Release Date: November 7, 2019

PRELIMINARY
Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)
Spring 2020

SUMMARY

The ERCOT Region is expected to have sufficient installed generating capacity to serve forecasted peak demands in the upcoming spring season (March - May 2020).

This preliminary SARA report reflects a spring 2020 peak forecast of 64,233 MW based on current expectations for average weather.

An additional 6,212 MW of new planned nameplate capacity is expected to be available at the start of the spring season. Of that, 2,903 MW are expected to be available during spring peak load hours, with wind contributing 1,930 MW, gas-fired units contributing 218 MW, and solar contributing 755 MW.

The report also includes a forecast of 11,238 MW of unit outages based on historical outage data from the past three spring seasons (starting with 2017), and assumes the high likelihood that the spring peak demand will occur in May.

While a significant amount of unit maintenance is conducted during the spring season, much of this maintenance is completed prior to the onset of hotter temperatures/higher electricity demand in late May.

The extreme scenario in this report assumes an extreme April peak demand coinciding with average April generation outages occurring during the peak hours of each weekday.

Seasonal Assessment of Resource Adequacy for the ERCOT Region
Spring 2020 - Preliminary
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Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	66,411	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,691	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
Less Switchable Capacity Unavailable to ERCOT, MW	(868)	Based on survey responses of Switchable Generation Resource owners
Available Mothball Resources, MW	0	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Private Use Network Capacity Contribution, MW	3,018	Average grid injection during the top 20 winter peak load hours over the last three years, plus the forecasted net change in generation capacity available to the ERCOT grid pursuant to Nodal Protocol Section 10.3.2.4.
Non-Coastal Wind Resources Capacity Contribution, MW	6,215	Based on 32% of installed capacity for non-coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	2,029	Based on 68% of installed capacity for coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	1,235	Based on 66% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
Storage, Peak Average Capacity Contribution, MW	0	Based on 0% of rated capacity; resources assumed to provide regulation reserves rather than sustained capacity available to meet peak loads
RMR Resources to be under Contract, MW	0	
Capacity Pending Retirement	0	Announced retired capacity that is undergoing ERCOT grid reliability reviews pursuant to Nodal Protocol Section 3.14.1.2
Non-Synchronous Ties, Capacity Contribution, MW	838	Based on import flows during most recent Energy Emergency Alert (EEA) intervals for the winter season. (Used as a proxy for the spring season due to lack of EEA intervals.)
Planned Thermal Resources with Signed IA, Air Permits and Adeq. Water Supplies, MW	218	Based on in-service dates provided by developers
Planned Non-Coastal Wind with signed IA , MW	1,216	Based on in-service dates provided by developers and 32% of installed capacity for non-coastal wind resources
Planned Coastal Wind with signed IA , MW	714	Based on in-service dates provided by developers and 68% of installed capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	755	Based on in-service dates provided by developers and 66% of installed capacity for solar resources
Planned Storage, Peak Average Capacity Contribution, MW	0	Based on in-service dates provided by developers and a capacity contribution of 0% for storage resources
[a] Total Resources, MW	85,471	
[b] Peak Demand, MW	64,233	May peak forecast is based on average weather conditions at time of peak from 2003 – 2017
[c] Reserve Capacity [a - b], MW	21,238	

Range of Potential Risks

	Forecasted Season Peak Load (May)	Forecasted April Peak Load and Typical Generation Outages During Peak Maintenance Season (March-April)	Extreme April Peak Load and Typical Generation Outages During Peak Maintenance Season (March-April)	
Seasonal Load Adjustment	--	(7,868)	(3,072)	April peak forecast is 56,365 MW, and the extreme peak forecast is 61,161 MW; adjustments reflect April peak forecast for average and 90th percentile weather conditions, respectively
Typical May Maintenance Outages, Thermal	6,064	6,064	6,064	Based on historical average of planned maintenance outages for May weekdays (starting in 2017)
Typical May Forced Outages, Thermal	5,174	5,174	5,174	Based on historical average of forced outages for May weekdays (starting in 2017)
Incremental Unit Outages to Reflect April Peak Maintenance Season, Thermal	--	8,785	8,785	Incremental outages based on historical average of forced and planned maintenance outages for April weekdays, hours ending 3 pm - 8 pm (starting in 2017)
[d] Total Uses of Reserve Capacity	11,238	12,155	16,951	
[e] Capacity Available for Operating Reserves, Normal Operating Conditions (c-d), MW	10,000	9,083	4,287	See the Background tab for additional details

Unit Capacities - Spring

	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	1,227.0
5	COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,214.0
6	SOUTH TEXAS U1	20INR0287	STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,310.0
7	SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,310.0
8	COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	655.0
9	FAYETTE POWER U1		FPPYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	608.0
10	FAYETTE POWER U2		FPPYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	608.0
11	FAYETTE POWER U3		FPPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	448.0
12	J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1992	560.0
13	J K SPRUCE U2		CALAVERS_JKS2	BEXAR	COAL	SOUTH	2010	785.0
14	LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	824.0
15	LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	836.0
16	MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	815.0
17	MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	820.0
18	MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	820.0
19	OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	855.0
20	OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	855.0
21	OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
22	SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
23	SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	945.0
24	TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	155.0
25	TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	155.0
26	W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	664.0
27	W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	663.0
28	W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
29	W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
30	ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	164.0
31	ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	164.0
32	ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	190.0
33	BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	161.0
34	BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	161.0
35	BARNEY M DAVIS REPOWER STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	322.0
36	BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	157.0
37	BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	157.0
38	BASTROP ENERGY CENTER STG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	236.0
39	BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	161.8
40	BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	83.6
41	BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	161.8
42	BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	160.6
43	BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	222.4
44	BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	169.0
45	BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	169.0
46	BRAZOS VALLEY STG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
47	CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	77.0
48	CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	77.0
49	CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	71.0
50	CALHOUN (PORT COMFORT) 1		CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	46.7
51	CALHOUN (PORT COMFORT) 2		CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	46.7
52	CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	168.0
53	CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	168.0
54	CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	182.0
55	COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	74.0
56	COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	67.0
57	COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	100.0
58	COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	73.0
59	COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	68.0
60	COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	105.0
61	COLORADO BEND II CT7		CBECII_CT7	WHARTON	GAS	SOUTH	2017	335.0
62	COLORADO BEND II CT8		CBECII_CT8	WHARTON	GAS	SOUTH	2017	338.3
63	COLORADO BEND II ST8		CBECII_STG9	WHARTON	GAS	SOUTH	2017	485.0
64	CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	181.0
65	CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	178.0
66	CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	178.0
67	CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	144.0
68	DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	190.0
69	DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	202.0
70	DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	190.0
71	DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	202.0
72	DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
73	DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	174.0
74	ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	209.0
75	ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	116.0
76	FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	176.0
77	FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	176.0
78	FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	189.0
79	FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	167.0
80	FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	159.0
81	FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	159.0
82	FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	167.0
83	FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	159.0
84	FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	159.0
85	FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	408.0
86	FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	408.0
87	FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	156.2
88	FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	156.2
89	FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	178.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
90	FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	156.5
91	FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	156.5
92	FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	177.1
93	GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	158.0
94	GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	158.0
95	GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	158.0
96	GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	158.0
97	GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	200.0
98	GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	200.0
99	HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	213.0
100	HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	214.0
101	HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	213.0
102	HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	216.0
103	HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	143.0
104	HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	143.0
105	HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	172.0
106	JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	150.0
107	JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	150.0
108	JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	285.0
109	JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
110	JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
111	JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	285.0
112	JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
113	JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
114	LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	161.0
115	LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	153.0
116	LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	153.0
117	LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	161.0
118	LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
119	LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
120	LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	183.0
121	LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	175.0
122	LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	192.0
123	MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	213.6
124	MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	213.6
125	MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	255.5
126	MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	232.0
127	MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	230.0
128	MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	229.0
129	MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	232.0
130	MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	244.0
131	MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	246.0
132	NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	161.0
133	NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	161.0
134	NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	322.0
135	ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	164.6
136	ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	156.1
137	ODESSA-ECTOR POWER CTG 21	20INR0282	OECCS_CT21	ECTOR	GAS	WEST	2001	152.4
138	ODESSA-ECTOR POWER CTG 22	20INR0282	OECCS_CT22	ECTOR	GAS	WEST	2001	150.7
139	ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	206.4
140	ODESSA-ECTOR POWER STG 2	20INR0282	OECCS_UNIT2	ECTOR	GAS	WEST	2001	207.2
141	PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	218.5
142	PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	218.5
143	PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	353.1
144	PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	218.5
145	PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	218.5
146	PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	353.1
147	PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	218.5
148	PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	218.5
149	PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	353.1
150	PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	86.0
151	PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	86.0
152	PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
153	PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	170.0
154	PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	170.0
155	PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	168.0
156	QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	80.0
157	QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	80.0
158	QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
159	QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	80.0
160	QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	80.0
161	QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
162	RIO NOGALES POWER CTG 1	19INR0205	RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	176.0
163	RIO NOGALES POWER CTG 2	20INR0272	RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	160.0
164	RIO NOGALES POWER CTG 3	21INR0328	RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	160.0
165	RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
166	SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
167	SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	51.0
168	SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
169	SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
170	SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	151.0
171	SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	148.0
172	SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
173	SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	40.0
174	T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	56.0
175	T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	56.0
176	T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	56.0
177	T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	56.0
178	T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	109.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
179	T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	56.0
180	T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	56.0
181	T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	56.0
182	T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	56.0
183	T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	109.0
184	TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	100.6
185	TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	100.6
186	TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	100.6
187	TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.5
188	VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	171.0
189	VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	132.0
190	WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
191	WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
192	WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
193	WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
194	WISE-TRACTEBEL POWER CTG 1	20INR0286	WCPP_CT1	WISE	GAS	NORTH	2004	211.0
195	WISE-TRACTEBEL POWER CTG 2	20INR0286	WCPP_CT2	WISE	GAS	NORTH	2004	206.0
196	WISE-TRACTEBEL POWER STG 1	20INR0286	WCPP_ST1	WISE	GAS	NORTH	2004	273.0
197	WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	227.0
198	WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	227.0
199	WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	286.0
200	WOLF HOLLOW 2 CT4		WHCCS2_CT4	HOOD	GAS	NORTH	2017	330.6
201	WOLF HOLLOW 2 CT5		WHCCS2_CT5	HOOD	GAS	NORTH	2017	331.1
202	WOLF HOLLOW 2 STG6		WHCCS2_STG6	HOOD	GAS	NORTH	2017	468.9
203	ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	19.0
204	CASTLEMAN CHAMON 1		CHAMON_CTG_0101	HARRIS	GAS	HOUSTON	2017	46.7
205	CASTLEMAN CHAMON 2		CHAMON_CTG_0301	HARRIS	GAS	HOUSTON	2017	46.7
206	DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	46.5
207	DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	48.5
208	DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	50.0
209	DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	50.0
210	DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	50.0
211	DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	50.0
212	DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	71.0
213	DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	70.0
214	DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	70.0
215	DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	71.0
216	ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	153.6
217	ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	153.6
218	ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	195.0
219	EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	36.0
220	EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	36.0
221	EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	36.0
222	EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	36.0
223	FRIENDSWOOD G		FEGC_UNIT1	HARRIS	GAS	HOUSTON	2018	119.0
224	GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	57.0
225	GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	57.0
226	GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	57.0
227	GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
228	GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	57.0
229	GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	57.0
230	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
231	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
232	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
233	LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	92.9
234	LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	90.1
235	LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
236	LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
237	LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	46.0
238	LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
239	MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	67.0
240	MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	66.0
241	MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	66.0
242	MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	67.0
243	MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	68.0
244	MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	68.0
245	DENTON ENERGY CENTER A		DEC_AGR_A	DENTON	GAS	NORTH	2018	56.5
246	DENTON ENERGY CENTER B		DEC_AGR_B	DENTON	GAS	NORTH	2018	56.5
247	DENTON ENERGY CENTER C		DEC_AGR_C	DENTON	GAS	NORTH	2018	56.5
248	DENTON ENERGY CENTER D		DEC_AGR_D	DENTON	GAS	NORTH	2018	56.5
249	PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
250	PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
251	PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
252	PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
253	PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	64.0
254	PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	64.0
255	PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	64.0
256	PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	64.0
257	PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	65.0
258	PHR PEAKERS (BAC) CTG 1		BAC_CTG1	GALVESTON	GAS	HOUSTON	2018	61.0
259	PHR PEAKERS (BAC) CTG 2		BAC_CTG2	GALVESTON	GAS	HOUSTON	2018	62.0
260	PHR PEAKERS (BAC) CTG 3		BAC_CTG3	GALVESTON	GAS	HOUSTON	2018	52.0
261	PHR PEAKERS (BAC) CTG 4		BAC_CTG4	GALVESTON	GAS	HOUSTON	2018	56.0
262	PHR PEAKERS (BAC) CTG 5		BAC_CTG5	GALVESTON	GAS	HOUSTON	2018	56.0
263	PHR PEAKERS (BAC) CTG 6		BAC_CTG6	GALVESTON	GAS	HOUSTON	2018	54.0
264	REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
265	REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
266	REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
267	REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
268	R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	104.0
269	R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	104.0
270	RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
271	SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	13.5
272	SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	13.5
273	SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	81.0
274	SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	81.0
275	SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
276	SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
277	SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
278	SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
279	SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
280	SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
281	SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
282	SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
283	SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
284	T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	57.0
285	T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	57.0
286	T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	57.0
287	T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	57.0
288	T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	57.0
289	T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	57.0
290	T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
291	TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	70.0
292	VICTORIA PORT (VICTPORT) CTG 1		VICTPORT_CTG01	VICTORIA	GAS	SOUTH	2019	46.7
293	VICTORIA PORT (VICTPORT) CTG 2		VICTPORT_CTG02	VICTORIA	GAS	SOUTH	2019	46.7
294	V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
295	V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
296	V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
297	V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
298	W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
299	WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
300	WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
301	WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
302	WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
303	B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	330.0
304	CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
305	CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
306	DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	108.5
307	DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	320.0
308	DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	428.0
309	GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
310	GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
311	HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
312	HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
313	HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
314	LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
315	LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
316	MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
317	MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
318	MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
319	O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
320	O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
321	POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	17.5
322	POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	23.5
323	POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	39.5
324	R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	75.0
325	R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	120.0
326	R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
327	RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
328	RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
329	RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
330	SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
331	SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	133.0
332	SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
333	STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
334	STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
335	TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
336	V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
337	V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
338	V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
339	W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
340	W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
341	W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	246.0
342	W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	536.0
343	NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
344	BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
345	BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
346	GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
347	NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
348	SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
349	WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
350	WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
351	WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
352	WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
353	WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
354	FARMERS BRANCH LANDFILL GAS TO ENERGY		DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2
355	**Operational Capacity Total (Nuclear, Coal, Gas, Biomass)**							**65,962.5**
356								

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
357	**Operational Resources (Hydro)**							
358	AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
359	AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
360	AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
361	AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
362	BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
363	BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
364	BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
365	DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
366	DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
367	EAGLE PASS HYDRO		EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
368	FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
369	FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
370	FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
371	GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
372	GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
373	GUADALUPE BLANCO RIVER AUTH-CANYON		CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
374	INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
375	MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
376	MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
377	MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
378	MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
379	MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
380	WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	22.0
381	WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	22.0
382	ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
383	CITY OF GONZALES HYDRO		DG_GONZ_HYDRO_GONZ_H	GONZALES	HYDRO	SOUTH	1986	1.5
384	GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
385	GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
386	GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
387	LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
388	**Operational Capacity Total (Hydro)**							**552.6**
389	Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					448.3
390								
391	Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					-
392	Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					66,410.8
393								
394	**Operational Resources (Switchable)**							
395	ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	56.0
396	ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	56.0
397	ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	56.0
398	ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	195.0
399	ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	195.0
400	TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	162.0
401	TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	158.0
402	TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	322.0
403	TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	159.0
404	TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	161.0
405	TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	323.0
406	TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	180.0
407	TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	180.0
408	TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	180.0
409	TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
410	TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	162.0
411	TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	179.0
412	TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	178.0
413	TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	389.0
414	**Switchable Capacity Total**							**3,691.0**
415								
416	**Switchable Capacity Unavailable to ERCOT**							
417	ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56)
418	ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56)
419	ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	(56)
420	ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(200)
421	ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(200)
422	TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	GRIMES	GAS	NORTH	2016	(300)
423	Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					**(868)**
424								
425	Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL					-
426								
427	Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,027.0
428	Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			(9.0)
429								
430	**Operational Resources (Wind)**							
431	ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
432	BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
433	BLUE SUMMIT WIND 1 A		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
434	BLUE SUMMIT WIND 1 B		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
435	BOBCAT BLUFF WIND	18INR0078	BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	162.0
436	BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
437	BUCKTHORN WIND 1 A		BUCKTHRN_UNIT1	ERATH	WIND	NORTH	2017	44.9
438	BUCKTHORN WIND 1 B		BUCKTHRN_UNIT2	ERATH	WIND	NORTH	2017	55.7
439	BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
440	BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
441	BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
442	BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
443	BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
444	BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
445	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)
446	CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
447	CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
448	CAPRICORN RIDGE WIND 1	17INR0054	CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
449	CAPRICORN RIDGE WIND 2	17INR0054	CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
450	CAPRICORN RIDGE WIND 3	17INR0054	CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
451	CAPRICORN RIDGE WIND 4	17INR0054	CAPRIDG4_CR4	COKE	WIND	WEST	2008	112.5
452	CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
453	CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
454	CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
455	COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD	WIND	PANHANDLE	2017	50.4
456	DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
457	DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5
458	DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
459	DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
460	DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
461	DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
462	ELBOW CREEK WIND		ELB_ELBCREEK	HOWARD	WIND	WEST	2008	118.7
463	ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2017	98.9
464	ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2017	131.1
465	FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
466	FLAT TOP WIND I		FTWIND_UNIT_1	MILLS	WIND	NORTH	2018	200.0
467	FLUVANNA RENEWABLE 1 A		FLUVANNA_UNIT1	SCURRY	WIND	WEST	2017	79.8
468	FLUVANNA RENEWABLE 1 B		FLUVANNA_UNIT2	SCURRY	WIND	WEST	2017	75.6
469	FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
470	GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
471	GOAT WIND 2		GOAT_GOATWIN2	STERLING	WIND	WEST	2010	69.6
472	GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
473	GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
474	GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
475	GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
476	GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
477	GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
478	VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND	WEST	2015	150.0
479	GUNSIGHT MOUNTAIN WIND		GUNMTN_G1	HOWARD	WIND	WEST	2016	119.9
480	HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
481	HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
482	HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
483	HICKMAN (SANTA RITA WIND) 1		HICKMAN_G1	REGAN AND IRION	WIND	WEST	2018	152.5
484	HICKMAN (SANTA RITA WIND) 2		HICKMAN_G2	REGAN AND IRION	WIND	WEST	2018	147.5
485	HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
486	HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
487	HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
488	HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
489	HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
490	HORSE HOLLOW WIND 1	17INR0052	H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
491	HORSE HOLLOW WIND 2	17INR0052	HHOLLOW2_WIND1	TAYLOR	WIND	WEST	2006	184.0
492	HORSE HOLLOW WIND 3	17INR0052	HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
493	HORSE HOLLOW WIND 4	17INR0052	HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
494	INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0
495	INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
496	INDIAN MESA WIND		INDNNWP_INDNNWP2	PECOS	WIND	WEST	2001	91.9
497	JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
498	JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
499	JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
500	JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
501	JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
502	JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
503	JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
504	KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
505	KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.7
506	KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.7
507	KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.5
508	KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.7
509	LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
510	LOCKETT WIND FARM		LOCKETT_UNIT1	WILBARGER	WIND	WEST	2019	183.7
511	LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	106.3
512	LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	103.8
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	LORAINE WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2010	49.5
519	LORAINE WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2010	51.0
520	LORAINE WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
521	LORAINE 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	196.6
533	NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
534	NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
535	OCOTILLO WIND		OWF_OWF	HOWARD	WIND	WEST	2008	58.8
536	OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD	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
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	91.9
545	PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	86.0
546	PYRON WIND 1		PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
547	PYRON WIND 2		PYR_PYRON2	SCURRY AND FISHER	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	89.6
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	RTS WIND		RTS_U1	MCCULLOCH	WIND	SOUTH	2018	160.0
557	SALT FORK 1 WIND 1		SALTFORK_UNIT1	DONLEY	WIND	PANHANDLE	2017	64.0
558	SALT FORK 1 WIND 2		SALTFORK_UNIT2	DONLEY	WIND	PANHANDLE	2017	110.0
559	SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
560	SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
561	SEYMOUR HILLS WIND (S_HILLS WIND)		S_HILLS_UNIT1	BAYLOR	WIND	WEST	2019	30.2
562	SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
563	SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
564	SHERBINO 1 WIND	19INR0120	KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
565	SHERBINO 2 WIND	19INR0120	KEO_SHRBINO2	PECOS	WIND	WEST	2011	132.0
566	SILVER STAR WIND		FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
567	SNYDER WIND	20INR0257	ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
568	SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
569	SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
570	SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
571	SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
572	SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
573	SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
574	SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
575	SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
576	STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
577	STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
578	STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
579	SWEETWATER WIND 1		SWEETWND_WND1	NOLAN	WIND	WEST	2003	42.5
580	SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	16.8
581	SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	110.8
582	SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	34.0
583	SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	117.0
584	SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	85.0
585	SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	112.0
586	SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	125.0
587	TAHOKA WIND 1		TAHOKA_UNIT_1	LYNN	WIND	WEST	2019	150.0
588	TAHOKA WIND 2		TAHOKA_UNIT_2	LYNN	WIND	WEST	2019	150.0
589	TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
590	TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
591	TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
592	TRINITY HILLS WIND 1	20INR0019	TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
593	TRINITY HILLS WIND 2	20INR0019	TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
594	TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
595	TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
596	WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
597	WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
598	WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
599	WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	92.3
600	WINDTHORST 2 WIND		WNDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
601	WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
602	WILLOW SPRINGS WIND A		SALVTION_UNIT1	HASKELL	WIND	WEST	2017	125.0
603	WILLOW SPRINGS WIND B		SALVTION_UNIT2	HASKELL	WIND	WEST	2017	125.0
604	WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
605	TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
606	WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
607	**Operational Wind Capacity Sub-total (Non-Coastal Counties)**							**19,420.8**
608	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				32.0
609								
610	BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
611	BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
612	BRUENNING'S BREEZE A		BBREEZE_UNIT1	WILLACY	WIND-C	COASTAL	2017	120.0
613	BRUENNING'S BREEZE B		BBREEZE_UNIT2	WILLACY	WIND-C	COASTAL	2017	108.0
614	CAMERON COUNTY WIND		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
615	CHAPMAN RANCH WIND IA (SANTA CRUZ)		SANTACRU_UNIT1	NUECES	WIND-C	COASTAL	2017	150.6
616	CHAPMAN RANCH WIND IB (SANTA CRUZ)		SANTACRU_UNIT2	NUECES	WIND-C	COASTAL	2017	98.4
617	GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
618	GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
619	LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
620	LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
621	MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
622	MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
623	MIDWAY WIND		MIDWIND_UNIT1	SAN PATRICIO	WIND-C	COASTAL	2019	162.8

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
624	PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
625	PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
626	PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
627	PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
628	PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
629	SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
630	STELLA WIND		STELLA_UNIT1	KENEDY	WIND-C	COASTAL	2018	201.0
631	HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
632	**Operational Wind Capacity Sub-total (Coastal Counties)**							**2,983.4**
633	Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				68.0
634								
635	Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					22,404.2
636								
637	**Operational Resources (Solar)**							
638	ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
639	BHE SOLAR PEARL PROJECT (SIRIUS 2)		SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
640	BNB LAMESA SOLAR (PHASE I)		LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
641	BNB LAMESA SOLAR (PHASE II)		LMESASLR_IVORY	DAWSON	SOLAR	WEST	2018	50.0
642	CASTLE GAP SOLAR		CASL_GAP_UNIT1	UPTON	SOLAR	WEST	2018	180.0
643	FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2015	22.0
644	FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
645	OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
646	OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
647	OCI ALAMO 5 (DOWNIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
648	OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
649	OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	112.0
650	RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
651	RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
652	RIGGINS (SE BUCKTHORN WESTEX SOLAR)		RIGGINS_UNIT1	PECOS	SOLAR	WEST	2018	150.0
653	SOLAIREHOLMAN 1		LASSO_UNIT1	BREWSTER	SOLAR	WEST	2018	50.0
654	SP-TX-12-PHASE B		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
655	WAYMARK SOLAR		WAYMARK_UNIT1	UPTON	SOLAR	WEST	2018	182.0
656	WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
657	BECK 1		DG_CECSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
658	BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
659	BLUE WING 2 SOLAR		DG_ELMEN_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
660	BOVINE SOLAR LLC		DG_BOVINE_BOVINE	AUSTIN	SOLAR	SOUTH	2018	5.0
661	BOVINE SOLAR LLC		DG_BOVINE2_BOVINE2	AUSTIN	SOLAR	SOUTH	2018	5.0
662	BRONSON SOLAR I		DG_BRNSN_BRNSN	FORT BEND	SOLAR	HOUSTON	2018	5.0
663	BRONSON SOLAR II		DG_BRNSN2_BRNSN2	FORT BEND	SOLAR	HOUSTON	2018	5.0
664	CASCADE SOLAR I		DG_CASCADE_CASCADE	WHARTON	SOLAR	SOUTH	2018	5.0
665	CASCADE SOLAR II		DG_CASCADE2_CASCADE2	WHARTON	SOLAR	SOUTH	2018	5.0
666	CHISUM SOLAR		DG_CHISUM_CHISUM	LAMAR	SOLAR	NORTH	2018	10.0
667	COMMERCE_SOLAR		DG_ X443PV1_SWRI_PV1	BEXAR	SOLAR	SOUTH	2019	5.0
668	EDDY SOLAR II		DG_EDDYII_EDDYII	MCLENNAN	SOLAR	NORTH	2018	10.0
669	FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
670	GRIFFIN SOLAR		DG_GRIFFIN_GRIFFIN	MCLEENNAN	SOLAR	NORTH	2019	5.0
671	HIGHWAY 56		DG_HWY56_HWY56	GRAYSON	SOLAR	NORTH	2017	5.3
672	HM SEALY SOLAR 1		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
673	LEON		DG_LEON_LEON	HUNT	SOLAR	NORTH	2017	10.0
674	MARLIN		DG_MARLIN_MARLIN	FALLS	SOLAR	NORTH	2017	5.3
675	MARS SOLAR (DG)		DG_MARS_MARS	WEBB	SOLAR	SOUTH	2019	10.0
676	NORTH GAINESVILLE		DG_NGNSVL_NGAINESV	COOKE	SOLAR	NORTH	2017	5.2
677	OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
678	OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
679	POWERFIN KINGSBERY		DG_PFK_PFKPV	TRAVIS	SOLAR	SOUTH	2017	2.6
680	RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
681	STERLING		DG_STRLING_STRLING	HUNT	SOLAR	NORTH	2018	10.0
682	SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
683	SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
684	SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
685	SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
686	WALNUT SPRINGS		DG_WLNTSPRG_1UNIT	BOSQUE	SOLAR	NORTH	2016	10.0
687	WEST MOORE II		DG_WMOOREII_WMOOREII	GRAYSON	SOLAR	NORTH	2018	5.0
688	WHITESBORO		DG_WBORO_WHTSBORO	GRAYSON	SOLAR	NORTH	2017	5.0
689	WHITESBORO II		DG_WBOROII_WHBOROII	GRAYSON	SOLAR	NORTH	2017	5.0
690	WHITEWRIGHT		DG_WHTRT_WHTRGHT	FANNIN	SOLAR	NORTH	2017	10.0
691	WHITNEY SOLAR		DG_WHITNEY_SOLAR1	BOSQUE	SOLAR	NORTH	2017	10.0
692	YELLOW JACKET SOLAR		DG_YLWJACKET_YLWJACKE	BOSQUE	SOLAR	NORTH	2018	5.0
693	**Operational Capacity Total (Solar)**							**1,871.4**
694	Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				66.0
695								
696	**Operational Resources (Storage)**							
697	BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	30.0
698	CASTLE GAP BATTERY		CASL_GAP_BATTERY1	UPTON	STORAGE	WEST	2019	9.9
699	INADALE ESS		INDL_ESS	NOLAN	STORAGE	WEST	2018	9.9
700	KINGSBERY ENERGY STORAGE SYSTEM		DG_KB_ESS_KB_ESS	TRAVIS	STORAGE	SOUTH	2017	1.5
701	MU ENERGY STORAGE SYSTEM		DG_MU_ESS_MU_ESS	TRAVIS	STORAGE	SOUTH	2018	1.5
702	NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2013	33.7
703	OCI ALAMO 1		OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	1.0
704	PYRON ESS		PYR_ESS	SCURRY	STORAGE	WEST	2018	9.9
705	TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	STORAGE	WEST	2017	2.0
706	YOUNICOS FACILITY		YOUNICOS_YINC1_1	TRAVIS	STORAGE	SOUTH	2015	2.0
707	**Operational Capacity Total (Storage)**							**101.4**
708	Storage Peak Average Capacity Percentage		STORAGE_PEAK_PCT	%				-
709								
710	Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT		GAS			-
711								
712	Capacity Pending Retirement		PENDRETIRE_CAP					-

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
713								
714	**Non-Synchronous Tie Resources**							
715	EAST TIE		DC_E	FANNIN	OTHER	NORTH		600.0
716	NORTH TIE		DC_N	WILBARGER	OTHER	WEST		220.0
717	EAGLE PASS TIE		DC_S	MAVERICK	OTHER	SOUTH		30.0
718	LAREDO VFT TIE		DC_L	WEBB	OTHER	SOUTH		100.0
719	SHARYLAND RAILROAD TIE		DC_R	HIDALGO	OTHER	SOUTH		150.0
720	SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO	OTHER	SOUTH		150.0
721	**Non-Synchronous Ties Total**							**1,250.0**
722	Non-Synchronous Ties Peak Average Capacity Percentage		DCTIE_PEAK_PCT	%				67.0
723								
724	**Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies**							
725	FRIENDSWOOD II	19INR0180		BRAZORIA	GAS	COASTAL	2021	-
726	HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2021	-
727	HUDSON (BRAZORIA ENERGY G)	16INR0076		BRAZORIA	GAS	COASTAL	2019	96.0
728	LEVEE (FREEPORT LNG)	16INR0003		BRAZORIA	GAS	COASTAL	2019	11.0
729	MIRAGE	17INR0022		HARRIS	GAS	HOUSTON	2020	11.0
730	VICTORIA CITY (CITYVICT)	18INR0035		REFUGIO	GAS	COASTAL	2019	100.0
731	**Planned Capacity Total (Nuclear, Coal, Gas, Biomass)**							**218.0**
732								
733	**Planned Wind Resources with Executed SGIA**							
734	ARMSTRONG WIND	18INR0029		ARMSTRONG	WIND	PANHANDLE	2020	-
735	AVIATOR WIND	19INR0156		COKE	WIND	WEST	2020	-
736	BAIRD NORTH WIND	20INR0083		CALLAHAN	WIND	WEST	2021	-
737	BARROW RANCH (JUMBO HILL WIND)	18INR0038		ANDREWS	WIND	WEST	2020	160.0
738	BLUE SUMMIT WIND 2	18INR0070		WILBARGER	WIND	WEST	2019	102.0
739	BLUE SUMMIT WIND 3	19INR0182		WILBARGER	WIND	WEST	2020	-
740	CABEZON WIND (RIO BRAVO I WIND)	17INR0005		ANDERSON	WIND	NORTH	2019	237.6
741	CACTUS FLATS WIND	16INR0086		CONCHO	WIND	WEST	2019	148.4
742	CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2019	210.0
743	CANYON WIND	18INR0030		SCURRY	WIND	WEST	2021	-
744	COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2020	-
745	EDMONDSON RANCH WIND	18INR0043		GLASSCOCK	WIND	WEST	2020	-
746	FOARD CITY WIND	19INR0019		FOARD	WIND	WEST	2019	350.0
747	GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2020	-
748	GOPHER CREEK WIND	18INR0067		BORDEN	WIND	WEST	2019	158.0
749	GRIFFIN TRAIL WIND	20INR0052		KNOX	WIND	WEST	2020	-
750	HARALD (BEARKAT WIND B)	15INR0064b		GLASSCOCK	WIND	WEST	2019	162.1
751	HART WIND	16INR0033		CASTRO	WIND	PANHANDLE	2021	-
752	HIDALGO II WIND	19INR0053		HIDALGO	WIND	SOUTH	2019	51.0
753	HIGH LONESOME W	19INR0038		CROCKETT	WIND	WEST	2019	449.5
754	HIGH LONESOME WIND PHASE II	20INR0262		CROCKETT	WIND	WEST	2020	50.6
755	KAISER CREEK WIND	18INR0042		CALLAHAN	WIND	WEST	2020	-
756	KONTIKI 1 WIND (ERIK)	19INR0099a		GLASSCOCK	WIND	WEST	2021	-
757	KONTIKI 2 WIND (ERNEST)	19INR0099b		GLASSCOCK	WIND	WEST	2022	-
758	LAS LOMAS WIND	16INR0111		STARR	WIND	SOUTH	2020	-
759	LOMA PINTA WIND	16INR0112		LA SALLE	WIND	SOUTH	2020	-
760	LORAINE WINDPARK PHASE III	18INR0068		MITCHELL	WIND	WEST	2021	-
761	MARIAH DEL ESTE	13INR0010a		PARMER	WIND	PANHANDLE	2020	-
762	MAVERICK CREEK I	20INR0045		CONCHO	WIND	WEST	2020	-
763	MAVERICK CREEK II	20INR0046		CONCHO	WIND	WEST	2020	-
764	MESTENO WIND	16INR0081		STARR	WIND	SOUTH	2020	201.6
765	NORTHDRAW WIND	13INR0025		RANDALL	WIND	PANHANDLE	2020	-
766	OVEJA WIND	18INR0033		IRION	WIND	WEST	2019	300.0
767	PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2022	-
768	PRAIRIE HILL WIND	19INR0100		MCLENNAN	WIND	NORTH	2020	-
769	PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2020	-
770	RANCHERO WIND	20INR0011		CROCKETT	WIND	WEST	2019	300.0
771	RELOJ DEL SOL WIND	17INR0025		ZAPATA	WIND	SOUTH	2020	-
772	RTS 2 WIND (HEART OF TEXAS WIND)	18INR0016		MCCULLOCH	WIND	SOUTH	2020	-
773	SAGE DRAW WIND	19INR0163		LYNN	WIND	WEST	2020	-
774	TG EAST WIND	19INR0052		KNOX	WIND	WEST	2020	-
775	TORRECILLAS WIND	14INR0045		WEBB	WIND	SOUTH	2019	300.5
776	VERA WIND	19INR0051		KNOX	WIND	WEST	2020	-
777	WHITE MESA WIND	19INR0128		CROCKETT	WIND	WEST	2020	-
778	WHITEHORSE WIND	19INR0080		FISHER	WIND	WEST	2020	418.9
779	WILDROSE WIND (SWISHER WIND)	13INR0038		SWISHER	WIND	PANHANDLE	2021	-
780	WILSON RANCH (INFINITY LIVE OAK WIND)	12INR0060		SCHLEICHER	WIND	WEST	2019	199.5
781	WKN AMADEUS WIND	14INR0009		FISHER	WIND	WEST	2020	-
782	CHALUPA WIND	20INR0042		CAMERON	WIND-C	COASTAL	2020	-
783	CHOCOLATE BAYOU W	16INR0074		BRAZORIA	WIND-C	COASTAL	2021	-
784	CRANEL WIND	19INR0112		REFUGIO	WIND-C	COASTAL	2020	220.0
785	EAST RAYMOND WIND	18INR0059		WILLACY	WIND-C	COASTAL	2020	-
786	KARANKAWA 2 WIND FARM	19INR0074		SAN PATRICIO	WIND-C	COASTAL	2019	101.0
787	KARANKAWA WIND ALT A	18INR0014		SAN PATRICIO	WIND-C	COASTAL	2019	206.6
788	LAS MAJADAS WIND	17INR0035		WILLACY	WIND-C	COASTAL	2020	-
789	PALMAS ALTAS WIND	17INR0037		CAMERON	WIND-C	COASTAL	2019	144.9
790	SHAFFER (PATRIOT WIND/PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2019	226.0
791	PEYTON CREEK WIND	18INR0018		MATAGORDA	WIND-C	COASTAL	2019	151.2
792	WEST RAYMOND (EL TRUENO) WIND	20INR0088		WILLACY	WIND-C	COASTAL	2020	-
793	**Planned Capacity Total (Wind)**							**4,849.4**
794								
795	Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					3,799.7
796	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				32.0
797								
798	Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					1,049.7
799	Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				68.0
800								
801	**Planned Solar Resources with Executed SGIA**							

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
802	AGATE SOLAR	20INR0023		ELLIS	SOLAR	NORTH	2020	-
803	ANSON SOLAR	19INR0081		JONES	SOLAR	WEST	2020	-
804	ARAGORN SOLAR	19INR0088		CULBERSON	SOLAR	WEST	2021	-
805	BLUEBELL SOLAR (CAPRICORN RIDGE SOLAR)	16INR0019		COKE	SOLAR	WEST	2019	30.0
806	ELARA SOLAR	21INR0276		FRIO	SOLAR	SOUTH	2021	-
807	EMERALD GROVE SOLAR (PECOS SOLAR POWER I)	15INR0059		PECOS	SOLAR	WEST	2021	-
808	FORT BEND SOLAR	18INR0053		FORT BEND	SOLAR	HOUSTON	2021	-
809	FOWLER RANCH	18INR0039		CRANE	SOLAR	WEST	2020	-
810	GALLOWAY SOLAR	19INR0121		CONCHO	SOLAR	WEST	2021	-
811	GARNET SOLAR	20INR0021		WILLIAMSON	SOLAR	SOUTH	2020	-
812	GREASEWOOD SOLAR	19INR0034		PECOS	SOLAR	WEST	2020	-
813	HOLSTEIN SOLAR	19INR0009		NOLAN	SOLAR	WEST	2020	-
814	HORIZON SOLAR	21INR0261		FRIO	SOLAR	SOUTH	2021	-
815	HOVEY (BARILLA SOLAR 1B)	12INR0059b		PECOS	SOLAR	WEST	2019	7.4
816	IMPACT SOLAR	19INR0151		LAMAR	SOLAR	NORTH	2020	-
817	IP TITAN	20INR0032		CULBERSON	SOLAR	WEST	2021	-
818	JUNO SOLAR	21INR0026		BORDEN	SOLAR	WEST	2021	-
819	KELLAM SOLAR	20INR0261		VAN ZANDT	SOLAR	NORTH	2020	-
820	LAPETUS SOLAR	19INR0185		ANDREWS	SOLAR	WEST	2019	100.0
821	LILY SOLAR	19INR0044		KAUFMAN	SOLAR	NORTH	2020	-
822	LONG DRAW SOLAR	18INR0055		BORDEN	SOLAR	WEST	2020	-
823	MISAE SOLAR	18INR0045		CHILDRESS	SOLAR	PANHANDLE	2019	240.8
824	MISAE SOLAR II	20INR0091		CHILDRESS	SOLAR	PANHANDLE	2021	-
825	MORROW LAKE SOLAR	19INR0155		FRIO	SOLAR	SOUTH	2021	-
826	MUSTANG CREEK SOLAR	18INR0050		JACKSON	SOLAR	SOUTH	2021	-
827	NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2021	-
828	NORTON SOLAR	19INR0035		RUNNELS	SOLAR	WEST	2021	-
829	OBERON SOLAR	19INR0083		ECTOR	SOLAR	WEST	2020	-
830	OXY SOLAR	19INR0184		ECTOR	SOLAR	WEST	2019	16.2
831	PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2020	-
832	PHOEBE SOLAR	19INR0029		WINKLER	SOLAR	WEST	2019	250.0
833	PROSPERO SOLAR	19INR0092		ANDREWS	SOLAR	WEST	2020	-
834	QUEEN SOLAR	19INR0102		UPTON	SOLAR	WEST	2019	400.0
835	RAMBLER SOLAR	19INR0114		TOM GREEN	SOLAR	WEST	2020	-
836	RAYOS DEL SOL	19INR0045		CAMERON	SOLAR	COASTAL	2020	-
837	RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2021	-
838	RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2020	-
839	RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2021	-
840	RIPPEY SOLAR	20INR0031		COOKE	SOLAR	NORTH	2020	-
841	RODEO SOLAR	19INR0103		ANDREWS	SOLAR	WEST	2021	-
842	SHAKES SOLAR	19INR0073		ZAVALA	SOLAR	SOUTH	2020	-
843	SODA LAKE SOLAR 1	18INR0040		CRANE	SOLAR	WEST	2021	-
844	SODA LAKE SOLAR 2	20INR0143		CRANE	SOLAR	WEST	2021	-
845	SPINEL SOLAR	20INR0025		MEDINA	SOLAR	SOUTH	2020	-
846	TAYGETE SOLAR	20INR0054		PECOS	SOLAR	WEST	2020	-
847	TAYGETE II SOLAR	21INR0233		PECOS	SOLAR	WEST	2021	-
848	TEXAS SOLAR NOVA	19INR0001		KENT	SOLAR	WEST	2021	-
849	UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2020	-
850	WAGYU SOLAR	18INR0062		BRAZORIA	SOLAR	COASTAL	2020	-
851	WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2019	100.0
852	**Planned Capacity Total (Solar)**							**1,144.4**
853	Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				66.0
854								
855	**Planned Storage Resources with Executed SGIA***							
856	COMMERCE ST ESS		X443ESS1	BEXAR	STORAGE	SOUTH	2019	10.0
857	FLAT TOP BATTERY		FLTBES_BESS1	REEVES	STORAGE	WEST	2019	9.9
858	JOHNSON CITY BESS		JC_BAT	BLANCO	STORAGE	SOUTH	2020	2.3
859	PORT LAVACA BATTERY		PTLBES_BESS1	CALHOUN	STORAGE	SOUTH	2019	9.9
860	PROSPECT STORAGE		WCOLLDG_BSS_U1	BRAZORIA	STORAGE	HOUSTON	2019	9.9
861	RABBIT HILL ENERGY STORAGE PROJECT		RHESS2_ESS_1	WILLIAMSON	STORAGE	SOUTH	2019	9.9
862	WORSHAM BATTERY		WRSBES_BESS1	REEVES	STORAGE	WEST	2019	9.9
863	**Planned Capacity Total (Storage)**							**61.8**
864	Storage Peak Average Capacity Percentage		STORAGE_PL_PEAK_PCT	%				-
865								
866	**Seasonal Mothballed Resources**							
867	GREGORY POWER PARTNERS GT1 (AS OF 10/17/2019)		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	152.0
868	GREGORY POWER PARTNERS GT2 (AS OF 10/17/2019)		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	151.0
869	GREGORY POWER PARTNERS STG (AS OF 10/17/2019)		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
870	SPENCER STG U4 (AS OF 10/3/2018)		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
871	SPENCER STG U5 (AS OF 10/3/2018)		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
872	**Total Seasonal Mothballed Capacity**							**496.0**
873								
874	**Mothballed Resources**							
875	J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	430.0
876	J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
877	**Total Mothballed Capacity**							**850.0**
878								
879	**Retiring Resources Unavailable to ERCOT (since last CDR/SARA)**							
880	VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
881	VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
882	**Total Retiring Capacity**							**16.7**

Notes:

Capacity changes due to planned repower/upgrade projects are reflected in the operational units' ratings upon (1) receipt and ERCOT approval of a new Resource Asset Registration Form (RARF), or (2) the unit owner submitting, and ERCOT approving, a Generation Interconnection or Change Request (GINR) application, and the project modifies the installed capacity by at least 10 MW as reported in the GINR request. Projects associated with interconnection change requests that meet the 10 MW size threshold are indicated with a code in the "Generation Interconnection Project Code" column. Projects with more than one unit have capacity change amounts prorated equally across the units. These prorated capacity adjustments are temporary until project owners submit RARFs that reflect updated seasonal MW ratings for each unit.

UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)

Although seasonal capacity ratings for battery energy storage systems are reported above, the ratings are not included in the operational/planned capacity formulae. These resources are assumed to provide regulation reserves rather than sustained capacity available to meet system peak loads.

* The projects listed in the 'Planned Storage Resources with Executed SGIA' section are all Distributed Generation Resources (DGRs). Since they are 10 MW or less, they are not going through the GINR application process.

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.