA-ECTOR POWER STG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	212.0
145 PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
146 PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
147 PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	333.6
148 PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
149 PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
150 PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	333.6
151 PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
152 PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
153 PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	333.6
154 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	87.0
155 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	87.0
156 PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	89.0
157 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	176.0
158 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	176.0
159 PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	169.0
160 QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	84.0

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
161	QUAIL RUN ENERGY CTG 2	QALSW_GT2	ECTOR	GAS	WEST	2007	86.0
162	QUAIL RUN ENERGY STG 1	QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
163	QUAIL RUN ENERGY CTG 3	QALSW_GT3	ECTOR	GAS	WEST	2008	81.0
164	QUAIL RUN ENERGY CTG 4	QALSW_GT4	ECTOR	GAS	WEST	2008	81.0
165	QUAIL RUN ENERGY STG 2	QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
166	RIO NOGALES POWER CTG 1	RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	175.0
167	RIO NOGALES POWER CTG 2	RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	175.0
168	RIO NOGALES POWER CTG 3	RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	175.0
169	RIO NOGALES POWER STG 4	RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
170	SAM RAYBURN POWER CTG 7	RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
171	SAM RAYBURN POWER CTG 8	RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
172	SAM RAYBURN POWER CTG 9	RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
173	SAM RAYBURN POWER STG 10	RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
174	SANDHILL ENERGY CENTER CTG 5A	SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	170.0
175	SANDHILL ENERGY CENTER STG 5C	SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	160.0
176	SILAS RAY POWER STG 6	SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	21.0
177	SILAS RAY POWER CTG 9	SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	49.0
178	T H WHARTON POWER CTG 31	THW_THWGT31	HARRIS	GAS	HOUSTON	1972	57.0
179	T H WHARTON POWER CTG 32	THW_THWGT32	HARRIS	GAS	HOUSTON	1972	57.0
180	T H WHARTON POWER CTG 33	THW_THWGT33	HARRIS	GAS	HOUSTON	1972	57.0
181	T H WHARTON POWER CTG 34	THW_THWGT34	HARRIS	GAS	HOUSTON	1972	57.0
182	T H WHARTON POWER STG 3	THW_THWST_3	HARRIS	GAS	HOUSTON	1974	104.0
183	T H WHARTON POWER CTG 41	THW_THWGT41	HARRIS	GAS	HOUSTON	1972	57.0
184	T H WHARTON POWER CTG 42	THW_THWGT42	HARRIS	GAS	HOUSTON	1972	57.0
185	T H WHARTON POWER CTG 43	THW_THWGT43	HARRIS	GAS	HOUSTON	1974	57.0
186	T H WHARTON POWER CTG 44	THW_THWGT44	HARRIS	GAS	HOUSTON	1974	57.0
187	T H WHARTON POWER STG 4	THW_THWST_4	HARRIS	GAS	HOUSTON	1974	104.0
188	TEXAS CITY POWER CTG A	TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	102.4
189	TEXAS CITY POWER CTG B	TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	102.4
190	TEXAS CITY POWER CTG C	TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	102.4
191	TEXAS CITY POWER STG	TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5
192	VICTORIA POWER CTG 6	VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
193	VICTORIA POWER STG 5	VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
194	WICHITA FALLS CTG 1	WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
195	WICHITA FALLS CTG 2	WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
196	WICHITA FALLS CTG 3	WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
197	WICHITA FALLS STG 4	WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	16.0
198	WISE-TRACTEBEL POWER CTG 1	WCPP_CT1	WISE	GAS	NORTH	2004	275.0
199	WISE-TRACTEBEL POWER CTG 2	WCPP_CT2	WISE	GAS	NORTH	2004	275.0
200	WISE-TRACTEBEL POWER STG 1	WCPP_ST1	WISE	GAS	NORTH	2004	290.0
201	WOLF HOLLOW POWER CTG 1	WHCCS_CT1	HOOD	GAS	NORTH	2002	249.0
202	WOLF HOLLOW POWER CTG 2	WHCCS_CT2	HOOD	GAS	NORTH	2002	249.0
203	WOLF HOLLOW POWER STG	WHCCS_STG	HOOD	GAS	NORTH	2002	293.0
204	ATKINS CTG 7	ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	20.0
205	DANSBY CTG 2	DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	48.0
206	DANSBY CTG 3	DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	50.0
207	DECKER CREEK CTG 1	DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	54.0
208	DECKER CREEK CTG 2	DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	54.0
209	DECKER CREEK CTG 3	DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	54.0
210	DECKER CREEK CTG 4	DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	54.0
211	DECORDOVA CTG 1	DCSES_CT10	HOOD	GAS	NORTH	1990	80.0
212	DECORDOVA CTG 2	DCSES_CT20	HOOD	GAS	NORTH	1990	79.0
213	DECORDOVA CTG 3	DCSES_CT30	HOOD	GAS	NORTH	1990	78.0
214	DECORDOVA CTG 4	DCSES_CT40	HOOD	GAS	NORTH	1990	77.0
215	ECTOR COUNTY ENERGY CTG 1	ECEC_G1	ECTOR	GAS	WEST	2015	170.4
216	ECTOR COUNTY ENERGY CTG 2	ECEC_G2	ECTOR	GAS	WEST	2015	170.4
217	EXTEX LAPORTE GEN STN CTG 1	AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	45.0
218	EXTEX LAPORTE GEN STN CTG 2	AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	45.0
219	EXTEX LAPORTE GEN STN CTG 3	AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	45.0
220	EXTEX LAPORTE GEN STN CTG 4	AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	45.0
221	GREENS BAYOU CTG 73	GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	54.0
222	GREENS BAYOU CTG 74	GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	54.0
223	GREENS BAYOU CTG 81	GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	54.0
224	GREENS BAYOU CTG 82	GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	58.0
225	GREENS BAYOU CTG 83	GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	64.0
226	GREENS BAYOU CTG 84	GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	54.0
227	GREENVILLE IC ENGINE PLANT	STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.4
228	GREENVILLE IC ENGINE PLANT	STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.4
229	GREENVILLE IC ENGINE PLANT	STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.4
230	LAREDO CTG 4	LARDVFTN_G4	WEBB	GAS	SOUTH	2008	97.4
231	LAREDO CTG 5	LARDVFTN_G5	WEBB	GAS	SOUTH	2008	94.4
232	LEON CREEK PEAKER CTG 1	LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	45.0
233	LEON CREEK PEAKER CTG 2	LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
234	LEON CREEK PEAKER CTG 3	LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
235	LEON CREEK PEAKER CTG 4	LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
236	MORGAN CREEK CTG 1	MGSES_CT1	MITCHELL	GAS	WEST	1988	81.0
237	MORGAN CREEK CTG 2	MGSES_CT2	MITCHELL	GAS	WEST	1988	81.0
238	MORGAN CREEK CTG 3	MGSES_CT3	MITCHELL	GAS	WEST	1988	81.0
239	MORGAN CREEK CTG 4	MGSES_CT4	MITCHELL	GAS	WEST	1988	81.0

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
240	MORGAN CREEK CTG 5	MGSES_CT5	MITCHELL	GAS	WEST	1988	81.0
241	MORGAN CREEK CTG 6	MGSES_CT6	MITCHELL	GAS	WEST	1988	81.0
242	PEARSALL IC ENGINE PLANT A	PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
243	PEARSALL IC ENGINE PLANT B	PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
244	PEARSALL IC ENGINE PLANT C	PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
245	PEARSALL IC ENGINE PLANT D	PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
246	PERMIAN BASIN CTG 1	PB2SES_CT1	WARD	GAS	WEST	1988	71.0
247	PERMIAN BASIN CTG 2	PB2SES_CT2	WARD	GAS	WEST	1988	71.0
248	PERMIAN BASIN CTG 3	PB2SES_CT3	WARD	GAS	WEST	1988	74.0
249	PERMIAN BASIN CTG 4	PB2SES_CT4	WARD	GAS	WEST	1990	75.0
250	PERMIAN BASIN CTG 5	PB2SES_CT5	WARD	GAS	WEST	1990	75.0
251	R W MILLER CTG 4	MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	115.0
252	R W MILLER CTG 5	MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	115.0
253	RAY OLINGER CTG 4	OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	84.0
254	SAM RAYBURN CTG 1	RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
255	SAM RAYBURN CTG 2	RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
256	SAN JACINTO SES CTG 1	SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	81.0
257	SAN JACINTO SES CTG 2	SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	81.0
258	SANDHILL ENERGY CENTER CTG 1	SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	48.0
259	SANDHILL ENERGY CENTER CTG 2	SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	48.0
260	SANDHILL ENERGY CENTER CTG 3	SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	48.0
261	SANDHILL ENERGY CENTER CTG 4	SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	48.0
262	SANDHILL ENERGY CENTER CTG 6	SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	48.0
263	SANDHILL ENERGY CENTER CTG 7	SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	48.0
264	SILAS RAY CTG 10	SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
265	SKY GLOBAL POWER ONE A	SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
266	SKY GLOBAL POWER ONE B	SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
267	T H WHARTON CTG 51	THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
268	T H WHARTON CTG 52	THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
269	T H WHARTON CTG 53	THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
270	T H WHARTON CTG 54	THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
271	T H WHARTON CTG 55	THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
272	T H WHARTON CTG 56	THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
273	T H WHARTON CTG G1	THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
274	TEXAS GULF SULPHUR	TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	89.0
275	V H BRAUNIG CTG 5	BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
276	V H BRAUNIG CTG 6	BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
277	V H BRAUNIG CTG 7	BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
278	V H BRAUNIG CTG 8	BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
279	W A PARISH CTG 1	WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
280	W A PARISH - PETRA NOVA CTG	PNPL_GT2	FORT BEND	GAS	HOUSTON	2013	88.0
281	WINCHESTER POWER PARK CTG 1	WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	46.0
282	WINCHESTER POWER PARK CTG 2	WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	46.0
283	WINCHESTER POWER PARK CTG 3	WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	46.0
284	WINCHESTER POWER PARK CTG 4	WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	46.0
285	B M DAVIS STG U1	B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
286	CEDAR BAYOU STG U1	CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
287	CEDAR BAYOU STG U2	CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
288	DANSBY STG U1	DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	110.0
289	DECKER CREEK STG U1	DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
290	DECKER CREEK STG U2	DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	428.0
291	GRAHAM STG U1	GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
292	GRAHAM STG U2	GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
293	HANDLEY STG U3	HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
294	HANDLEY STG U4	HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
295	HANDLEY STG U5	HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
296	LAKE HUBBARD STG U1	LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
297	LAKE HUBBARD STG U2	LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
298	MOUNTAIN CREEK STG U6	MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
299	MOUNTAIN CREEK STG U7	MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
300	MOUNTAIN CREEK STG U8	MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
301	O W SOMMERS STG U1	CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
302	O W SOMMERS STG U2	CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
303	PEARSALL STG U1	PEARSALL_PEAR_1	FRIO	GAS	SOUTH	1961	20.0
304	PEARSALL STG U2	PEARSALL_PEAR_2	FRIO	GAS	SOUTH	1961	24.0
305	PEARSALL STG U3	PEARSALL_PEAR_3	FRIO	GAS	SOUTH	1961	22.0
306	POWERLANE PLANT STG U1	STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	20.0
307	POWERLANE PLANT STG U2	STEAM_STEAM_2	HUNT	GAS	NORTH	1967	26.0
308	POWERLANE PLANT STG U3	STEAM_STEAM_3	HUNT	GAS	NORTH	1978	41.0
309	R W MILLER STG U1	MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
310	R W MILLER STG U2	MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
311	R W MILLER STG U3	MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
312	RAY OLINGER STG U1	OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
313	RAY OLINGER STG U2	OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
314	RAY OLINGER STG U3	OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
315	SIM GIDEON STG U1	GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
316	SIM GIDEON STG U2	GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
317	SIM GIDEON STG U3	GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	340.0
318	SPENCER STG U4	SPNCR_SPNCE_4	DENTON	GAS	NORTH	1966	61.0

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
319 SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
320 STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
321 STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
322 TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
323 V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	220.0
324 V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
325 V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
326 W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
327 W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
328 W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	258.0
329 W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	552.0
330 NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHE	BIOMASS	NORTH	2012	105.0
331 BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
332 BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
333 FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
334 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
335 MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
336 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
337 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
338 TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
339 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
340 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
341 VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
342 VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
343 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
344 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
345 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
346 WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
347 WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
348 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2012	-
349 <b>Operational Capacity Total (Nuclear, Coal, Gas, Biomass)</b>							<b>69,259.8</b>
350							
351 <b>Operational Resources (Hydro)</b>							
352 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
353 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
354 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
355 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
356 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
357 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
358 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
359 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
360 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
361 FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
362 FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
363 FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
364 GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
365 GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
366 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
367 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
368 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
369 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
370 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
371 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
372 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
373 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
374 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
375 EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_H MAVERICK		HYDRO	SOUTH	2005	9.6
376 GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
377 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
378 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
379 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
380 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
381 <b>Operational Capacity Total (Hydro)</b>							<b>555.1</b>
382 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					442.1
383							
384 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					(175.0)
385 <b>Operational Capacity Total (Including Hydro)</b>		OPERATION_TOTAL					<b>69,526.9</b>
386							
387 <b>Operational Resources (Switchable)</b>							
388 ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	WEST	2016	56.0
389 ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	WEST	2016	56.0
390 ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	WEST	2016	56.0
391 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	WEST	2016	195.0
392 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	WEST	2016	195.0
393 ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	WEST	2016	195.0
394 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	178.0
395 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	180.0
396 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	307.0
397 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	178.0

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
398 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	180.0
399 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	307.0
400 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
401 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
402 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
403 TENASKA FRONTIER STATION CTG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
404 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
405 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
406 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
407 TENASKA GATEWAY STATION CTG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
408 <b>Switchable Capacity Total</b>							<b>3,931.0</b>
409							
410 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL		GAS			<b>(663.0)</b>
411							
412 Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL		COAL			-
413							
414 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			<b>4,428.0</b>
415 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			<b>(246.0)</b>
416							
417 <b>Operational Resources (Wind)</b>							
418 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
419 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
420 BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
421 BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
422 BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
423 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
424 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
425 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
426 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
427 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
428 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
429 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
430 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
431 CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
432 CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
433 CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
434 CAPRICORN RIDGE WIND 2		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
435 CAPRICORN RIDGE WIND 3		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
436 CAPRICORN RIDGE WIND 4		CAPRIDGE_CR4	COKE	WIND	WEST	2008	112.5
437 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
438 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
439 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
440 DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
441 DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
442 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
443 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
444 ELBOW CREEK WIND		ELB_ELBCREEK	HOWARD	WIND	WEST	2008	118.7
445 FOREST CREEK WIND		MCLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
446 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
447 GOAT WIND 2		GOAT_GOATWIND2	STERLING	WIND	WEST	2010	69.6
448 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
449 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
450 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
451 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
452 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
453 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
454 GREEN PASTURES WIND 2		GPASTURE_WIND_II	BAYLOR	WIND	WEST	2015	150.0
455 GUNSIGHT MOUNTAIN WIND		GUNMTN_G1	HOWARD	WIND	WEST	2016	119.9
456 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
457 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
458 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
459 HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
460 HORSE HOLLOW WIND 2		HHOLLOW2_WND1	TAYLOR	WIND	WEST	2006	158.0
461 HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
462 HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
463 INADALE WIND		INDL_INADALE1	NOLAN	WIND	WEST	2008	196.6
464 INDIAN MESA WIND		INDNNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
465 JAVELINA WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
466 JAVELINA WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
467 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
468 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
469 KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
470 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
471 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
472 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
473 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
474 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
475 LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	103.8
476 LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	106.3



# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)	
477	LONE STAR WIND 1 (MESQUITE)	LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0	
478	LONE STAR WIND 2 (POST OAK) U1	LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0	
479	LONE STAR WIND 2 (POST OAK) U2	LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0	
480	LONGHORN WIND NORTH U1	LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0	
481	LONGHORN WIND NORTH U2	LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0	
482	LORAIN WINDPARK I	LONEWOLF_G1	MITCHELL	WIND	WEST	2009	49.5	
483	LORAIN WINDPARK II	LONEWOLF_G2	MITCHELL	WIND	WEST	2009	51.0	
484	LORAIN WINDPARK III	LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5	
485	LORAIN WINDPARK IV	LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0	
486	LOS VIENTOS III WIND	LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0	
487	LOS VIENTOS V WIND	LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0	
488	MESQUITE CREEK WIND 1	MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6	
489	MESQUITE CREEK WIND 2	MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6	
490	MIAMI WIND G1	MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3	
491	MIAMI WIND G2	MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3	
492	MCADOO WIND	MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0	
493	NOTREES WIND 1	NWF_NWF1	WINKLER	WIND	WEST	2009	92.6	
494	NOTREES WIND 2	NWF_NWF2	WINKLER	WIND	WEST	2009	60.0	
495	OCOTILLO WIND	OWF_OWF	HOWARD	WIND	WEST	2008	58.8	
496	PANHANDLE WIND 1 U1	PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2	
497	PANHANDLE WIND 1 U2	PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2	
498	PANHANDLE WIND 2 U1	PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2	
499	PANHANDLE WIND 2 U2	PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6	
500	PANTHER CREEK WIND 1	PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5	
501	PANTHER CREEK WIND 2	PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5	
502	PANTHER CREEK WIND 3	PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5	
503	PECOS WIND 1 (WOODWARD)	WOODWRD1_WOODWRD	PECOS	WIND	WEST	2001	82.5	
504	PECOS WIND 2 (WOODWARD)	WOODWRD2_WOODWRD	PECOS	WIND	WEST	2001	77.2	
505	PYRON WIND	PYR_PYRON1	SCURRY	WIND	WEST	2008	249.0	
506	RATTLESNAKE DEN WIND PHASE 1 G1	RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3	
507	RATTLESNAKE DEN WIND PHASE 1 G2	RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0	
508	RED CANYON WIND	RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0	
509	ROSCOE WIND	TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	209.0	
510	ROUTE 66 WIND	ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0	
511	SAND BLUFF WIND	MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0	
512	SENDERO WIND ENERGY	EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0	
513	SENATE WIND	SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0	
514	SHANNON WIND	SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1	
515	SHERBINO 1 WIND	KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0	
516	SHERBINO 2 WIND	KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0	
517	SILVER STAR WIND	FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0	
518	SNYDER WIND	ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0	
519	SOUTH PLAINS WIND I	SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0	
520	SOUTH PLAINS WIND 2	SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0	
521	SOUTH PLAINS WIND II A	SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5	
522	SOUTH PLAINS WIND II B	SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8	
523	SOUTH TRENT WIND	STWF_T1	NOLAN	WIND	WEST	2008	98.2	
524	SPINNING SPUR WIND TWO	SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0	
525	SPINNING SPUR 3 [WIND 1]	SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0	
526	SPINNING SPUR 3 [WIND 2]	SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0	
527	STANTON WIND ENERGY	SWEC_G1	MARTIN	WIND	WEST	2008	120.0	
528	STEPHENS RANCH WIND 1	SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2	
529	STEPHENS RANCH WIND 2	SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7	
530	SWEETWATER WIND 1	SWEETWND_WND1	NOLAN	WIND	WEST	2003	36.6	
531	SWEETWATER WIND 2A	SWEETWN2_WND24	NOLAN	WIND	WEST	2006	18.1	
532	SWEETWATER WIND 2B	SWEETWN2_WND2	NOLAN	WIND	WEST	2004	105.0	
533	SWEETWATER WIND 3A	SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	28.5	
534	SWEETWATER WIND 3B	SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	100.5	
535	SWEETWATER WIND 4-5	SWEETWN4_WND5	NOLAN	WIND	WEST	2007	79.2	
536	SWEETWATER WIND 4-4B	SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	103.7	
537	SWEETWATER WIND 4-4A	SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	117.8	
538	TEXAS BIG SPRING WIND a	SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7	
539	TEXAS BIG SPRING WIND b	SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6	
540	TRENT WIND	TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0	
541	TRINITY HILLS WIND 1	TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5	
542	TRINITY HILLS WIND 2	TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5	
543	TURKEY TRACK WIND	TTWEC_G1	NOLAN	WIND	WEST	2008	169.5	
544	WAKE WIND 1	WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9	
545	WAKE WIND 2	WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3	
546	WEST TEXAS WIND	SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3	
547	WHIRLWIND ENERGY	WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0	
548	WHITTAIL WIND	EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	91.0	
549	WINDTHORST 2 WIND	WINDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6	
550	WKN MOZART WIND	MOZART_WIND_1	KENT	WIND	WEST	2012	30.0	
551	WOLF RIDGE WIND	WHHTAIL_WR1	COOKE	WIND	NORTH	2008	112.5	
552	TSTC WEST TEXAS WIND	DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0	
553	WOLF FLATS WIND (WIND MGT)	DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0	
554	<b>Operational Wind Capacity Sub-total (Non-Coastal Counties)</b>							<b>15,102.5</b>
555	Wind Peak Average Capacity Percentage (Non-Coastal)	WIND_PEAK_PCT_NC	%				20.0	

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
556							
557		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
558		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
559		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
560		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
561		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
562		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
563		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
564		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
565		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
566		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
567		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
568		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
569		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
570		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
571		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
572							<b>2,047.4</b>
573		WIND_PEAK_PCT_C	%				35.0
574							
575		WIND_OPERATIONAL					<b>17,149.9</b>
576							
577							
578		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
579		HOVEY_UNIT1	PECOS	SOLAR	WEST	2014	22.0
580		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
581		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
582		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
583		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
584		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
585		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
586		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
587		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
588		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	104.5
589		DG_CECSolar_DG_BECH	BEXAR	SOLAR	SOUTH	2016	1.0
590		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
591		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
592		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
593		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
594		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
595		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
596		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
597							<b>396.4</b>
598		SOLAR_PEAK_PCT	%				5.0
599							
600		RMR_CAP_CONT		GAS		2016	-
601							
602							
603		DC_E	FANNIN		NORTH		600.0
604		DC_N	WILBARGER		WEST		220.0
605		DC_S	MAVERICK		SOUTH		30.0
606		DC_L	WEBB		SOUTH		100.0
607		DC_R	HIDALGO		SOUTH		150.0
608		DC_R2	HIDALGO		SOUTH		150.0
609							<b>1,250.0</b>
610		DCTIE_CAP_CONT		OTHER			246.4
611							
612							
613		17INR0007	WHARTON	GAS	SOUTH	2017	-
614		13INR0023	ECTOR	COAL	WEST	2019	-
615		16INR0010	MITCHELL	GAS	WEST	2019	-
616		16INR0004	CAMERON	GAS	COASTAL	2019	-
617		14INR0038	GALVESTON	GAS	HOUSTON	2016	390.0
618		15INR0023	WHARTON	GAS	SOUTH	2019	-
619		16INR0006	ANGELINA	GAS	NORTH	2017	-
620		14INR0040	HIDALGO	GAS	SOUTH	2016	225.0
621		17INR0009	HOOD	GAS	NORTH	2017	-
622		13INR0049	HARRIS	GAS	HOUSTON	2017	-
623		15INR0013	ANDERSON	STORAGE	NORTH	2018	-
624		16INR0045	HENDERSON	GAS	NORTH	2018	-
625		16INR0044	WHARTON	GAS	SOUTH	2018	-
626		16INR0009	CALHOUN	GAS	COASTAL	2017	-
627							<b>615.0</b>
628							
629							
630		15INR0049	ZAPATA	WIND	SOUTH	2016	-
631		11INR0054	SAN PATRICIO	WIND-C	COASTAL	2017	-
632		14INR0023b	BRISCOE	WIND	PANHANDLE	2017	-
633		13INR0010a	PARMER	WIND	PANHANDLE	2018	-
634		13INR0010b	PARMER	WIND	PANHANDLE	2016	-

# Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
635 MARIAH DEL SUR	13INR0010c		PARMER	WIND	PANHANDLE	2018	-
636 RATTLESNAKE DEN WIND 2	13INR0020b		GLASSCOCK	WIND	WEST	2018	-
637 PATRIOT WIND (PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2017	-
638 COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	2018	-
639 PAMPA WIND	12INR0018		GRAY	WIND	PANHANDLE	2018	-
640 GRANDVIEW WIND 3 (CONWAY)	13INR0005c		CARSON	WIND	PANHANDLE	2016	-
641 SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2017	-
642 PULLMAN ROAD WIND	15INR0079		RANDALL	WIND	PANHANDLE	2018	-
643 PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2016	-
644 SALT FORK WIND	14INR0062		GRAY	WIND	PANHANDLE	2016	174.0
645 LOS VIENTOS IV WIND	15INR0037		STARR	WIND	SOUTH	2016	200.0
646 PALO DURO WIND	15INR0050		DEAF SMITH	WIND	PANHANDLE	2018	-
647 CAPROCK WIND	10INR0009		CASTRO	WIND	PANHANDLE	2017	-
648 SAN ROMAN WIND	14INR0013		CAMERON	WIND-C	COASTAL	2016	95.2
649 TORRECILLAS WIND A	14INR0045a		WEBB	WIND	SOUTH	2017	-
650 TORRECILLAS WIND B	14INR0045b		WEBB	WIND	SOUTH	2017	-
651 CHANGING WINDS	13INR0045		CASTRO	WIND	PANHANDLE	2017	-
652 ELECTRA WIND	16INR0062a		WILBARGER	WIND	WEST	2016	230.0
653 LOCKETT WIND FARM	16INR0062b		WILBARGER	WIND	WEST	2017	-
654 HORSE CREEK WIND	14INR0060		HASKELL	WIND	WEST	2016	230.0
655 WILLOW SPRINGS WIND	14INR0060b		HASKELL	WIND	WEST	2017	-
656 MUENSTER WIND	15INR0085		COOKE	WIND	NORTH	2016	-
657 FALVEZ ASTRA W	15INR0074		DEAF SMITH	WIND	PANHANDLE	2017	-
658 CHAPMAN RANCH WIND I	16INR0055		NUECES	WIND-C	COASTAL	2017	-
659 HIDALGO & STARR WIND	16INR0024		HIDALGO	WIND	SOUTH	2016	-
660 BLANCO CANYON WIND (COTTON PLAINS)	16INR0037		FLOYD	WIND	PANHANDLE	2016	-
661 BLANCO CANYON WIND (OLD SETTLER)	16INR0037b		FLOYD	WIND	PANHANDLE	2017	-
662 PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2019	-
663 ROCK SPRINGS VAL VERDE WIND	11INR0082a		VAL VERDE	WIND	WEST	2017	-
664 MAGIC VALLEY WIND II (REDFISH 2A and 2B)	14INR0041a		WILLACY	WIND-C	COASTAL	2017	-
665 SALT FORK WIND 2	16INR0082		CARSON	WIND	PANHANDLE	2017	-
666 SANTA RITA WIND	16INR0091		REAGAN	WIND	WEST	2017	-
667 SWISHER WIND	13INR0038		SWISHER	WIND	PANHANDLE	2017	-
668 BUCKTHORN WIND 1	14INR0057		ERATH	WIND	NORTH	2017	-
669 FLUVANNA RENEWABLE 1	13INR0056		SCURRY	WIND	WEST	2017	-
670 RTS WIND	16INR0087		MCCULLOCH	WIND	SOUTH	2016	-
671 SILVER CANYON WIND A	12INR0002a		BRISCOE	WIND	PANHANDLE	2017	-
672 LOGAN'S GAP WIND II	15INR0082		COMANCHE	WIND	NORTH	2017	-
673 CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2017	-
674 SALT FORK WIND EXPANSION	16INR0121		CARSON	WIND	PANHANDLE	2017	-
675 CHOCOLATE BAYOU	16INR0074		BRAZORIA	WIND-C	COASTAL	2018	-
676 GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2018	-
677 DERMOTT WIND 1	17INR0027		SCURRY	WIND	WEST	2017	-
678 COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2018	-
679 BEARKAT WIND A	15INR0064		GLASSCOCK	WIND	WEST	2017	-
680 <b>Planned Capacity Total (Wind)</b>							<b>929.2</b>
681							
682 Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					834.0
683 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				20.0
684							
685 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					95.2
686 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				35.0
687							
688 <b>Planned Solar Resources with Executed SGIA</b>							
689 FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2016	7.4
690 FS BARILLA SOLAR 2	12INR0059c		PECOS	SOLAR	WEST	2017	-
691 RE ROSEROCK SOLAR	16INR0048		PECOS	SOLAR	WEST	2016	160.0
692 OCI ALAMO 6 (WEST TEXAS)	15INR0070_1		PECOS	SOLAR	WEST	2017	-
693 OCI ALAMO 6 (WEST TEXAS PHASE II)	15INR0070_1b		PECOS	SOLAR	WEST	2017	-
694 SE BUCKTHORN WESTEX SOLAR (RIGGINS SOLAR)	15INR0045		PECOS	SOLAR	WEST	2017	-
695 FS EAST PECOS SOLAR	16INR0073		PECOS	SOLAR	WEST	2016	120.0
696 LC NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2017	-
697 PECOS SOLAR POWER I	15INR0059		PECOS	SOLAR	WEST	2019	-
698 BNB LAMESA SOLAR	16INR0023		DAWSON	SOLAR	WEST	2017	-
699 BNB LAMESA SOLAR B	16INR0023b		DAWSON	SOLAR	WEST	2018	-
700 CAPRICORN RIDGE SOLAR	16INR0019		COKE	SOLAR	WEST	2017	-
701 UPCO POWER 1 (SP-TX-12)	16INR0065		UPTON	SOLAR	WEST	2017	-
702 CASTLE GAP SOLAR 2	16INR0065a		UPTON	SOLAR	WEST	2017	-
703 SP-TX-12-PHASE B	16INR0065b		UPTON	SOLAR	WEST	2017	-
704 SOLAIREHOLMAN 1	15INR0061		BREWSTER	SOLAR	WEST	2017	-
705 RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2018	-
706 RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2019	-
707 RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2020	-
708 RE MAPLEWOOD 2D SOLAR	17INR0020d		PECOS	SOLAR	WEST	2020	-
709 UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2018	-
710 <b>Planned Capacity Total (Solar)</b>							<b>287.4</b>
711 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				5.0
712							
713 <b>RMR Resources</b>							

## Unit Capacities - Winter

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	ZONE	START YEAR	CAPACITY (MW)
714 GREENS BAYOU STG U5		GBY_GBY_5	HARRIS	GAS	HOUSTON	2016	371.0
715 <b>Total RMR Capacity</b>							<b>371.0</b>
716							
717 <b>Mothballed Resources</b>							
718 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1918	430.0
719 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1918	420.0
720 LUFKIN BIOMASS (AS OF 7/6/2016)		LFBIO_UNIT1	ANGELINA	BIOMASS	NORTH	2012	45.0
721 S R BERTRON CTG 2 (SINCE 5/15/2013)		SRB_SRBGT_2	HARRIS	GAS	HOUSTON	1967	13.0
722 S R BERTRON U1 (SINCE 5/15/2013)		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	118.0
723 S R BERTRON U2 (SINCE 5/15/2013)		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	174.0
724 S R BERTRON U3 (SINCE 5/22/2013)		SRB_SRB_G3	HARRIS	GAS	HOUSTON	1959	211.0
725 S R BERTRON U4 (SINCE 5/22/2013)		SRB_SRB_G4	HARRIS	GAS	HOUSTON	1960	211.0
726 <b>Total Mothballed Capacity</b>							<b>1,622.0</b>
727							
728 <b>Retiring Resources Unavailable to ERCOT (since last CDR)</b>							
729 FRONTERA GENERATION CTG 1 (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTG1_F HIDALGO		GAS	SOUTH	2016	170.0
730 FRONTERA GENERATION CTG 2 (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTG2_F HIDALGO		GAS	SOUTH	2016	170.0
731 FRONTERA GENERATION STG (Not Available for ERCOT after 10/1/2016)		FRONTERA_FRONTG3_F HIDALGO		GAS	SOUTH	2016	184.0
732 <b>Total Retired Capacity</b>							<b>524.0</b>

## 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.