Release Date: May 8, 2019

FINAL
Seasonal Assessment of Resource Adequacy for the ERCOT Region (SARA)
Summer 2019

SUMMARY

In all of the scenarios studied for the final summer SARA, ERCOT identified a potential need to enter Energy Emergency Alert (EEA) status in order to maintain system reliability. The final summer SARA report includes a forecasted peak demand of 74,853 MW, which is 1,300 MW higher than the all-time peak demand record set last summer on July 19.
“ERCOT is prepared to use the tools and procedures that are in place to maintain system reliability during tight conditions,” said ERCOT President and CEO Bill Magness.

While operating reserves are expected to remain tight, total generation resource capacity has increased to 78,929 MW compared to the preliminary summer SARA released in March. This is due primarily to the expected return of a 365 MW gas-fired unit, increased output from certain units that are undergoing equipment upgrades, and an increase in the amount of DC tie imports, which is now based on what is expected during summer emergency conditions.

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Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	65,207	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,514	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
Less Switchable Capacity Unavailable to ERCOT, MW	(788)	Based on survey responses of Switchable Resource owners
Available Mothballed Capacity, MW	118	Based on seasonal Mothball units plus Probability of Return responses of Mothball Resource owners
Capacity from Private Use Networks, MW	3,437	Average capability of the top 20 hours in the summer peak seasons for the past three years (2016-2018)
Non-Coastal Wind, Peak Average Capacity Contribution, MW	2,884	Based on 15% of installed capacity for non-coastal wind resources (summer season) per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind, Peak Average Capacity Contribution, MW	1,636	Based on 58% of installed capacity for coastal wind resources (summer season) per ERCOT Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	1,377	Based on 74% of rated capacity for solar resources (summer season) per Nodal Protocols Section 3.2.6.2.2
Storage, Peak Average Capacity Contribution, MW	-	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	-	
Capacity Pending Retirement, MW	-	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	938	Based on import flows during most recent Energy Emergency Alert (EEA) intervals for the summer season (75% of installed capacity)
Planned Thermal Resources with Signed IA, Air Permits and Water Rights, MW	201	Based on in-service dates provided by developers of generation resources
Planned Non-Coastal Wind with Signed IA, Peak Average Capacity Contribution, MW	153	Based on in-service dates provided by developers and 15% summer capacity contribution for non-coastal wind resources
Planned Coastal Wind with Signed IA, Peak Average Capacity Contribution, MW	226	Based on in-service dates provided by developers and 58% summer capacity contribution for coastal wind resources
Planned Solar Utility-Scale, Peak Average Capacity Contribution, MW	28	Based on in-service dates provided by developers and a summer capacity contribution of 74% for solar resources
Planned Storage, Peak Average Capacity Contribution, MW	-	Based on in-service dates provided by developers and a summer capacity contribution of 0% for storage resources
[a] Total Resources, MW	78,929	
[b] Peak Demand, MW	74,853	Based on average weather conditions at the time of the summer peak for 2003-2017
[c] Reserve Capacity [a - b], MW	4,076	

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	-	-	-	3,303	Based on summer 2014 weather conditions
Typical Maintenance Outages	381	381	381	381	Based on the historical average of maintenance outages for weekday peak hours for June through September, for the last three summer seasons (2016 - 2018)
Typical Forced Outages, Thermal	3,845	3,845	3,845	3,845	Based on the historical average of forced outages for weekday peak hours for June through September, for the last three summer seasons (2016 - 2018)
90th Percentile Forced Outages, Thermal	-	2,665	-	-	Based on historical forced outages assuming a 90% confidence interval
Low Wind Output Adjustment	-	-	3,938	-	Based on the 10th percentile of wind output associated with the 100 highest Net Load hours (Load minus wind output) for the 2015-2018 summer Peak Load seasons; this wind output level is 960 MW.
[d] Total Uses of Reserve Capacity	4,226	6,891	8,164	7,529	
[e] Capacity Available for Operating Reserves, Normal Operating Conditions [c - d], MW	(150)	(2,815)	(4,088)	(3,453)	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	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	800.0
17	MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	805.0
18	MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	805.0
19	OAK GROVE SES U1	19INR0204	OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	862.5
20	OAK GROVE SES U2	19INR0204	OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	847.5
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	940.0
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	157.0
31	ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	157.0
32	ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	164.0
33	BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	157.0
34	BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	157.0
35	BARNEY M DAVIS REPOWER STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	319.0
36	BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	150.0
37	BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	150.0
38	BASTROP ENERGY CENTER STG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	233.0
39	BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	143.0
40	BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	79.5
41	BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	143.0
42	BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	145.0
43	BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	213.5
44	BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	149.7
45	BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	149.7
46	BRAZOS VALLEY STG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	257.9
47	CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	75.0
48	CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	75.0
49	CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	70.0
50	CALHOUN (PORT COMFORT) 1		CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	44.0
51	CALHOUN (PORT COMFORT) 2		CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	44.0
52	CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	163.0
53	CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	163.0
54	CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	178.0
55	COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	70.0
56	COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	62.0
57	COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	101.0
58	COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	69.0
59	COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	63.0
60	COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	103.0
61	COLORADO BEND II CT7	18INR0077	CBECII_CT7	WHARTON	GAS	SOUTH	2017	340.8
62	COLORADO BEND II CT8	18INR0077	CBECII_CT8	WHARTON	GAS	SOUTH	2017	340.8
63	COLORADO BEND II ST8	18INR0077	CBECII_STG9	WHARTON	GAS	SOUTH	2017	455.8
64	CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	169.0
65	CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	165.0
66	CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	165.0
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	178.0
69	DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	188.0
70	DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	178.0
71	DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	188.0
72	DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	287.0
73	DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	162.0
74	ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	204.0
75	ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	115.0
76	FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	169.0
77	FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	169.0
78	FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	182.0
79	FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	165.0
80	FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	157.0
81	FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	157.0
82	FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	165.0
83	FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	157.0
84	FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	157.0
85	FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	406.0
86	FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	406.0
87	FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	147.0
88	FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	147.0
89	FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	169.0
90	FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	145.0
91	FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	145.0
92	FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	168.0
93	GREGORY POWER PARTNERS GT1		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	145.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
94	GREGORY POWER PARTNERS GT2		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	145.0
95	GREGORY POWER PARTNERS STG		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
96	GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	143.0
97	GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	143.0
98	GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	141.0
99	GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	141.0
100	GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	198.0
101	GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	198.0
102	HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	210.0
103	HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	211.0
104	HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	210.0
105	HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	213.0
106	HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	149.0
107	HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	149.0
108	HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	168.0
109	JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	155.0
110	JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	155.0
111	JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	295.0
112	JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
113	JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
114	JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	295.0
115	JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
116	JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
117	LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	153.0
118	LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	145.0
119	LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	145.0
120	LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	153.0
121	LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
122	LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
123	LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	170.0
124	LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	170.0
125	LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	188.0
126	MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	215.0
127	MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	215.0
128	MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	236.0
129	MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	229.0
130	MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	227.0
131	MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	227.0
132	MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	227.0
133	MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	241.0
134	MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	243.0
135	NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	157.0
136	NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	157.0
137	NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	319.0
138	ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	149.0
139	ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	143.0
140	ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	145.3
141	ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	143.7
142	ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	204.9
143	ODESSA-ECTOR POWER STG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	204.9
144	PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	196.0
145	PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	195.0
146	PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	326.0
147	PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	195.0
148	PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	195.0
149	PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	312.0
150	PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	191.2
151	PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	191.2
152	PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	334.7
153	PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	76.0
154	PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	76.0
155	PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
156	PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	164.0
157	PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	164.0
158	PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	167.0
159	QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	74.0
160	QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	74.0
161	QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
162	QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	72.0
163	QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	72.0
164	QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
165	RIO NOGALES POWER CTG 1	19INR0205	RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	166.0
166	RIO NOGALES POWER CTG 2	19INR0205	RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	150.0
167	RIO NOGALES POWER CTG 3	19INR0205	RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	150.0
168	RIO NOGALES POWER STG 4	19INR0205	RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	286.0
169	SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
170	SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	50.0
171	SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
172	SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
173	SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	150.0
174	SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	145.0
175	SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
176	SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	38.0
177	T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	54.0
178	T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	54.0
179	T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	54.0
180	T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	54.0
181	T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	110.0
182	T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	54.0
183	T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	54.0
184	T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	54.0
185	T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	54.0
186	T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	110.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
187	TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	80.3
188	TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	80.3
189	TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	80.3
190	TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	124.9
191	VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	160.0
192	VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	125.0
193	WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
194	WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
195	WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
196	WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
197	WISE-TRACTEBEL POWER CTG 1		WCPP_CT1	WISE	GAS	NORTH	2004	203.0
198	WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	197.0
199	WISE-TRACTEBEL POWER STG 1		WCPP_ST1	WISE	GAS	NORTH	2004	272.0
200	WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	212.5
201	WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	212.5
202	WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	280.0
203	WOLF HOLLOW 2 CT5	18INR0076	WHCCS2_CT4	HOOD	GAS	NORTH	2017	323.6
204	WOLF HOLLOW 2 CT6	18INR0076	WHCCS2_CT5	HOOD	GAS	NORTH	2017	327.4
205	WOLF HOLLOW 2 STG6	18INR0076	WHCCS2_STG6	HOOD	GAS	NORTH	2017	464.4
206	ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	18.0
207	CASTLEMAN CHAMON 1		CHAMON_CTG_0101	HARRIS	GAS	HOUSTON	2017	44.0
208	CASTLEMAN CHAMON 2		CHAMON_CTG_0301	HARRIS	GAS	HOUSTON	2017	44.0
209	DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	45.0
210	DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	47.0
211	DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	48.0
212	DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	48.0
213	DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	48.0
214	DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	48.0
215	DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	69.0
216	DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	69.0
217	DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	68.0
218	DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	69.0
219	ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	147.0
220	ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	147.0
221	ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	190.0
222	EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	36.0
223	EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	36.0
224	EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	36.0
225	EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	36.0
226	FRIENDSWOOD G		FEGC_UNIT1	HARRIS	GAS	HOUSTON	2018	119.0
227	GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	56.0
228	GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	56.0
229	GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	56.0
230	GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
231	GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	56.0
232	GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	56.0
233	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
234	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
235	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
236	LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	90.1
237	LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	87.3
238	LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
239	LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
240	LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
241	LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
242	MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	66.0
243	MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	65.0
244	MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	65.0
245	MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	67.0
246	MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	67.0
247	MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	67.0
248	DENTON ENERGY CENTER A		DEC_AGR_A	DENTON	GAS	NORTH	2018	56.5
249	DENTON ENERGY CENTER B		DEC_AGR_B	DENTON	GAS	NORTH	2018	56.5
250	DENTON ENERGY CENTER C		DEC_AGR_C	DENTON	GAS	NORTH	2018	56.5
251	DENTON ENERGY CENTER D		DEC_AGR_D	DENTON	GAS	NORTH	2018	56.5
252	PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
253	PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
254	PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
255	PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
256	PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	63.0
257	PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	64.0
258	PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	64.0
259	PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	64.0
260	PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	65.0
261	PHR PEAKERS (BAC) CTG 1		BAC_CTG1	GALVESTON	GAS	HOUSTON	2018	59.0
262	PHR PEAKERS (BAC) CTG 2		BAC_CTG2	GALVESTON	GAS	HOUSTON	2018	61.0
263	PHR PEAKERS (BAC) CTG 3		BAC_CTG3	GALVESTON	GAS	HOUSTON	2018	49.0
264	PHR PEAKERS (BAC) CTG 4		BAC_CTG4	GALVESTON	GAS	HOUSTON	2018	54.0
265	PHR PEAKERS (BAC) CTG 5		BAC_CTG5	GALVESTON	GAS	HOUSTON	2018	54.0
266	PHR PEAKERS (BAC) CTG 6		BAC_CTG6	GALVESTON	GAS	HOUSTON	2018	52.0
267	REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
268	REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
269	REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
270	REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
271	R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	100.0
272	R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	100.0
273	RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
274	SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	11.0
275	SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	11.0
276	SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	80.0
277	SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	80.0
278	SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
279	SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
280	SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
281	SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
282	SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
283	SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
284	SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
285	SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
286	SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7
287	T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	56.0
288	T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	56.0
289	T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	56.0
290	T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	56.0
291	T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	56.0
292	T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	56.0
293	T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
294	TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	79.0
295	V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
296	V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
297	V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
298	V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
299	W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
300	WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
301	WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
302	WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
303	WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
304	B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	300.0
305	CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
306	CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
307	DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	107.0
308	DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	315.0
309	DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	420.0
310	GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
311	GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
312	HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
313	HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
314	HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
315	LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
316	LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
317	MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
318	MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
319	MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
320	O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
321	O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
322	POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	17.5
323	POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	23.5
324	POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	39.5
325	R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	70.0
326	R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	118.0
327	R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
328	RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
329	RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
330	RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
331	SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
332	SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
333	SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
334	STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
335	STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
336	TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
337	V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
338	V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
339	V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
340	W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
341	W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
342	W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	240.0
343	W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	527.0
344	NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
345	BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
346	BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
347	GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
348	NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
349	SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
350	VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
351	VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
352	WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
353	WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
354	WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
355	WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
356	WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
357	FARMERS BRANCH LANDFILL GAS TO ENERGY		DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2
358	**Operational Capacity Total (Nuclear, Coal, Gas, Biomass)**							**64,743.1**
359								
360	**Operational Resources (Hydro)**							
361	AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
362	AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
363	AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
364	AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
365	BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
366	BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0
367	BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
368	DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
369	DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
370	FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
371	FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
372	FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
373	GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
374	GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
375	INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
376	MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
377	MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
378	MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
379	MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
380	MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
381	WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
382	WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
383	ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
384	CITY OF GONZALES HYDRO		DG_GONZ_HYDRO_GONZ_HYDR	GONZALES	HYDRO	SOUTH	1986	1.5
385	EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
386	GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
387	GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
388	GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
389	GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
390	LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
391	**Operational Capacity Total (Hydro)**							**556.6**
392	Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					463.5
393								
394	Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					-
395	Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					65,206.6
396								
397	**Operational Resources (Switchable)**							
398	ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	54.0
399	ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	54.0
400	ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	54.0
401	ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	190.0
402	ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	190.0
403	TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	153.0
404	TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	155.0
405	TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	315.0
406	TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	153.0
407	TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	155.0
408	TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	315.0
409	TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	160.0
410	TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	160.0
411	TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	160.0
412	TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
413	TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	156.0
414	TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	135.0
415	TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	153.0
416	TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	402.0
417	**Switchable Capacity Total**							**3,514.0**
418								
419	**Switchable Capacity Unavailable to ERCOT**							
420	ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.0)
421	ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.0)
422	ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	-
423	ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
424	ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
425	TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	GRIMES	GAS	NORTH	2016	(300.0)
426	Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					(788.0)
427								
428	Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL		GAS			118.0
429								
430	Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,475.9
431	Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			(39.0)
432								
433	**Operational Resources (Wind)**							
434	ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
435	BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
436	BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
437	BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
438	BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
439	BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
440	BUCKTHORN WIND 1 A		BUCKTHRN_UNIT1	ERATH	WIND	NORTH	2017	44.9
441	BUCKTHORN WIND 1 B		BUCKTHRN_UNIT2	ERATH	WIND	NORTH	2017	55.7
442	BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
443	BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
444	BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
445	BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
446	BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
447	BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
448	CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
449	CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
450	CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
451	CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
452	CAPRICORN RIDGE WIND 2		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
453	CAPRICORN RIDGE WIND 3		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
454	CAPRICORN RIDGE WIND 4		CAPRIDG4_CR4	COKE	WIND	WEST	2008	112.5
455	CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
456	CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
457	CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
458	COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD COUNTY	WIND	PANHANDLE	2017	50.4
459	DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
460	DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5
461	DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
462	DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
463	DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
464	DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
465	ELBOW CREEK WIND		ELB_ELBCREEK	HOWARD	WIND	WEST	2008	118.7

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
466	ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2017	98.9
467	ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2017	131.1
468	FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
469	FLAT TOP WIND I		FTWIND_UNIT_1	MILLS	WIND	NORTH	2018	200.0
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_GOATWIN2	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	HICKMAN (SANTA RITA WIND) 1		HICKMAN_G1	REGAN AND IRION	WIND	WEST	2018	152.5
487	HICKMAN (SANTA RITA WIND) 2		HICKMAN_G2	REGAN AND IRION	WIND	WEST	2018	147.5
488	HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
489	HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
490	HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
491	HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
492	HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
493	HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
494	HORSE HOLLOW WIND 2		HHOLLOW2_WIND1	TAYLOR	WIND	WEST	2006	158.0
495	HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
496	HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
497	INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0
498	INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
499	INDIAN MESA WIND		INDNNWP_INDNNWP2	PECOS	WIND	WEST	2001	82.5
500	JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
501	JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
502	JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
503	JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
504	JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
505	JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
506	JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
507	KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
508	KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	78.0
509	KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	76.7
510	KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	39.0
511	KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	78.0
512	LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
513	LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	106.3
514	LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	103.8
515	LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
516	LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
517	LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
518	LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
519	LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
520	LORAINE WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2010	49.5
521	LORAINE WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2010	51.0
522	LORAINE WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
523	LORAINE WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
524	LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
525	LOS VIENTOS IV WIND		LV4_UNIT_1	STARR	WIND	SOUTH	2016	200.0
526	LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
527	MARIAH DEL NORTE 1		MARIAH_NORTE1	PARMER	WIND	PANHANDLE	2017	115.2
528	MARIAH DEL NORTE 2		MARIAH_NORTE2	PARMER	WIND	PANHANDLE	2017	115.2
529	MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
530	MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
531	MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
532	MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
533	MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
534	NIELS BOHR WIND A (BEARKAT WIND A)		NBOHR_UNIT1	GLASSCOCK	WIND	WEST	2018	196.6
535	NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
536	NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
537	OCOTILLO WIND		OWF_OWF	HOWARD	WIND	WEST	2008	58.8
538	OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD COUNTY	WIND	PANHANDLE	2017	151.2
539	PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
540	PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
541	PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
542	PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
543	PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
544	PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
545	PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
546	PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	91.9
547	PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	86.0
548	PYRON WIND 1		PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
549	PYRON WIND 2		PYR_PYRON2	SCURRY AND FISH	WIND	WEST	2008	127.5
550	RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
551	RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
552	RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
553	ROCK SPRINGS VAL VERDE WIND (FERMI) 1		FERMI_WIND1	VAL VERDE	WIND	WEST	2017	121.9
554	ROCK SPRINGS VAL VERDE WIND (FERMI) 2		FERMI_WIND2	VAL VERDE	WIND	WEST	2017	27.4
555	ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	114.0
556	ROSCOE WIND 2A		TKWSW1_ROSCOE2A	NOLAN	WIND	WEST	2008	95.0
557	ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
558	RTS WIND		RTS_U1	MCCULLOCH	WIND	SOUTH	2018	160.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
559	SALT FORK 1 WIND 1		SALTFORK_UNIT1	DONLEY	WIND	PANHANDLE	2017	64.0
560	SALT FORK 1 WIND 2		SALTFORK_UNIT2	DONLEY	WIND	PANHANDLE	2017	110.0
561	SAND BLUFF WIND		MCDLD_SBW1	GLASSCOCK	WIND	WEST	2008	90.0
562	SENDERO WIND ENERGY		EXGNSND_WIND_1	JIM HOGG	WIND	SOUTH	2015	76.0
563	SENATE WIND		SENATEWD_UNIT1	JACK	WIND	NORTH	2012	150.0
564	SHANNON WIND		SHANNONW_UNIT_1	CLAY	WIND	WEST	2015	204.1
565	SHERBINO 1 WIND		KEO_KEO_SM1	PECOS	WIND	WEST	2008	150.0
566	SHERBINO 2 WIND		KEO_SHRBINO2	PECOS	WIND	WEST	2011	145.0
567	SILVER STAR WIND		FLTCK_SSI	EASTLAND	WIND	NORTH	2008	60.0
568	SNYDER WIND		ENAS_ENA1	SCURRY	WIND	WEST	2007	63.0
569	SOUTH PLAINS WIND I		SPLAIN1_WIND1	FLOYD	WIND	PANHANDLE	2015	102.0
570	SOUTH PLAINS WIND 2		SPLAIN1_WIND2	FLOYD	WIND	PANHANDLE	2015	98.0
571	SOUTH PLAINS WIND II A		SPLAIN2_WIND21	FLOYD	WIND	PANHANDLE	2016	148.5
572	SOUTH PLAINS WIND II B		SPLAIN2_WIND22	FLOYD	WIND	PANHANDLE	2016	151.8
573	SOUTH TRENT WIND		STWF_T1	NOLAN	WIND	WEST	2008	98.2
574	SPINNING SPUR WIND TWO		SSPURTWO_WIND_1	OLDHAM	WIND	PANHANDLE	2014	161.0
575	SPINNING SPUR 3 [WIND 1]		SSPURTWO_SS3WIND1	OLDHAM	WIND	PANHANDLE	2015	96.0
576	SPINNING SPUR 3 [WIND 2]		SSPURTWO_SS3WIND2	OLDHAM	WIND	PANHANDLE	2015	98.0
577	STANTON WIND ENERGY		SWEC_G1	MARTIN	WIND	WEST	2008	120.0
578	STEPHENS RANCH WIND 1		SRWE1_UNIT1	BORDEN	WIND	WEST	2014	211.2
579	STEPHENS RANCH WIND 2		SRWE1_SRWE2	BORDEN	WIND	WEST	2015	164.7
580	SWEETWATER WIND 1		SWEETWND_WND1	NOLAN	WIND	WEST	2003	42.5
581	SWEETWATER WIND 2A		SWEETWN2_WND24	NOLAN	WIND	WEST	2006	17.0
582	SWEETWATER WIND 2B		SWEETWN2_WND2	NOLAN	WIND	WEST	2004	98.8
583	SWEETWATER WIND 3A		SWEETWN3_WND3A	NOLAN	WIND	WEST	2011	34.0
584	SWEETWATER WIND 3B		SWEETWN3_WND3B	NOLAN	WIND	WEST	2011	117.0
585	SWEETWATER WIND 4-5		SWEETWN4_WND5	NOLAN	WIND	WEST	2007	85.0
586	SWEETWATER WIND 4-4B		SWEETWN4_WND4B	NOLAN	WIND	WEST	2007	112.0
587	SWEETWATER WIND 4-4A		SWEETWN4_WND4A	NOLAN	WIND	WEST	2007	125.0
588	TAHOKA WIND 1		TAHOKA_UNIT_1	LYNN	WIND	WEST	2019	150.0
589	TAHOKA WIND 2		TAHOKA_UNIT_2	LYNN	WIND	WEST	2019	150.0
590	TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
591	TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
592	TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
593	TRINITY HILLS WIND 1		TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
594	TRINITY HILLS WIND 2		TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
595	TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
596	TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
597	WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
598	WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
599	WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
600	WHIRLWIND ENERGY		WEC_WECG1	FLOYD	WIND	PANHANDLE	2007	57.0
601	WHITETAIL WIND		EXGNWTL_WIND_1	WEBB	WIND	SOUTH	2012	92.3
602	WINDTHORST 2 WIND		WNDTHST2_UNIT1	ARCHER	WIND	WEST	2014	67.6
603	WKN MOZART WIND		MOZART_WIND_1	KENT	WIND	WEST	2012	30.0
604	WILLOW SPRINGS WIND A		SALVTION_UNIT1	HASKELL	WIND	WEST	2017	125.0
605	WILLOW SPRINGS WIND B		SALVTION_UNIT2	HASKELL	WIND	WEST	2017	125.0
606	WOLF RIDGE WIND		WHTTAIL_WR1	COOKE	WIND	NORTH	2008	112.5
607	TSTC WEST TEXAS WIND		DG_ROSC2_1UNIT	NOLAN	WIND	WEST	2008	2.0
608	WOLF FLATS WIND (WIND MGT)		DG_TURL_UNIT1	HALL	WIND	PANHANDLE	2007	1.0
609	**Operational Wind Capacity Sub-total (Non-Coastal Counties)**							**19,227.5**
610	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				15.0
611								
612	BAFFIN WIND UNIT1		BAFFIN_UNIT1	KENEDY	WIND-C	COASTAL	2016	100.0
613	BAFFIN WIND UNIT2		BAFFIN_UNIT2	KENEDY	WIND-C	COASTAL	2016	102.0
614	BRUENNING'S BREEZE A		BBREEZE_UNIT1	WILLACY	WIND-C	COASTAL	2017	120.0
615	BRUENNING'S BREEZE B		BBREEZE_UNIT2	WILLACY	WIND-C	COASTAL	2017	108.0
616	CAMERON COUNTY WIND		CAMWIND_UNIT1	CAMERON	WIND-C	COASTAL	2016	165.0
617	CHAPMAN RANCH WIND IA (SANTA CRUZ)		SANTACRU_UNIT1	NUECES	WIND-C	COASTAL	2017	150.6
618	CHAPMAN RANCH WIND IB (SANTA CRUZ)		SANTACRU_UNIT2	NUECES	WIND-C	COASTAL	2017	98.4
619	GULF WIND I		TGW_T1	KENEDY	WIND-C	COASTAL	2010	141.6
620	GULF WIND II		TGW_T2	KENEDY	WIND-C	COASTAL	2010	141.6
621	LOS VIENTOS WIND I		LV1_LV1A	WILLACY	WIND-C	COASTAL	2013	200.1
622	LOS VIENTOS WIND II		LV1_LV1B	WILLACY	WIND-C	COASTAL	2013	201.6
623	MAGIC VALLEY WIND (REDFISH) 1A		REDFISH_MV1A	WILLACY	WIND-C	COASTAL	2012	99.8
624	MAGIC VALLEY WIND (REDFISH) 1B		REDFISH_MV1B	WILLACY	WIND-C	COASTAL	2012	103.5
625	PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
626	PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
627	PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
628	PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
629	PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
630	SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
631	STELLA WIND		STELLA_UNIT1	KENEDY	WIND-C	COASTAL	2018	201.0
632	HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
633	**Operational Wind Capacity Sub-total (Coastal Counties)**							**2,820.6**
634	Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				58.0
635								
636	Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					22,048.1
637								
638	**Operational Resources (Solar)**							
639	ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
640	BHE SOLAR PEARL PROJECT (SIRIUS 2)		SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
641	BNB LAMESA SOLAR (PHASE I)		LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
642	BNB LAMESA SOLAR (PHASE II)		LMESASLR_IVORY	DAWSON	SOLAR	WEST	2018	50.0
643	CASTLE GAP SOLAR		CASL_GAP_UNIT1	UPTON	SOLAR	WEST	2018	180.0
644	FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2015	22.0
645	FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
646	OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
647	OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
648	OCI ALAMO 5 (DOWNIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
649	OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
650	OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	106.4
651	RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
652	RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
653	RIGGINS (SE BUCKTHORN WESTEX SOLAR)		RIGGINS_UNIT1	PECOS	SOLAR	WEST	2018	150.0
654	SOLAIREHOLMAN 1		LASSO_UNIT1	BREWSTER	SOLAR	WEST	2018	50.0
655	SP-TX-12-PHASE B		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
656	WAYMARK SOLAR		WAYMARK_UNIT1	UPTON	SOLAR	WEST	2018	182.0
657	WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
658	COMMERCE_SOLAR		DG_ X443PV1_SWRI_PV1	BEXAR	SOLAR	SOUTH	2019	5.0
659	BECK 1		DG_CECSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
660	BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
661	BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
662	BOVINE SOLAR LLC		DG_BOVINE_BOVINE	AUSTIN	SOLAR	SOUTH	2018	5.0
663	BOVINE SOLAR LLC		DG_BOVINE2_BOVINE2	AUSTIN	SOLAR	SOUTH	2018	5.0
664	BRONSON SOLAR I		DG_BRNSN_BRNSN	FORT BEND	SOLAR	HOUSTON	2018	5.0
665	BRONSON SOLAR II		DG_BRNSN2_BRNSN2	FORT BEND	SOLAR	HOUSTON	2018	5.0
666	CASCADE SOLAR I		DG_CASCADE_CASCADE	WHARTON	SOLAR	SOUTH	2018	5.0
667	CASCADE SOLAR II		DG_CASCADE2_CASCADE2	WHARTON	SOLAR	SOUTH	2018	5.0
668	CHISUM SOLAR		DG_CHISUM_CHISUM	LAMAR	SOLAR	NORTH	2018	10.0
669	EDDY SOLAR II		DG_EDDYII_EDDYII	MCLENNAN	SOLAR	NORTH	2018	10.0
670	FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
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_YLWJACKET	BOSQUE	SOLAR	NORTH	2018	5.0
693	**Operational Capacity Total (Solar)**							**1,860.8**
694	Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				74.0
695								
696	**Operational Resources (Storage)**							
697	BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	30.0
698	INADALE ESS		INDL_ESS	NOLAN	STORAGE	WEST	2018	9.9
699	NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2013	33.7
700	PYRON ESS		PYR_ESS	SCURRY	STORAGE	WEST	2018	9.9
701	OCI ALAMO 1		DG_OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	1.0
702	TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	STORAGE	WEST	2017	2.0
703	**Operational Capacity Total (Storage)**							**86.5**
704	Storage Peak Average Capacity Percentage		STORAGE_PEAK_PCT	%				-
705								
706	Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT					-
707								
708	Capacity Pending Retirement		PENDRETIRE_CAP					-
709								
710	**Non-Synchronous Tie Resources**							
711	EAST TIE		DC_E	FANNIN	OTHER	NORTH		600.0
712	NORTH TIE		DC_N	WILBARGER	OTHER	WEST		220.0
713	EAGLE PASS TIE		DC_S	MAVERICK	OTHER	SOUTH		30.0
714	LAREDO VFT TIE		DC_L	WEBB	OTHER	SOUTH		100.0
715	SHARYLAND RAILROAD TIE		DC_R	HIDALGO	OTHER	SOUTH		150.0
716	SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO	OTHER	SOUTH		150.0
717	**Non-Synchronous Ties Total**							**1,250.0**
718	Non-Synchronous Ties Peak Average Capacity Percentage		DCTIE_PEAK_PCT	%				75.0
719								
720	**Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies**							
721	FGE TEXAS I PROJECT	16INR0010		MITCHELL	GAS	WEST	2021	-
722	HALYARD HENDERSON	16INR0045		HENDERSON	GAS	NORTH	2021	-
723	HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2021	-
724	HUDSON (BRAZORIA ENERGY G)	16INR0076		BRAZORIA	GAS	COASTAL	2019	90.0
725	MIRAGE	17INR0022		HARRIS	GAS	HOUSTON	2019	11.0
726	VICTORIA CITY (CITYVICT)	18INR0035		REFUGIO	GAS	COASTAL	2019	-
727	VICTORIA PORT (VICTPORT)	17INR0045		CALHOUN	GAS	COASTAL	2019	100.0
728	**Planned Capacity Total (Nuclear, Coal, Gas, Biomass)**							**201.0**
729								
730	**Planned Wind Resources with Executed SGIA**							
731	ARMSTRONG WIND	18INR0029		ARMSTRONG	WIND	PANHANDLE	2020	-
732	BARROW RANCH (JUMBO HILL WIND)	18INR0038		ANDREWS	WIND	WEST	2019	-
733	BLUE SUMMIT II	18INR0070		WILBARGER	WIND	WEST	2019	102.0
734	BLUE SUMMIT WIND III	19INR0182		WILBARGER	WIND	WEST	2019	-
735	CABEZON WIND (RIO BRAVO I WIND)	17INR0005		STARR	WIND	SOUTH	2019	237.6
736	CACTUS FLATS WIND	16INR0086		CONCHO	WIND	WEST	2019	148.4
737	CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2019	-
738	CANYON WIND	18INR0030		SCURRY	WIND	WEST	2020	-
739	COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2020	-
740	DARMSTADT	18INR0023		SCHLEICHER	WIND	WEST	2019	-
741	EASTER WIND	15INR0063		CASTRO	WIND	PANHANDLE	2020	-
742	EDMONDSON RANCH WIND	18INR0043		GLASSCOCK	WIND	WEST	2020	-
743	FOARD CITY WIND	19INR0019		FOARD	WIND	WEST	2019	-
744	GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2020	-

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
745	GOPHER CREEK WIND	18INR0067		BORDEN	WIND	WEST	2019	-
746	GRAPE CREEK WIND	19INR0156		COKE	WIND	WEST	2020	-
747	GRIFFIN TRAIL WIND	20INR0052		KNOX	WIND	WEST	2020	-
748	HARALD (BEARKAT WIND B)	15INR0064b		GLASSCOCK	WIND	WEST	2019	-
749	HART WIND	16INR0033		CASTRO	WIND	PANHANDLE	2020	-
750	HIDALGO II WIND	19INR0053		HIDALGO	WIND	SOUTH	2019	-
751	HIGH LONESOME W	19INR0038		CROCKETT	WIND	WEST	2019	-
752	KONTIKI 1 WIND (ERIK)	19INR0099a		GLASSCOCK	WIND	WEST	2020	-
753	KONTIKI 2 WIND (ERNEST)	19INR0099b		GLASSCOCK	WIND	WEST	2021	-
754	LAS LOMAS WIND	16INR0111		STARR	WIND	SOUTH	2019	-
755	LOCKETT WIND FARM	16INR0062b		WILBARGER	WIND	WEST	2019	-
756	LOMA PINTA WIND	16INR0112		LA SALLE	WIND	SOUTH	2019	-
757	LORAINE WINDPARK PHASE III	18INR0068		MITCHELL	WIND	WEST	2020	-
758	MARIAH DEL ESTE	13INR0010a		PARMER	WIND	PANHANDLE	2020	-
759	MAVERICK CREEK I	20INR0045		CONCHO	WIND	WEST	2020	-
760	MAVERICK CREEK II	20INR0046		CONCHO	WIND	WEST	2020	-
761	MESTENO WIND	16INR0081		STARR	WIND	SOUTH	2020	-
762	NORTHDRAW WIND	13INR0025		RANDALL	WIND	PANHANDLE	2020	-
763	OVEJA WIND	18INR0033		IRION	WIND	WEST	2019	-
764	PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2020	-
765	PRAIRIE HILL WIND	19INR0100		MCLENNAN	WIND	NORTH	2020	-
766	PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2020	-
767	RANCHERO WIND	20INR0011		CROCKETT	WIND	WEST	2019	-
768	RELOJ DEL SOL WIND	17INR0025		ZAPATA	WIND	SOUTH	2020	-
769	RTS 2 WIND (HEART OF TEXAS WIND)	18INR0016		MCCULLOCH	WIND	SOUTH	2020	-
770	S_HILLS WIND (LITTLE MOUNTAIN WIND)	12INR0055		BAYLOR	WIND	WEST	2019	30.2
771	SAGE DRAW WIND	19INR0163		LYNN	WIND	WEST	2020	-
772	TG EAST WIND	19INR0052		KNOX	WIND	WEST	2020	-
773	TORRECILLAS WIND	14INR0045		WEBB	WIND	SOUTH	2019	300.5
774	VERA WIND	19INR0051		KNOX	WIND	WEST	2020	-
775	WHITE MESA WIND	19INR0128		CROCKETT	WIND	WEST	2020	-
776	WHITEHORSE WIND	19INR0080		FISHER	WIND	WEST	2019	-
777	WILDROSE WIND (SWISHER WIND)	13INR0038		SWISHER	WIND	PANHANDLE	2021	-
778	WILSON RANCH (INFINITY LIVE OAK WIND)	12INR0060		SCHLEICHER	WIND	WEST	2019	199.5
779	WKN AMADEUS WIND	14INR0009		FISHER	WIND	WEST	2020	-
780	CHALUPA WIND	20INR0042		CAMERON	WIND-C	COASTAL	2020	-
781	CRANEL WIND	19INR0112		REFUGIO	WIND-C	COASTAL	2019	-
782	KARANKAWA 2 WIND FARM	19INR0074		SAN PATRICIO	WIND-C	COASTAL	2019	-
783	KARANKAWA WIND ALT A	18INR0014		SAN PATRICIO	WIND-C	COASTAL	2019	-
784	LAS MAJADAS WIND	17INR0035		WILLACY	WIND-C	COASTAL	2020	-
785	MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2019	162.9
786	PALMAS ALTAS WIND	17INR0037		CAMERON	WIND-C	COASTAL	2020	-
787	SHAFFER (PATRIOT WIND/PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2019	226.0
788	PEYTON CREEK WIND	18INR0018		MATAGORDA	WIND-C	COASTAL	2019	-
789	EAST RAYMOND WIND	18INR0059		WILLACY	WIND-C	COASTAL	2020	-
790	**Planned Capacity Total (Wind)**							**1,407.1**
791								
792	Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					1,018.2
793	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				15.0
794								
795	Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					388.9
796	Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				58.0
797								
798	**Planned Solar Resources with Executed SGIA**							
799	AGATE SOLAR	20INR0023		ELLIS	SOLAR	NORTH	2020	-
800	ARAGORN SOLAR	19INR0088		CULBERSON	SOLAR	WEST	2021	-
801	BLUEBELL SOLAR (CAPRICORN RIDGE SOLAR	16INR0019		COKE	SOLAR	WEST	2019	30.0
802	EMERALD GROVE SOLAR (PECOS SOLAR POV	15INR0059		PECOS	SOLAR	WEST	2020	-
803	FOWLER RANCH	18INR0039		CRANE	SOLAR	WEST	2020	-
804	GALLOWAY SOLAR	19INR0121		CONCHO	SOLAR	WEST	2020	-
805	GARNET SOLAR	20INR0021		WILLIAMSON	SOLAR	SOUTH	2020	-
806	GREASEWOOD SOLAR	19INR0034		PECOS	SOLAR	WEST	2020	-
807	HOLSTEIN SOLAR	19INR0009		NOLAN	SOLAR	WEST	2020	-
808	HOVEY (BARILLA SOLAR 1B)	12INR0059b		PECOS	SOLAR	WEST	2019	7.4
809	IP TITAN	20INR0032		CULBERSON	SOLAR	WEST	2021	-
810	JUNO SOLAR	21INR0026		BORDEN	SOLAR	WEST	2021	-
811	LAPETUS SOLAR 2	19INR0185		ANDREWS	SOLAR	WEST	2019	-
812	LILY SOLAR	19INR0044		KAUFMAN	SOLAR	NORTH	2020	-
813	LONG DRAW SOLAR	18INR0055		BORDEN	SOLAR	WEST	2020	-
814	MISAE SOLAR	18INR0045		CHILDRESS	SOLAR	PANHANDLE	2019	-
815	MISAE SOLAR II	20INR0091		CHILDRESS	SOLAR	PANHANDLE	2020	-
816	MUSTANG CREEK SOLAR	18INR0050		JACKSON	SOLAR	SOUTH	2020	-
817	NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2021	-
818	OBERON SOLAR	19INR0083		ECTOR	SOLAR	WEST	2019	-
819	OXY SOLAR	19INR0184		ECTOR	SOLAR	WEST	2019	-
820	PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2020	-
821	PHOEBE SOLAR	19INR0029		WINKLER	SOLAR	WEST	2019	-
822	PROSPERO SOLAR	19INR0092		ANDREWS	SOLAR	WEST	2020	-
823	QUEEN SOLAR	19INR0102		UPTON	SOLAR	WEST	2019	-
824	RAMBLER SOLAR	19INR0114		TOM GREEN	SOLAR	WEST	2019	-
825	RAYOS DEL SOL	19INR0045		CAMERON	SOLAR	COASTAL	2020	-
826	RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2020	-
827	RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2020	-
828	RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2021	-
829	SHAKES SOLAR	19INR0073		ZAVALA	SOLAR	SOUTH	2020	-
830	SODA LAKE SOLAR 1	18INR0040		CRANE	SOLAR	WEST	2020	-
831	SODA LAKE SOLAR 2	20INR0143		CRANE	SOLAR	WEST	2020	-
832	SPINEL SOLAR	20INR0025		MEDINA	SOLAR	SOUTH	2020	-
833	TAYGETE SOLAR	20INR0054		PECOS	SOLAR	WEST	2020	-
834	TAYGETE II SOLAR	21INR0233		PECOS	SOLAR	WEST	2021	-
835	UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2020	-
836	WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2019	-

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
837	**Planned Capacity Total (Solar)**							**37.4**
838	Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				74.0
839								
840	**Planned Storage Resources with Executed SGIA**							
841	CASTLE GAP BATTERY			UPTON	OTHER	WEST	2018	9.9
842	COMMERCE ST ESS			BEXAR	OTHER	SOUTH	2019	10.0
843	JOHNSON CITY BESS			BLANCO	OTHER	SOUTH	2019	-
844	JUNO STORAGE	21INR0032		BORDEN	OTHER	WEST	2021	-
845	RABBIT HILL ENERGY STORAGE PROJECT			WILLIAMSON	OTHER	SOUTH	2019	9.9
846	**Planned Capacity Total (Storage)**							**29.8**
847	Storage Peak Average Capacity Percentage		STORAGE_PL_PEAK_PCT	%				-
848								
849	**Seasonal Mothballed Resources**							
850	SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
851	SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
852	**Total Seasonal Mothballed Capacity**							**118.0**
853								
854	**Mothballed Resources**							
855	J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	420.0
856	J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
857	GIBBONS CREEK U1 (AS OF 10/1/2018)		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
858	**Total Mothballed Capacity**							**1,310.0**
859								
860	**Retiring Resources Unavailable to ERCOT (since last CDR/SARA)***							
861	FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
862	MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
863	TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
864	VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
865	VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
866	**Total Retiring Capacity**							**15.8**

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 has submitted, and ERCOT has approved, 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.

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

* ERCOT is now tracking and accounting for retirements of Registered DG facilities. These biomass facilities actually retired between 2014 and 2016.

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.