

PRELIMINARY
Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)
Summer 2018

SUMMARY

ERCOT is predicting record-breaking peak usage this summer season (June – September 2018). The strong Texas economy continues to drive demand in the ERCOT Region, and the anticipated peak demand is expected to be more than 1,600 MW higher than the all-time peak demand record of 71,110 MW set in August 2016.

This anticipated record demand, combined with recent plant retirements and delays in some planned resources, is expected to result in tight reserves that could trigger the need for ERCOT to deploy such resources as Ancillary Services and contracted Emergency Response Service capacity to maintain sufficient operating reserve levels. ERCOT may also request that Transmission and/or Distribution Service Providers (TDSPs) implement load control measures established through Standard Offer contracts with their customers. Based on the December 2017 Capacity, Demand and Reserves Report, there is approximately 2,300 MW of such additional capacity available to ERCOT for addressing reserve deficiency situations. ERCOT also anticipates further voluntary load reductions and an increase in power sold in the market by industrial facilities in response to higher power prices during peak demand.

This preliminary report includes a 72,974 MW summer peak load forecast based on normal weather for years 2002-2016 and an adjustment reflecting additional load from the Freeport Liquefied Natural Gas project that is currently under construction*. For this SARA report, the forecast was lowered by 218 MW due to a recently announced delay in the operations date for the first production unit of the LNG project. The total resource capacity available for the upcoming summer is 77,658 MW.

Planned capacity additions expected to be in service before the start of the summer season include 130 MW of gas-fired generation (based on summer ratings), 660 MW of wind with a summer peak capacity contribution of 92 MW, and 387 MW of solar with a summer peak capacity contribution of 291 MW.

The resource adequacy scenarios for this report include a unit outage forecast of 4,349 MW based on average seasonal historical outages for the last three summer seasons. ERCOT also includes a scenario combining the peak load forecast with an extremely low wind output of 798 MW.

*Details on the load forecast methodology:

http://www.ercot.com/content/wcm/lists/143010/2018_Long-Term_Hourly_Peak_Demand_and_Energy_Forecast_Final.pdf

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Summer 2018 - Preliminary
Release Date: March 1, 2018

Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	65,694	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,516	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
Less Switchable Capacity Unavailable to ERCOT, MW	-844	Based on survey responses of Switchable Resource owners
Available Mothball Resources, MW	118	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	3,341	Average capability of the top 20 hours in the summer peak seasons for the past three years (2015-2017)
Non-Coastal Wind Resources Capacity Contribution, MW	2,557	Based on 14% of installed capacity for non-coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	1,546	Based on 59% 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	829	Based on 75% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
RMR Resources to be under Contract, MW	0	
Non-Synchronous Ties Capacity Contribution, MW	389	Average capability of the top 20 hours in the summer peak seasons for the past three years (2015-2017)
Planned Thermal Resources with Signed IA, Air Permits and Adeq. Water Supplies, MW	130	Based on in-service dates provided by developers
Planned Non-Coastal Wind with signed IA , MW	92	Based on in-service dates provided by developers and 14% of installed capacity for non-coastal wind resources
Planned Coastal Wind with signed IA , MW	0	Based on in-service dates provided by developers and 59% of installed capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	291	Based on 75% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
[a] Total Resources, MW	77,658	
Peak Demand, MW	72,974	Based on average weather peak conditions from 2002 – 2016
Less Freeport LNG facility load decrease	-218	Reported delay in the commercial operations date for the Freeport Liquefied Natural Gas facility expansion project
[b] Adjusted Peak Demand, MW	72,756	
[c] Reserve Capacity [a - b], MW	4,902	

Range of Potential Risks

	Forecasted Season Peak Load / Typical Generation Outages	Forecasted Season Peak Load / Extreme Generation Outages	Forecasted Season Peak Load / Extreme Low Wind Output	Extreme Season Peak Load / Typical Generation Outages	
Seasonal Load Adjustment	-	-	-	3,202	Based on extreme weather conditions using 2011's weather; the extreme winter forecast is 76,176 MW
Typical Maintenance Outages	455	455	455	455	Based on historical average of planned outages for June through September weekdays (starting in February 2012)
Typical Forced Outages, Thermal	3,894	3,894	3,894	3,894	Based on historical average of forced outages for June through September weekdays (starting in February 2012)
90th Percentile Forced Outages, Thermal	-	2,566	-	-	Based on historical forced outages assuming a 90% confidence interval
Low Wind Output Adjustment	-	-	3,397	-	Based on the 10th percentile of wind output associated with the 100 highest Net Load hours (Load minus wind output) for the 2013-2016 summer Peak Load seasons; this wind output level is 798 MW
[d] Total Uses of Reserve Capacity	4,349	6,915	7,746	7,551	
[e] Capacity Available for Operating Reserves, Normal Operating Conditions (c-d), MW	553	(2,013)	(2,844)	(2,649)	See the Background tab for additional details
Less than 2,300 MW indicates risk of EEA1					

Unit Capacities - Summer

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
Operational Resources (Thermal)							
4 COMANCHE PEAK U1		CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	1990	1,205.0
5 COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,195.0
6 SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,280.0
7 SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,280.0
8 COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	655.0
9 FAYETTE POWER U1		FPPYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	604.0
10 FAYETTE POWER U2		FPPYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	599.0
11 FAYETTE POWER U3		FPPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	437.0
12 GIBBONS CREEK U1		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
13 J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1992	560.0
14 J K SPRUCE U2		CALAVERS_JKS2	BEXAR	COAL	SOUTH	2010	785.0
15 J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1977	420.0
16 J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1978	420.0
17 LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	824.0
18 LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	836.0
19 MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	800.0
20 MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	805.0
21 MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	805.0
22 OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	840.0
23 OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	825.0
24 OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
25 SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
26 SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	940.0
27 TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	155.0
28 TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	155.0
29 W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	664.0
30 W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	663.0
31 W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
32 W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
33 ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	157.0
34 ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	157.0
35 ARTHUR VON ROSENBERG 1 CTG 3		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	164.0
36 BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	157.0
37 BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	157.0
38 BARNEY M DAVIS REPOWER CTG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	319.0
39 BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	150.0
40 BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	150.0
41 BASTROP ENERGY CENTER CTG 3		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	233.0
42 BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	148.9
43 BOSQUE ENERGY CENTER CTG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	81.4
44 BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	148.9
45 BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	150.2
46 BOSQUE ENERGY CENTER CTG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	214.9
47 BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	166.0
48 BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	166.0
49 BRAZOS VALLEY CTG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
50 CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	75.0
51 CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	75.0
52 CALENERGY-FALCON SEABOARD CTG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	70.0
53 CALHOUN (PORT COMFORT) 1		CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	44.0
54 CALHOUN (PORT COMFORT) 2		CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	44.0
55 CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	163.0
56 CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	163.0
57 CEDAR BAYOU 4 CTG 3		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	178.0
58 COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	70.0
59 COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	62.0
60 COLORADO BEND ENERGY CENTER CTG 3		CBEC_STG1	WHARTON	GAS	SOUTH	2007	101.0
61 COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT3	WHARTON	GAS	SOUTH	2008	69.0
62 COLORADO BEND ENERGY CENTER CTG 5		CBEC_GT4	WHARTON	GAS	SOUTH	2008	63.0
63 COLORADO BEND ENERGY CENTER CTG 6		CBEC_STG2	WHARTON	GAS	SOUTH	2008	103.0
64 COLORADO BEND II CT7		CBECII_CT7	WHARTON	GAS	SOUTH	2017	325.0
65 COLORADO BEND II CT8		CBECII_CT8	WHARTON	GAS	SOUTH	2017	325.0
66 COLORADO BEND II CT9		CBECII_CT9	WHARTON	GAS	SOUTH	2017	440.0
67 CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	169.0
68 CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	165.0
69 CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	165.0
70 CVC CHANNELVIEW CTG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	144.0
71 DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	181.0
72 DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	193.0
73 DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	181.0
74 DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	193.0
75 DEER PARK ENERGY CENTER CTG 5		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
76 DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	165.0
77 ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	196.0
78 ENNIS POWER STATION CTG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	116.0
79 FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	169.0
80 FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	169.0
81 FERGUSON REPLACEMENT CTG 3		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	182.0
82 FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	169.0
83 FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	161.0
84 FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	161.0
85 FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	169.0
86 FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	161.0
87 FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	161.0
88 FORNEY ENERGY CENTER CTG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	420.0
89 FORNEY ENERGY CENTER CTG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	420.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
90 FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	151.6
91 FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	151.6
92 FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	176.2
93 FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	151.7
94 FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	151.7
95 FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	174.5
96 GREGORY POWER PARTNERS GT1		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	145.0
97 GREGORY POWER PARTNERS GT2		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	145.0
98 GREGORY POWER PARTNERS STG		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
99 GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	148.0
100 GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	148.0
101 GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	148.0
102 GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	148.0
103 GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	197.0
104 GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	197.0
105 HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	250.0
106 HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	250.0
107 HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	255.0
108 HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	255.0
109 HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	143.0
110 HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	143.0
111 HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	172.0
112 JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	155.0
113 JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	155.0
114 JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	295.0
115 JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
116 JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
117 JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	295.0
118 JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
119 JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
120 LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	163.0
121 LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	153.0
122 LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	153.0
123 LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	163.0
124 LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
125 LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
126 LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	170.0
127 LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	170.0
128 LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	188.0
129 MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	208.6
130 MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	208.6
131 MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	253.0
132 MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	235.0
133 MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	235.0
134 MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	235.0
135 MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	235.0
136 MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	252.0
137 MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	252.0
138 NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	157.0
139 NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	157.0
140 NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	319.0
141 ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	149.0
142 ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	143.0
143 ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	145.3
144 ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	143.7
145 ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	204.9
146 ODESSA-ECTOR POWER STG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	204.9
147 PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	196.0
148 PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	195.0
149 PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	326.0
150 PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	195.0
151 PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	195.0
152 PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	312.0
153 PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	191.2
154 PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	191.2
155 PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	334.7
156 PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	76.0
157 PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	76.0
158 PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
159 PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	164.0
160 PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	164.0
161 PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	167.0
162 QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	74.0
163 QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	74.0
164 QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
165 QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	72.0
166 QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	72.0
167 QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
168 RIO NOGALES POWER CTG 1		RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	154.0
169 RIO NOGALES POWER CTG 2		RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	154.0
170 RIO NOGALES POWER CTG 3		RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	154.0
171 RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
172 SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
173 SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	50.0
174 SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
175 SAM RAYBURN POWER CTG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
176 SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	150.0
177 SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	145.0
178 SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
179 SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	38.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
180 T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	54.0
181 T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	54.0
182 T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	54.0
183 T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	54.0
184 T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	110.0
185 T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	54.0
186 T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	54.0
187 T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	54.0
188 T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	54.0
189 T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	110.0
190 TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	96.6
191 TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	96.6
192 TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	96.6
193 TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.6
194 VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	160.0
195 VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	125.0
196 WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
197 WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
198 WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
199 WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
200 WISE-TRACTEBEL POWER CTG 1		WCPP_CT1	WISE	GAS	NORTH	2004	240.0
201 WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	240.0
202 WISE-TRACTEBEL POWER STG 1		WCPP_ST1	WISE	GAS	NORTH	2004	260.0
203 WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	212.5
204 WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	212.5
205 WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	280.0
206 WOLF HOLLOW 2 CT5		WHCCS2_CT4	HOOD	GAS	NORTH	2017	314.1
207 WOLF HOLLOW 2 CT6		WHCCS2_CT5	HOOD	GAS	NORTH	2017	317.9
208 WOLF HOLLOW 2 STG6		WHCCS2_STG6	HOOD	GAS	NORTH	2017	432.0
209 ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	18.0
210 CASTLEMAN CHAMON 1		CHAMON_CTG_0101	HARRIS	GAS	HOUSTON	2017	44.0
211 CASTLEMAN CHAMON 2		CHAMON_CTG_0301	HARRIS	GAS	HOUSTON	2017	44.0
212 DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	45.0
213 DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	47.0
214 DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	48.0
215 DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	48.0
216 DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	48.0
217 DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	48.0
218 DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	71.0
219 DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	70.0
220 DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	69.0
221 DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	68.0
222 ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	147.0
223 ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	147.0
224 ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	190.0
225 EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	38.0
226 EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	38.0
227 EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	38.0
228 EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	38.0
229 GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	56.0
230 GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	56.0
231 GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	56.0
232 GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
233 GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	56.0
234 GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	56.0
235 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
236 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
237 GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
238 LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	90.1
239 LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	87.3
240 LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
241 LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
242 LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
243 LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
244 MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	68.0
245 MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	68.0
246 MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	68.0
247 MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	68.0
248 MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	68.0
249 MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	67.0
250 PEARSALE IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIIO	GAS	SOUTH	2012	50.6
251 PEARSALE IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIIO	GAS	SOUTH	2012	50.6
252 PEARSALE IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIIO	GAS	SOUTH	2012	50.6
253 PEARSALE IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIIO	GAS	SOUTH	2012	50.6
254 PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	68.0
255 PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	65.0
256 PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	68.0
257 PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	69.0
258 PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	70.0
259 REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
260 REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
261 REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
262 REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
263 R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	100.0
264 R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	100.0
265 RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
266 SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	11.0
267 SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	11.0
268 SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	80.0
269 SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	80.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
270 SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
271 SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
272 SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
273 SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
274 SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
275 SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
276 SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
277 SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
278 SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
279 T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	56.0
280 T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	56.0
281 T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	56.0
282 T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	56.0
283 T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	56.0
284 T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	56.0
285 T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
286 TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	79.0
287 V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
288 V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
289 V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
290 V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
291 W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
292 WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
293 WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
294 WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
295 WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
296 CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
297 CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
298 DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	107.0
299 DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	315.0
300 DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	420.0
301 GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
302 GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
303 HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
304 HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
305 HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
306 LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
307 LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
308 MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
309 MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
310 MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
311 O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
312 O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
313 POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	20.0
314 POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	24.0
315 POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	41.0
316 R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	70.0
317 R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	118.0
318 R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
319 RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
320 RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
321 RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
322 SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
323 SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
324 SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
325 STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
326 STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
327 TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
328 V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
329 V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
330 V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
331 W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
332 W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
333 W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	240.0
334 W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	527.0
335 NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
336 BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
337 BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
338 FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
339 GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
340 MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
341 NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
342 SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
343 TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
344 VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
345 VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
346 VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
347 VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
348 WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
349 WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
350 WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
351 WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
352 WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
353 BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	-
354 INADALE ESS		INDL_ESS	NOLAN	STORAGE	WEST	2018	-
355 NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2012	-
356 PYRON ESS		PYR_ESS	SCURRY	STORAGE	WEST	2018	-
357 OCI ALAMO 1		DG_OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	-
358 TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	OTHER	WEST	2017	-
359 FARMERS BRANCH LANDFILL GAS TO ENERGY		DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
360 Operational Capacity Total (Nuclear, Coal, Gas, Biomass)							65,591.8
361							
362 Operational Resources (Hydro)							
363 AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
364 AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
365 AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
366 AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
367 BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
368 BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
369 BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
370 DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
371 DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
372 FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
373 FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
374 FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
375 GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
376 GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
377 INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
378 MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
379 MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
380 MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
381 MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
382 MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
383 WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
384 WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
385 ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
386 EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
387 GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
388 GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
389 GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
390 GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
391 LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
392 Operational Capacity Total (Hydro)							555.1
393 Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					466.9
394							
395 Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					(365.0)
396 Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					65,693.7
397							
398 Operational Resources (Switchable)							
399 ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	54.6
400 ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	54.6
401 ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	54.6
402 ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	190.0
403 ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	190.0
404 TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	153.0
405 TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	155.0
406 TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	315.0
407 TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	153.0
408 TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	155.0
409 TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	315.0
410 TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	160.0
411 TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	160.0
412 TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	160.0
413 TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
414 TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	156.0
415 TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	135.0
416 TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	153.0
417 TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	402.0
418 Switchable Capacity Total							3,515.8
419							
420 Switchable Capacity Unavailable to ERCOT							
421 ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
422 ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
423 ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
424 ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
425 ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
426 TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	FANNIN	GAS	NORTH	2016	(300.0)
427 Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					(843.8)
428							
429 Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL		COAL			118.0
430							
431 Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,108.4
432 Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			232.3
433							
434 Operational Resources (Wind)							
435 ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
436 BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
437 BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
438 BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
439 BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
440 BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
441 BUCKTHORN WIND 1 A		BUCKTHRN_UNIT1	ERATH	WIND	NORTH	2017	44.9
442 BUCKTHORN WIND 1 B		BUCKTHRN_UNIT2	ERATH	WIND	NORTH	2017	55.7
443 BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
444 BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
445 BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
446 BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
447 BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
448 BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
449 CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
450 CAMP SPRINGS WIND 1		CSEC_CSEC01	SCURRY	WIND	WEST	2007	130.5
451 CAMP SPRINGS WIND 2		CSEC_CSEC02	SCURRY	WIND	WEST	2007	120.0
452 CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
453 CAPRICORN RIDGE WIND 2		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
454 CAPRICORN RIDGE WIND 3		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
455 CAPRICORN RIDGE WIND 4		CAPRIDG4_CR4	COKE	WIND	WEST	2008	112.5
456 CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
457 CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
458 CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
459 COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD COUNTY	WIND	PANHANDLE	2017	50.4
460 DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
461 DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5
462 DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	89.7
463 DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	80.5
464 DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
465 DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
466 ELBOW CREEK WIND		ELB_ELBECREEK	HOWARD	WIND	WEST	2008	118.7
467 ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2017	98.9
468 ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2017	131.1
469 FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
470 FLUVANNA RENEWABLE 1 A		FLUVANNA_UNIT1	SCURRY	WIND	WEST	2017	79.8
471 FLUVANNA RENEWABLE 1 B		FLUVANNA_UNIT2	SCURRY	WIND	WEST	2017	75.6
472 FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
473 GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
474 GOAT WIND 2		GOAT_GOATWIND2	STERLING	WIND	WEST	2010	69.6
475 GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
476 GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
477 GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
478 GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
479 GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
480 GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
481 VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND	WEST	2015	150.0
482 GUNSIGHT MOUNTAIN WIND		GUNMTN_G1	HOWARD	WIND	WEST	2016	119.9
483 HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
484 HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
485 HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
486 HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
487 HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
488 HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
489 HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
490 HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
491 HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
492 HORSE HOLLOW WIND 2		HHOLLOW2_WND1	TAYLOR	WIND	WEST	2006	158.0
493 HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
494 HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
495 INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0
496 INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
497 INDIAN MESA WIND		INDNNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
498 JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
499 JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
500 JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
501 JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
502 JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
503 JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
504 JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
505 KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
506 KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
507 KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
508 KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
509 KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
510 LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
511 LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	103.8
512 LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	106.3
513 LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
514 LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
515 LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
516 LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
517 LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
518 LORAIN WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2010	49.5
519 LORAIN WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2010	51.0
520 LORAIN WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
521 LORAIN WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
522 LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
523 LOS VIENTOS IV WIND		LV4_UNIT_1	STARR	WIND	SOUTH	2016	200.0
524 LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
525 MARIAH DEL NORTE 1		MARIAH_NORTE1	PARMER	WIND	PANHANDLE	2017	115.2
526 MARIAH DEL NORTE 2		MARIAH_NORTE2	PARMER	WIND	PANHANDLE	2017	115.2
527 MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
528 MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
529 MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
530 MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
531 MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
532 NIELS BOHR WIND A (BEARKAT WIND A)		NBOHR_UNIT1	GLASSCOCK	WIND	WEST	2018	197.0
533 NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
534 NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
535 OCOTILLO WIND		OWF_OWFF	HOWARD	WIND	WEST	2008	58.8
536 OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD COUNTY	WIND	PANHANDLE	2017	151.2
537 PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
538 PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
539 PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
540 PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
541 PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
542 PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
543 PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
544 PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	82.5
545 PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	77.2
546 PYRON WIND 1		PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
547 PYRON WIND 2		PYR_PYRON2	SCURRY AND FISI	WIND	WEST	2008	127.5
548 RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
549 RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
550 RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
551 ROCK SPRINGS VAL VERDE WIND (FERMI) 1		FERMI_WIND1	VAL VERDE	WIND	WEST	2017	121.9
552 ROCK SPRINGS VAL VERDE WIND (FERMI) 2		FERMI_WIND2	VAL VERDE	WIND	WEST	2017	27.4
553 ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	114.0
554 ROSCOE WIND 2A		TKWSW1_ROSCOE2A	NOLAN	WIND	WEST	2008	95.0
555 ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
556 SALT FORK 1 WIND 1		SALTFORK_UNIT1	DONLEY	WIND	PANHANDLE	2017	64.0
557 SALT FORK 1 WIND 2		SALTFORK_UNIT2	DONLEY	WIND	PANHANDLE	2017	110.0
558 SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
559 SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
560 SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
561 SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
562 SHERBINO 1 WIND		KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
563 SHERBINO 2 WIND		KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0
564 SILVER STAR WIND		FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
565 SNYDER WIND		ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
566 SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
567 SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
568 SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
569 SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
570 SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
571 SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
572 SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
573 SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
574 STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
575 STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
576 STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
577 SWEETWATER WIND 1		SWEETWND_WND1	NOLAN	WIND	WEST	2003	42.5
578 SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	17.0
579 SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	98.8
580 SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	34.0
581 SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	117.0
582 SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	85.0
583 SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	112.0
584 SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	125.0
585 TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
586 TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
587 TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
588 TRINITY HILLS WIND 1		TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
589 TRINITY HILLS WIND 2		TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
590 TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
591 TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
592 WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
593 WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
594 WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
595 WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
596 WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	92.3
597 WINDTHORST 2 WIND		WINDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
598 WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
599 WILLOW SPRINGS WIND A		SALVTION_UNIT1	HASKELL	WIND	WEST	2017	125.0
600 WILLOW SPRINGS WIND B		SALVTION_UNIT2	HASKELL	WIND	WEST	2017	125.0
601 WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
602 TSTC WEST TEXAS WIND		DG_ROSC2_UNIT1	NOLAN	WIND	WEST	2008	2.0
603 WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
604 Operational Wind Capacity Sub-total (Non-Coastal Counties)							18,265.9
605 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				14.0
606							
607 BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
608 BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
609 BRUENNING'S BREEZE		BBREEZE_UNIT1	WILLACY	WIND-C	COASTAL	2017	120.0
610 BRUENNING'S BREEZE		BBREEZE_UNIT2	WILLACY	WIND-C	COASTAL	2017	108.0
611 CAMERON COUNTY WIND		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
612 CHAPMAN RANCH WIND IA (SANTA CRUZ)		SANTACRU_UNIT1	NUECES	WIND-C	COASTAL	2017	150.6
613 CHAPMAN RANCH WIND IB (SANTA CRUZ)		SANTACRU_UNIT2	NUECES	WIND-C	COASTAL	2017	98.4
614 GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
615 GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
616 LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
617 LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
618 MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
619 MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
620 PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
621 PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
622 PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
623 PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
624 PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
625 SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
626 HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
627 Operational Wind Capacity Sub-total (Coastal Counties)							2,619.6
628 Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				59.0
629							

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
630 Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					20,885.5
631							
632 Operational Resources (Solar)							
633 ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
634 BNB LAMESA SOLAR (PHASE I)		LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
635 FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
636 FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2014	22.0
637 OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
638 OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
639 OCI ALAMO 5 (DOWNIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
640 OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
641 SP-TX-12-PHASE B		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
642 WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
643 BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
644 BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
645 OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
646 OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
647 OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	106.4
648 RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
649 RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
650 BHE SOLAR PEARL PROJECT (SIRIUS 2)		SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
651 BECK 1		DG_CECSSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
652 FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
653 HM SEALY SOLAR 1		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
654 RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
655 SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
656 SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
657 SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
658 SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
659 WALNUT SPRINGS		DG_WLNTSPRG_1UNIT	BOSQUE	SOLAR	NORTH	2016	10.0
660 Operational Capacity Total (Solar)							1,105.4
661 Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				75.0
662							
663 Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT		GAS			-
664							
665 Non-Synchronous Tie Resources							
666 EAST TIE		DC_E	FANNIN		NORTH		600.0
667 NORTH TIE		DC_N	WILBARGER		WEST		220.0
668 EAGLE PASS TIE		DC_S	MAVERICK		SOUTH		30.0
669 LAREDO VFT TIE		DC_L	WEBB		SOUTH		100.0
670 SHARYLAND RAILROAD TIE		DC_R	HIDALGO		SOUTH		150.0
671 SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO		SOUTH		150.0
672 Non-Synchronous Ties Total							1,250.0
673 Non-Synchronous Ties Capacity Contribution (Top 20 Hours)		DCIE_CAP_CONT		OTHER			389.0
674							
675 Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies							
676 DENTON ENERGY CENTER	18INR0013		DENTON	GAS	NORTH	2018	-
677 FGE TEXAS I PROJECT	16INR0010		MITCHELL	GAS	WEST	2019	-
678 PHR PEAKERS [BAC_CTG1-6]	14INR0038		GALVESTON	GAS	HOUSTON	2018	-
679 INDECK WHARTON ENERGY CENTER	15INR0023		WHARTON	GAS	SOUTH	2019	-
680 PINECREST ENERGY CENTER PROJECT	16INR0006		ANGELINA	GAS	NORTH	2020	-
681 FRIENDSWOOD G	13INR0049		HARRIS	GAS	HOUSTON	2018	119.0
682 BETHEL CAES PROJECT	15INR0013		ANDERSON	GAS	NORTH	2020	-
683 HALYARD HENDERSON	16INR0045		HENDERSON	GAS	NORTH	2020	-
684 HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2019	-
685 MIRAGE	17INR0022		HARRIS	GAS	HOUSTON	2018	11.0
686 BRAZORIA ENERGY G	16INR0076		BRAZORIA	GAS	COASTAL	2018	-
687 Planned Capacity Total (Coal, Gas & Storage)							130.0
688							
689 Planned Wind Resources with Executed SGIA							
690 MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2019	-
691 MARIAH DEL ESTE	13INR0010a		PARMER	WIND	PANHANDLE	2018	-
692 MARIAH DEL SUR	13INR0010c		PARMER	WIND	PANHANDLE	2018	-
693 PATRIOT WIND (PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2019	-
694 COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	2019	-
695 GRANDVIEW WIND 3 (CONWAY)	13INR0005c		CARSON	WIND	PANHANDLE	2019	-
696 SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2019	-
697 PULLMAN ROAD WIND	15INR0079		RANDALL	WIND	PANHANDLE	2019	-
698 PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2020	-
699 UNITY WIND	15INR0050		DEAF SMITH	WIND	PANHANDLE	2019	-
700 TORRECILLAS WIND A	14INR0045a		WEBB	WIND	SOUTH	2018	-
701 TORRECILLAS WIND B	14INR0045b		WEBB	WIND	SOUTH	2018	-
702 LOCKETT WIND FARM	16INR0062b		WILBARGER	WIND	WEST	2019	-
703 PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2019	-
704 SANTA RITA WIND	16INR0091		REAGAN	WIND	WEST	2018	300.0
705 SWISHER WIND	13INR0038		SWISHER	WIND	PANHANDLE	2019	-
706 RTS WIND	16INR0087		MCCULLOCH	WIND	SOUTH	2018	160.0
707 SILVER CANYON WIND A	12INR0002a		BRISCOE	WIND	PANHANDLE	2019	-
708 FLAT TOP WIND I	15INR0082		COMANCHE	WIND	NORTH	2018	200.0
709 CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2019	-
710 SALT FORK WIND EXPANSION	16INR0121		CARSON	WIND	PANHANDLE	2018	-
711 CHOCOLATE BAYOU	16INR0074		BRAZORIA	WIND-C	COASTAL	2019	-
712 GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2018	-
713 COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2019	-
714 BEARKAT WIND B	15INR0064b		GLASSCOCK	WIND	WEST	2018	-
715 INFINITY LIVE OAK WIND	12INR0060		SCHLEICHER	WIND	WEST	2019	-
716 CACTUS FLATS WIND	16INR0086		CONCHO	WIND	WEST	2018	-
717 STAKED PLAINS WIND 1	18INR0025		LYNN	WIND	WEST	2018	-
718 STELLA 1 WIND	15INR0035		KENEDY	WIND-C	COASTAL	2018	-
719 RIO BRAVO I WIND	17INR0005		STARR	WIND	SOUTH	2018	-

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
720 EDMONDSON RANCH WIND	18INR0043		GLASSCOCK	WIND	WEST	2019	-
721 HEART OF TEXAS WIND	18INR0016		MCCULLOCH	WIND	SOUTH	2018	-
722 KARANKAWA WIND ALT A	18INR0014		SAN PATRICIO	WIND-C	COASTAL	2019	-
723 PALMAS ALTAS WIND	17INR0037		CAMERON	WIND-C	COASTAL	2019	-
724 LITTLE MOUNTAIN WIND	12INR0055		BAYLOR	WIND	WEST	2019	-
725 LOMA PINTA WIND	16INR0112		LA SALLE	WIND	SOUTH	2018	-
726 SAGE DRAW WIND	19INR0163		LYNN	WIND	WEST	2019	-
727 GOPHER CREEK WIND	18INR0067		SCURRY	WIND	WEST	2018	-
728 Planned Capacity Total (Wind)							660.0
729							
730 Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					660.0
731 Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				14.0
732							
733 Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					-
734 Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				59.0
735							
736 Planned Solar Resources with Executed SGIA							
737 FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2018	7.4
738 SE BUCKTHORN WESTEX SOLAR (RIGGINS : 15INR0045	15INR0045		PECOS	SOLAR	WEST	2018	150.0
739 NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2019	-
740 PECOS SOLAR POWER I	15INR0059		PECOS	SOLAR	WEST	2019	-
741 LAMESA SOLAR (PHASE II)	16INR0023b		DAWSON	SOLAR	WEST	2018	-
742 CAPRICORN RIDGE SOLAR	16INR0019		COKE	SOLAR	WEST	2018	-
743 CASTLE GAP SOLAR	16INR0065		UPTON	SOLAR	WEST	2018	180.0
744 SOLAIREHOLMAN 1	15INR0061		BREWSTER	SOLAR	WEST	2018	50.0
745 RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2018	-
746 RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2019	-
747 RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2019	-
748 RE MAPLEWOOD 2D SOLAR	17INR0020d		PECOS	SOLAR	WEST	2020	-
749 RE MAPLEWOOD 2E SOLAR	17INR0020e		PECOS	SOLAR	WEST	2020	-
750 UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2018	-
751 WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2019	-
752 PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2019	-
753 WAYMARK SOLAR	16INR0115		PECOS	SOLAR	WEST	2018	-
754 Planned Capacity Total (Solar)							387.4
755 Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				75.0
756							
757 Seasonal Mothballed Resources							
758 N/A							
759 Total Seasonal Mothballed Capacity							-
760							
761 Mothballed Resources							
762 SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
763 SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
764 B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	300.0
765 J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	420.0
766 J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
767 S R BERTRON U1 (SINCE 5/15/2013)		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	112.0
768 S R BERTRON U2 (SINCE 5/15/2013)		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	168.0
769 Total Mothballed Capacity							1,538.0
770							
771 Retiring Resources Unavailable to ERCOT (since last CDR/SARA)							
772 BIG BROWN U1		BBSES_UNIT1	FREESTONE	COAL	NORTH	1971	606.0
773 BIG BROWN U2		BBSES_UNIT2	FREESTONE	COAL	NORTH	1972	602.0
774 Total Retiring Capacity							1,208.0

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 probabilistic reliability standard.

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

The SARA report focuses on the availability of sufficient operating reserves to avoid emergency actions such as deployment of voluntary load reduction resources. It uses an operating reserve threshold of 2,300 MW to indicate the risk that an Energy Emergency Alert Level 1 (EEA1) may be triggered during the time of the forecasted seasonal peak load. This threshold level is intended to be roughly analogous to the 2,300 MW Physical Responsive Capability (PRC) threshold for EEA1. However, PRC is a real-time capability measure for Resources that can quickly respond to system disturbances. In contrast, the SARA operating reserve reflects additional capability assumed to be available before energy emergency procedures are initiated, such as from Resources qualified to provide non-spinning reserves. Additionally, the amount of operating reserves available may increase relative to what is included in the SARA report due to the market responding to wholesale market price increases and anticipated capacity scarcity conditions. Given these considerations, ERCOT believes that the 2,300 MW reserve capacity threshold is a reasonable indicator for the risk of Energy Emergency Alerts given the uncertainties in predicting system conditions months in advance.

The SARA report is intended to illustrate the range of resource adequacy outcomes that might occur. It serves as a situational awareness tool for ERCOT operational planning purposes, and helps fulfill the "extreme weather" resource adequacy assessment requirement per Public Utility Commission of Texas rule 25.362(i)(2)(H). In addition to a base scenario, several other scenarios are developed by varying the value of load forecast and resource availability parameters. The variation in these parameters is based on historic ranges of the parameter values or known changes expected in the near-term. The SARA report is not intended to indicate the likelihood of any of these scenario outcomes.