Release Date: April 30, 2018

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

SUMMARY

ERCOT continues to predict record-breaking peak usage this summer season (June – September 2018). This final SARA report includes a 72,756 MW summer peak load forecast based on expectations for normal weather, and remains unchanged from the forecast used for the preliminary summer SARA report.* The strong Texas economy continues to drive demand in the ERCOT Region, and the anticipated peak demand is expected to be more than 1,600 MW higher than the all-time peak demand record of 71,110 MW set in August 2016.

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

Total generation resource capacity for the summer season is now estimated at 78,184 MW. This capacity total is up by 525 MW relative to the amount reported in the preliminary summer SARA report. The increase is due primarily to the change in status of a mothballed unit (300 MW) from unavailable to available for the summer season, a planned gas-fired resource (226 MW) that is now expected to be available in mid-June, and a formerly unavailable Switchable Generation Resource (54.6 MW) that is planned to be available to the ERCOT grid. The change in total capacity also reflects some minor decreases such as a smaller Private Use Network capacity contribution and the postponement of the projected in-service date for a small planned gas-fired unit to the fall of 2018. The total amount of planned additions for the summer now stands at 728 MW, constituting 345 MW of thermal sources and 383 MW of renewables based on the expected summer peak capacity contributions.

The final summer unit outage forecast of 4,349 MW remains unchanged from the preliminary summer SARA report. ERCOT developed this forecast from outage data for the last three summer seasons.

*Details on the load forecast methodology:

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

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Forecasted Capacity and Demand

Operational Resources (thermal and hydro), MW	66,112	Based on current Seasonal Maximum Sustainable Limits reported through the unit registration process
Switchable Capacity Total, MW	3,516	Installed capacity of units that can interconnect with other Regions and are available to ERCOT
Less Switchable Capacity Unavailable to ERCOT, MW	-789	Based on survey responses of Switchable 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	3,298	Average capability of the top 20 hours in the summer peak seasons for the past three years (2015-2017)
Non-Coastal Wind Resources Capacity Contribution, MW	2,556	Based on 14% of installed capacity for non-coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Coastal Wind Resources Capacity Contribution, MW	1,546	Based on 59% of installed capacity for coastal wind resources per ERCOT Nodal Protocols Section 3.2.6.2.2
Solar Utility-Scale, Peak Average Capacity Contribution, MW	829	Based on 75% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
RMR Resources to be under Contract, MW	0	
Capacity Pending Retirement	0	
Non-Synchronous Ties Capacity Contribution, MW	389	Average capability of the top 20 hours in the summer peak seasons for the past three years (2015-2017)
Planned Thermal Resources with Signed IA, Air Permits and Adeq. Water Supplies, MW	345	Based on in-service dates provided by developers
Planned Non-Coastal Wind with signed IA , MW	92	Based on in-service dates provided by developers and 14% of installed capacity for non-coastal wind resources
Planned Coastal Wind with signed IA , MW	0	Based on in-service dates provided by developers and 59% of installed capacity for coastal wind resources
Planned Solar Utility-Scale with signed IA, MW	291	Based on 75% of rated capacity for solar resources per Nodal Protocols Section 3.2.6.2.2
[a] Total Resources, MW	78,184	
[b] Adjusted Peak Demand, MW	72,756	Based on average weather peak conditions from 2002 – 2016
[c] Reserve Capacity [a - b], MW	5,428	

Range of Potential Risks

	Forecasted Season Peak Load / Typical Generation Outages	Forecasted Season Peak Load / Extreme Generation Outages	Forecasted Season Peak Load / Extreme Low Wind Output	Extreme Season Peak Load / Typical Generation Outages	
Seasonal Load Adjustment	-	-	-	3,202	Based on extreme weather conditions using 2011's weather; the extreme summer forecast is 75,958 MW
Typical Maintenance Outages	455	455	455	455	Based on historical average of planned outages for June through September weekdays, starting in 2015
Typical Forced Outages, Thermal	3,894	3,894	3,894	3,894	Based on historical average of forced outages for June through September weekdays, starting in 2015
90th Percentile Forced Outages, Thermal	-	2,566	-	-	Based on historical forced outages assuming a 90% confidence interval
Low Wind Output Adjustment	-	-	3,397	-	Based on the 10th percentile of wind output associated with the 100 highest Net Load hours (Load minus wind output) for the 2013-2016 summer Peak Load seasons; this wind output level is 798 MW
[d] Total Uses of Reserve Capacity	4,349	6,915	7,746	7,551	
[e] Capacity Available for Operating Reserves, Normal Operating Conditions (c-d), MW	1,079	(1,487)	(2,318)	(2,123)	See the Background tab for additional details
Less than 2,300 MW indicates risk of EEA1					

Unit Capacities - Summer

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
	Operational Resources (Thermal)							
4	COMANCHE PEAK U1		CPSES_UNIT1	SOMERVELL	NUCLEAR	NORTH	1990	1,205.0
5	COMANCHE PEAK U2		CPSES_UNIT2	SOMERVELL	NUCLEAR	NORTH	1993	1,195.0
6	SOUTH TEXAS U1		STP_STP_G1	MATAGORDA	NUCLEAR	COASTAL	1988	1,280.0
7	SOUTH TEXAS U2		STP_STP_G2	MATAGORDA	NUCLEAR	COASTAL	1989	1,280.0
8	COLETO CREEK		COLETO_COLETOG1	GOLIAD	COAL	SOUTH	1980	655.0
9	FAYETTE POWER U1		FPPYD1_FPP_G1	FAYETTE	COAL	SOUTH	1979	604.0
10	FAYETTE POWER U2		FPPYD1_FPP_G2	FAYETTE	COAL	SOUTH	1980	599.0
11	FAYETTE POWER U3		FPPYD2_FPP_G3	FAYETTE	COAL	SOUTH	1988	437.0
12	GIBBONS CREEK U1		GIBCRK_GIB_CRG1	GRIMES	COAL	NORTH	1983	470.0
13	J K SPRUCE U1		CALAVERS_JKS1	BEXAR	COAL	SOUTH	1992	560.0
14	J K SPRUCE U2		CALAVERS_JKS2	BEXAR	COAL	SOUTH	2010	785.0
15	J T DEELY U1		CALAVERS_JTD1	BEXAR	COAL	SOUTH	1977	420.0
16	J T DEELY U2		CALAVERS_JTD2	BEXAR	COAL	SOUTH	1978	420.0
17	LIMESTONE U1		LEG_LEG_G1	LIMESTONE	COAL	NORTH	1985	824.0
18	LIMESTONE U2		LEG_LEG_G2	LIMESTONE	COAL	NORTH	1986	836.0
19	MARTIN LAKE U1		MLSES_UNIT1	RUSK	COAL	NORTH	1977	800.0
20	MARTIN LAKE U2		MLSES_UNIT2	RUSK	COAL	NORTH	1978	805.0
21	MARTIN LAKE U3		MLSES_UNIT3	RUSK	COAL	NORTH	1979	805.0
22	OAK GROVE SES U1		OGSES_UNIT1A	ROBERTSON	COAL	NORTH	2010	840.0
23	OAK GROVE SES U2		OGSES_UNIT2	ROBERTSON	COAL	NORTH	2011	825.0
24	OKLAUNION U1		OKLA_OKLA_G1	WILBARGER	COAL	WEST	1986	650.0
25	SAN MIGUEL U1		SANMIGL_G1	ATASCOSA	COAL	SOUTH	1982	391.0
26	SANDY CREEK U1		SCES_UNIT1	MCLENNAN	COAL	NORTH	2013	940.0
27	TWIN OAKS U1		TNP_ONE_TNP_O_1	ROBERTSON	COAL	NORTH	1990	155.0
28	TWIN OAKS U2		TNP_ONE_TNP_O_2	ROBERTSON	COAL	NORTH	1991	155.0
29	W A PARISH U5		WAP_WAP_G5	FT. BEND	COAL	HOUSTON	1977	664.0
30	W A PARISH U6		WAP_WAP_G6	FT. BEND	COAL	HOUSTON	1978	663.0
31	W A PARISH U7		WAP_WAP_G7	FT. BEND	COAL	HOUSTON	1980	577.0
32	W A PARISH U8		WAP_WAP_G8	FT. BEND	COAL	HOUSTON	1982	610.0
33	ARTHUR VON ROSENBERG 1 CTG 1		BRAUNIG_AVR1_CT1	BEXAR	GAS	SOUTH	2000	157.0
34	ARTHUR VON ROSENBERG 1 CTG 2		BRAUNIG_AVR1_CT2	BEXAR	GAS	SOUTH	2000	157.0
35	ARTHUR VON ROSENBERG 1 STG		BRAUNIG_AVR1_ST	BEXAR	GAS	SOUTH	2000	164.0
36	BARNEY M DAVIS REPOWER CTG 3		B_DAVIS_B_DAVIG3	NUECES	GAS	COASTAL	2010	157.0
37	BARNEY M DAVIS REPOWER CTG 4		B_DAVIS_B_DAVIG4	NUECES	GAS	COASTAL	2010	157.0
38	BARNEY M DAVIS REPOWER STG 2		B_DAVIS_B_DAVIG2	NUECES	GAS	COASTAL	1976	319.0
39	BASTROP ENERGY CENTER CTG 1		BASTEN_GTG1100	BASTROP	GAS	SOUTH	2002	150.0
40	BASTROP ENERGY CENTER CTG 2		BASTEN_GTG2100	BASTROP	GAS	SOUTH	2002	150.0
41	BASTROP ENERGY CENTER STG		BASTEN_ST0100	BASTROP	GAS	SOUTH	2002	233.0
42	BOSQUE ENERGY CENTER CTG 1		BOSQUESW_BSQSU_1	BOSQUE	GAS	NORTH	2000	148.9
43	BOSQUE ENERGY CENTER STG 4		BOSQUESW_BSQSU_4	BOSQUE	GAS	NORTH	2001	81.4
44	BOSQUE ENERGY CENTER CTG 2		BOSQUESW_BSQSU_2	BOSQUE	GAS	NORTH	2000	148.9
45	BOSQUE ENERGY CENTER CTG 3		BOSQUESW_BSQSU_3	BOSQUE	GAS	NORTH	2001	150.2
46	BOSQUE ENERGY CENTER STG 5		BOSQUESW_BSQSU_5	BOSQUE	GAS	NORTH	2009	214.9
47	BRAZOS VALLEY CTG 1		BVE_UNIT1	FORT BEND	GAS	HOUSTON	2003	166.0
48	BRAZOS VALLEY CTG 2		BVE_UNIT2	FORT BEND	GAS	HOUSTON	2003	166.0
49	BRAZOS VALLEY STG 3		BVE_UNIT3	FORT BEND	GAS	HOUSTON	2003	270.0
50	CALENERGY-FALCON SEABOARD CTG 1		FLCNS_UNIT1	HOWARD	GAS	WEST	1987	75.0
51	CALENERGY-FALCON SEABOARD CTG 2		FLCNS_UNIT2	HOWARD	GAS	WEST	1987	75.0
52	CALENERGY-FALCON SEABOARD STG 3		FLCNS_UNIT3	HOWARD	GAS	WEST	1988	70.0
53	CALHOUN (PORT COMFORT) 1		CALHOUN_UNIT1	CALHOUN	GAS	COASTAL	2017	44.0
54	CALHOUN (PORT COMFORT) 2		CALHOUN_UNIT2	CALHOUN	GAS	COASTAL	2017	44.0
55	CEDAR BAYOU 4 CTG 1		CBY4_CT41	CHAMBERS	GAS	HOUSTON	2009	163.0
56	CEDAR BAYOU 4 CTG 2		CBY4_CT42	CHAMBERS	GAS	HOUSTON	2009	163.0
57	CEDAR BAYOU 4 STG		CBY4_ST04	CHAMBERS	GAS	HOUSTON	2009	178.0
58	COLORADO BEND ENERGY CENTER CTG 1		CBEC_GT1	WHARTON	GAS	SOUTH	2007	70.0
59	COLORADO BEND ENERGY CENTER CTG 2		CBEC_GT2	WHARTON	GAS	SOUTH	2007	62.0
60	COLORADO BEND ENERGY CENTER STG 1		CBEC_STG1	WHARTON	GAS	SOUTH	2007	101.0
61	COLORADO BEND ENERGY CENTER CTG 3		CBEC_GT3	WHARTON	GAS	SOUTH	2008	69.0
62	COLORADO BEND ENERGY CENTER CTG 4		CBEC_GT4	WHARTON	GAS	SOUTH	2008	63.0
63	COLORADO BEND ENERGY CENTER STG 2		CBEC_STG2	WHARTON	GAS	SOUTH	2008	103.0
64	COLORADO BEND II CT7		CBECII_CT7	WHARTON	GAS	SOUTH	2017	325.0
65	COLORADO BEND II CT8		CBECII_CT8	WHARTON	GAS	SOUTH	2017	325.0
66	COLORADO BEND II ST8		CBECII_STG9	WHARTON	GAS	SOUTH	2017	440.0
67	CVC CHANNELVIEW CTG 1		CVC_CVC_G1	HARRIS	GAS	HOUSTON	2008	169.0
68	CVC CHANNELVIEW CTG 2		CVC_CVC_G2	HARRIS	GAS	HOUSTON	2008	165.0
69	CVC CHANNELVIEW CTG 3		CVC_CVC_G3	HARRIS	GAS	HOUSTON	2008	165.0
70	CVC CHANNELVIEW STG 5		CVC_CVC_G5	HARRIS	GAS	HOUSTON	2008	144.0
71	DEER PARK ENERGY CENTER CTG 1		DDPEC_GT1	HARRIS	GAS	HOUSTON	2002	181.0
72	DEER PARK ENERGY CENTER CTG 2		DDPEC_GT2	HARRIS	GAS	HOUSTON	2002	193.0
73	DEER PARK ENERGY CENTER CTG 3		DDPEC_GT3	HARRIS	GAS	HOUSTON	2002	181.0
74	DEER PARK ENERGY CENTER CTG 4		DDPEC_GT4	HARRIS	GAS	HOUSTON	2002	193.0
75	DEER PARK ENERGY CENTER STG		DDPEC_ST1	HARRIS	GAS	HOUSTON	2002	290.0
76	DEER PARK ENERGY CENTER CTG 6		DDPEC_GT6	HARRIS	GAS	HOUSTON	2014	165.0
77	ENNIS POWER STATION CTG 2		ETCCS_CT1	ELLIS	GAS	NORTH	2002	196.0
78	ENNIS POWER STATION STG 1		ETCCS_UNIT1	ELLIS	GAS	NORTH	2002	116.0
79	FERGUSON REPLACEMENT CTG1		FERGCC_FERGGT1	LLANO	GAS	SOUTH	2014	169.0
80	FERGUSON REPLACEMENT CTG2		FERGCC_FERGGT2	LLANO	GAS	SOUTH	2014	169.0
81	FERGUSON REPLACEMENT STG		FERGCC_FERGST1	LLANO	GAS	SOUTH	2014	182.0
82	FORNEY ENERGY CENTER CTG 11		FRNYPP_GT11	KAUFMAN	GAS	NORTH	2003	169.0
83	FORNEY ENERGY CENTER CTG 12		FRNYPP_GT12	KAUFMAN	GAS	NORTH	2003	161.0
84	FORNEY ENERGY CENTER CTG 13		FRNYPP_GT13	KAUFMAN	GAS	NORTH	2003	161.0
85	FORNEY ENERGY CENTER CTG 21		FRNYPP_GT21	KAUFMAN	GAS	NORTH	2003	169.0
86	FORNEY ENERGY CENTER CTG 22		FRNYPP_GT22	KAUFMAN	GAS	NORTH	2003	161.0
87	FORNEY ENERGY CENTER CTG 23		FRNYPP_GT23	KAUFMAN	GAS	NORTH	2003	161.0
88	FORNEY ENERGY CENTER STG 10		FRNYPP_ST10	KAUFMAN	GAS	NORTH	2003	420.0
89	FORNEY ENERGY CENTER STG 20		FRNYPP_ST20	KAUFMAN	GAS	NORTH	2003	420.0
90	FREESTONE ENERGY CENTER CTG 1		FREC_GT1	FREESTONE	GAS	NORTH	2002	151.6
91	FREESTONE ENERGY CENTER CTG 2		FREC_GT2	FREESTONE	GAS	NORTH	2002	151.6
92	FREESTONE ENERGY CENTER STG 3		FREC_ST3	FREESTONE	GAS	NORTH	2002	176.2

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
93	FREESTONE ENERGY CENTER CTG 4		FREC_GT4	FREESTONE	GAS	NORTH	2002	151.7
94	FREESTONE ENERGY CENTER CTG 5		FREC_GT5	FREESTONE	GAS	NORTH	2002	151.7
95	FREESTONE ENERGY CENTER STG 6		FREC_ST6	FREESTONE	GAS	NORTH	2002	174.5
96	GREGORY POWER PARTNERS GT1		LGE_LGE_GT1	SAN PATRICIO	GAS	COASTAL	2000	145.0
97	GREGORY POWER PARTNERS GT2		LGE_LGE_GT2	SAN PATRICIO	GAS	COASTAL	2000	145.0
98	GREGORY POWER PARTNERS STG		LGE_LGE_STG	SAN PATRICIO	GAS	COASTAL	2000	75.0
99	GUADALUPE ENERGY CENTER CTG 1		GUADG_GAS1	GUADALUPE	GAS	SOUTH	2000	148.0
100	GUADALUPE ENERGY CENTER CTG 2		GUADG_GAS2	GUADALUPE	GAS	SOUTH	2000	148.0
101	GUADALUPE ENERGY CENTER CTG 3		GUADG_GAS3	GUADALUPE	GAS	SOUTH	2000	148.0
102	GUADALUPE ENERGY CENTER CTG 4		GUADG_GAS4	GUADALUPE	GAS	SOUTH	2000	148.0
103	GUADALUPE ENERGY CENTER STG 5		GUADG_STM5	GUADALUPE	GAS	SOUTH	2000	197.0
104	GUADALUPE ENERGY CENTER STG 6		GUADG_STM6	GUADALUPE	GAS	SOUTH	2000	197.0
105	HAYS ENERGY FACILITY CSG 1		HAYSEN_HAYSENG1	HAYS	GAS	SOUTH	2002	250.0
106	HAYS ENERGY FACILITY CSG 2		HAYSEN_HAYSENG2	HAYS	GAS	SOUTH	2002	250.0
107	HAYS ENERGY FACILITY CSG 3		HAYSEN_HAYSENG3	HAYS	GAS	SOUTH	2002	255.0
108	HAYS ENERGY FACILITY CSG 4		HAYSEN_HAYSENG4	HAYS	GAS	SOUTH	2002	255.0
109	HIDALGO ENERGY CENTER CTG 1		DUKE_DUKE_GT1	HIDALGO	GAS	SOUTH	2000	143.0
110	HIDALGO ENERGY CENTER CTG 2		DUKE_DUKE_GT2	HIDALGO	GAS	SOUTH	2000	143.0
111	HIDALGO ENERGY CENTER STG		DUKE_DUKE_ST1	HIDALGO	GAS	SOUTH	2000	172.0
112	JACK COUNTY GEN FACILITY CTG 1		JACKCNTY_CT1	JACK	GAS	NORTH	2006	155.0
113	JACK COUNTY GEN FACILITY CTG 2		JACKCNTY_CT2	JACK	GAS	NORTH	2006	155.0
114	JACK COUNTY GEN FACILITY STG 1		JACKCNTY_STG	JACK	GAS	NORTH	2006	295.0
115	JACK COUNTY GEN FACILITY CTG 3		JCKCNTY2_CT3	JACK	GAS	NORTH	2011	150.0
116	JACK COUNTY GEN FACILITY CTG 4		JCKCNTY2_CT4	JACK	GAS	NORTH	2011	150.0
117	JACK COUNTY GEN FACILITY STG 2		JCKCNTY2_ST2	JACK	GAS	NORTH	2011	295.0
118	JOHNSON COUNTY GEN FACILITY CTG		TEN_CT1	JOHNSON	GAS	NORTH	1997	163.0
119	JOHNSON COUNTY GEN FACILITY STG		TEN_STG	JOHNSON	GAS	NORTH	1997	106.0
120	LAMAR ENERGY CENTER CTG 11		LPCCS_CT11	LAMAR	GAS	NORTH	2000	163.0
121	LAMAR ENERGY CENTER CTG 12		LPCCS_CT12	LAMAR	GAS	NORTH	2000	153.0
122	LAMAR ENERGY CENTER CTG 21		LPCCS_CT21	LAMAR	GAS	NORTH	2000	153.0
123	LAMAR ENERGY CENTER CTG 22		LPCCS_CT22	LAMAR	GAS	NORTH	2000	163.0
124	LAMAR ENERGY CENTER STG 1		LPCCS_UNIT1	LAMAR	GAS	NORTH	2000	204.0
125	LAMAR ENERGY CENTER STG 2		LPCCS_UNIT2	LAMAR	GAS	NORTH	2000	204.0
126	LOST PINES POWER CTG 1		LOSTPI_LOSTPGT1	BASTROP	GAS	SOUTH	2001	170.0
127	LOST PINES POWER CTG 2		LOSTPI_LOSTPGT2	BASTROP	GAS	SOUTH	2001	170.0
128	LOST PINES POWER STG		LOSTPI_LOSTPST1	BASTROP	GAS	SOUTH	2001	188.0
129	MAGIC VALLEY STATION CTG 1		NEDIN_NEDIN_G1	HIDALGO	GAS	SOUTH	2001	208.6
130	MAGIC VALLEY STATION CTG 2		NEDIN_NEDIN_G2	HIDALGO	GAS	SOUTH	2001	208.6
131	MAGIC VALLEY STATION STG		NEDIN_NEDIN_G3	HIDALGO	GAS	SOUTH	2001	253.0
132	MIDLOTHIAN ENERGY FACILITY CS 1		MDANP_CT1	ELLIS	GAS	NORTH	2001	235.0
133	MIDLOTHIAN ENERGY FACILITY CS 2		MDANP_CT2	ELLIS	GAS	NORTH	2001	235.0
134	MIDLOTHIAN ENERGY FACILITY CS 3		MDANP_CT3	ELLIS	GAS	NORTH	2001	235.0
135	MIDLOTHIAN ENERGY FACILITY CS 4		MDANP_CT4	ELLIS	GAS	NORTH	2001	235.0
136	MIDLOTHIAN ENERGY FACILITY CS 5		MDANP_CT5	ELLIS	GAS	NORTH	2002	252.0
137	MIDLOTHIAN ENERGY FACILITY CS 6		MDANP_CT6	ELLIS	GAS	NORTH	2002	252.0
138	NUECES BAY REPOWER CTG 8		NUECES_B_NUECESG8	NUECES	GAS	COASTAL	2010	157.0
139	NUECES BAY REPOWER CTG 9		NUECES_B_NUECESG9	NUECES	GAS	COASTAL	2010	157.0
140	NUECES BAY REPOWER STG 7		NUECES_B_NUECESG7	NUECES	GAS	COASTAL	1972	319.0
141	ODESSA-ECTOR POWER CTG 11		OECCS_CT11	ECTOR	GAS	WEST	2001	149.0
142	ODESSA-ECTOR POWER CTG 12		OECCS_CT12	ECTOR	GAS	WEST	2001	143.0
143	ODESSA-ECTOR POWER CTG 21		OECCS_CT21	ECTOR	GAS	WEST	2001	145.3
144	ODESSA-ECTOR POWER CTG 22		OECCS_CT22	ECTOR	GAS	WEST	2001	143.7
145	ODESSA-ECTOR POWER STG 1		OECCS_UNIT1	ECTOR	GAS	WEST	2001	204.9
146	ODESSA-ECTOR POWER STG 2		OECCS_UNIT2	ECTOR	GAS	WEST	2001	204.9
147	PANDA SHERMAN POWER CTG1		PANDA_S_SHER1CT1	GRAYSON	GAS	NORTH	2014	196.0
148	PANDA SHERMAN POWER CTG2		PANDA_S_SHER1CT2	GRAYSON	GAS	NORTH	2014	195.0
149	PANDA SHERMAN POWER STG		PANDA_S_SHER1ST1	GRAYSON	GAS	NORTH	2014	326.0
150	PANDA TEMPLE I POWER CTG1		PANDA_T1_TMPL1CT1	BELL	GAS	NORTH	2014	195.0
151	PANDA TEMPLE I POWER CTG2		PANDA_T1_TMPL1CT2	BELL	GAS	NORTH	2014	195.0
152	PANDA TEMPLE I POWER STG		PANDA_T1_TMPL1ST1	BELL	GAS	NORTH	2014	312.0
153	PANDA TEMPLE II POWER CTG1		PANDA_T2_TMPL2CT1	BELL	GAS	NORTH	2015	191.2
154	PANDA TEMPLE II POWER CTG2		PANDA_T2_TMPL2CT2	BELL	GAS	NORTH	2015	191.2
155	PANDA TEMPLE II POWER STG		PANDA_T2_TMPL2ST1	BELL	GAS	NORTH	2015	334.7
156	PARIS ENERGY CENTER CTG 1		TNSKA_GT1	LAMAR	GAS	NORTH	1989	76.0
157	PARIS ENERGY CENTER CTG 2		TNSKA_GT2	LAMAR	GAS	NORTH	1989	76.0
158	PARIS ENERGY CENTER STG		TNSKA_STG	LAMAR	GAS	NORTH	1990	87.0
159	PASADENA COGEN FACILITY CTG 2		PSG_PSG_GT2	HARRIS	GAS	HOUSTON	2000	164.0
160	PASADENA COGEN FACILITY CTG 3		PSG_PSG_GT3	HARRIS	GAS	HOUSTON	2000	164.0
161	PASADENA COGEN FACILITY STG 2		PSG_PSG_ST2	HARRIS	GAS	HOUSTON	2000	167.0
162	QUAIL RUN ENERGY CTG 1		QALSW_GT1	ECTOR	GAS	WEST	2007	74.0
163	QUAIL RUN ENERGY CTG 2		QALSW_GT2	ECTOR	GAS	WEST	2007	74.0
164	QUAIL RUN ENERGY STG 1		QALSW_STG1	ECTOR	GAS	WEST	2007	98.0
165	QUAIL RUN ENERGY CTG 3		QALSW_GT3	ECTOR	GAS	WEST	2008	72.0
166	QUAIL RUN ENERGY CTG 4		QALSW_GT4	ECTOR	GAS	WEST	2008	72.0
167	QUAIL RUN ENERGY STG 2		QALSW_STG2	ECTOR	GAS	WEST	2008	98.0
168	RIO NOGALES POWER CTG 1		RIONOG_CT1	GUADALUPE	GAS	SOUTH	2002	154.0
169	RIO NOGALES POWER CTG 2		RIONOG_CT2	GUADALUPE	GAS	SOUTH	2002	154.0
170	RIO NOGALES POWER CTG 3		RIONOG_CT3	GUADALUPE	GAS	SOUTH	2002	154.0
171	RIO NOGALES POWER STG 4		RIONOG_ST1	GUADALUPE	GAS	SOUTH	2002	323.0
172	SAM RAYBURN POWER CTG 7		RAYBURN_RAYBURG7	VICTORIA	GAS	SOUTH	2003	50.0
173	SAM RAYBURN POWER CTG 8		RAYBURN_RAYBURG8	VICTORIA	GAS	SOUTH	2003	50.0
174	SAM RAYBURN POWER CTG 9		RAYBURN_RAYBURG9	VICTORIA	GAS	SOUTH	2003	50.0
175	SAM RAYBURN POWER STG 10		RAYBURN_RAYBURG10	VICTORIA	GAS	SOUTH	2003	40.0
176	SANDHILL ENERGY CENTER CTG 5A		SANDHSYD_SH_5A	TRAVIS	GAS	SOUTH	2004	150.0
177	SANDHILL ENERGY CENTER STG 5C		SANDHSYD_SH_5C	TRAVIS	GAS	SOUTH	2004	145.0
178	SILAS RAY POWER STG 6		SILASRAY_SILAS_6	CAMERON	GAS	COASTAL	1962	20.0
179	SILAS RAY POWER CTG 9		SILASRAY_SILAS_9	CAMERON	GAS	COASTAL	1996	38.0
180	T H WHARTON POWER CTG 31		THW_THWGT31	HARRIS	GAS	HOUSTON	1972	54.0
181	T H WHARTON POWER CTG 32		THW_THWGT32	HARRIS	GAS	HOUSTON	1972	54.0
182	T H WHARTON POWER CTG 33		THW_THWGT33	HARRIS	GAS	HOUSTON	1972	54.0
183	T H WHARTON POWER CTG 34		THW_THWGT34	HARRIS	GAS	HOUSTON	1972	54.0
184	T H WHARTON POWER STG 3		THW_THWST_3	HARRIS	GAS	HOUSTON	1974	110.0
185	T H WHARTON POWER CTG 41		THW_THWGT41	HARRIS	GAS	HOUSTON	1972	54.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
186	T H WHARTON POWER CTG 42		THW_THWGT42	HARRIS	GAS	HOUSTON	1972	54.0
187	T H WHARTON POWER CTG 43		THW_THWGT43	HARRIS	GAS	HOUSTON	1974	54.0
188	T H WHARTON POWER CTG 44		THW_THWGT44	HARRIS	GAS	HOUSTON	1974	54.0
189	T H WHARTON POWER STG 4		THW_THWST_4	HARRIS	GAS	HOUSTON	1974	110.0
190	TEXAS CITY POWER CTG A		TXCTY_CTA	GALVESTON	GAS	HOUSTON	2000	96.6
191	TEXAS CITY POWER CTG B		TXCTY_CTB	GALVESTON	GAS	HOUSTON	2000	96.6
192	TEXAS CITY POWER CTG C		TXCTY_CTC	GALVESTON	GAS	HOUSTON	2000	96.6
193	TEXAS CITY POWER STG		TXCTY_ST	GALVESTON	GAS	HOUSTON	2000	131.6
194	VICTORIA POWER CTG 6		VICTORIA_VICTORG6	VICTORIA	GAS	SOUTH	2009	160.0
195	VICTORIA POWER STG 5		VICTORIA_VICTORG5	VICTORIA	GAS	SOUTH	1963	125.0
196	WICHITA FALLS CTG 1		WFCOGEN_UNIT1	WICHITA	GAS	WEST	1987	20.0
197	WICHITA FALLS CTG 2		WFCOGEN_UNIT2	WICHITA	GAS	WEST	1987	20.0
198	WICHITA FALLS CTG 3		WFCOGEN_UNIT3	WICHITA	GAS	WEST	1987	20.0
199	WICHITA FALLS STG 4		WFCOGEN_UNIT4	WICHITA	GAS	WEST	1987	17.0
200	WISE-TRACTEBEL POWER CTG 1		WCPP_CT1	WISE	GAS	NORTH	2004	240.0
201	WISE-TRACTEBEL POWER CTG 2		WCPP_CT2	WISE	GAS	NORTH	2004	240.0
202	WISE-TRACTEBEL POWER STG 1		WCPP_ST1	WISE	GAS	NORTH	2004	260.0
203	WOLF HOLLOW POWER CTG 1		WHCCS_CT1	HOOD	GAS	NORTH	2002	212.5
204	WOLF HOLLOW POWER CTG 2		WHCCS_CT2	HOOD	GAS	NORTH	2002	212.5
205	WOLF HOLLOW POWER STG		WHCCS_STG	HOOD	GAS	NORTH	2002	280.0
206	WOLF HOLLOW 2 CT5		WHCCS2_CT4	HOOD	GAS	NORTH	2017	314.1
207	WOLF HOLLOW 2 CT6		WHCCS2_CT5	HOOD	GAS	NORTH	2017	317.9
208	WOLF HOLLOW 2 STG6		WHCCS2_STG6	HOOD	GAS	NORTH	2017	432.0
209	ATKINS CTG 7		ATKINS_ATKINSG7	BRAZOS	GAS	NORTH	1973	18.0
210	CASTLEMAN CHAMON 1		CHAMON_CTG_0101	HARRIS	GAS	HOUSTON	2017	44.0
211	CASTLEMAN CHAMON 2		CHAMON_CTG_0301	HARRIS	GAS	HOUSTON	2017	44.0
212	DANSBY CTG 2		DANSBY_DANSBYG2	BRAZOS	GAS	NORTH	2004	45.0
213	DANSBY CTG 3		DANSBY_DANSBYG3	BRAZOS	GAS	NORTH	2010	47.0
214	DECKER CREEK CTG 1		DECKER_DPGT_1	TRAVIS	GAS	SOUTH	1989	48.0
215	DECKER CREEK CTG 2		DECKER_DPGT_2	TRAVIS	GAS	SOUTH	1989	48.0
216	DECKER CREEK CTG 3		DECKER_DPGT_3	TRAVIS	GAS	SOUTH	1989	48.0
217	DECKER CREEK CTG 4		DECKER_DPGT_4	TRAVIS	GAS	SOUTH	1989	48.0
218	DECORDOVA CTG 1		DCSES_CT10	HOOD	GAS	NORTH	1990	71.0
219	DECORDOVA CTG 2		DCSES_CT20	HOOD	GAS	NORTH	1990	70.0
220	DECORDOVA CTG 3		DCSES_CT30	HOOD	GAS	NORTH	1990	69.0
221	DECORDOVA CTG 4		DCSES_CT40	HOOD	GAS	NORTH	1990	68.0
222	ECTOR COUNTY ENERGY CTG 1		ECEC_G1	ECTOR	GAS	WEST	2015	147.0
223	ECTOR COUNTY ENERGY CTG 2		ECEC_G2	ECTOR	GAS	WEST	2015	147.0
224	ELK STATION CTG 3		AEEC_ELK_3	HALE	GAS	PANHANDLE	2016	190.0
225	EXTEX LAPORTE GEN STN CTG 1		AZ_AZ_G1	HARRIS	GAS	HOUSTON	2009	38.0
226	EXTEX LAPORTE GEN STN CTG 2		AZ_AZ_G2	HARRIS	GAS	HOUSTON	2009	38.0
227	EXTEX LAPORTE GEN STN CTG 3		AZ_AZ_G3	HARRIS	GAS	HOUSTON	2009	38.0
228	EXTEX LAPORTE GEN STN CTG 4		AZ_AZ_G4	HARRIS	GAS	HOUSTON	2009	38.0
229	GREENS BAYOU CTG 73		GBY_GBYGT73	HARRIS	GAS	HOUSTON	1976	56.0
230	GREENS BAYOU CTG 74		GBY_GBYGT74	HARRIS	GAS	HOUSTON	1976	56.0
231	GREENS BAYOU CTG 81		GBY_GBYGT81	HARRIS	GAS	HOUSTON	1976	56.0
232	GREENS BAYOU CTG 82		GBY_GBYGT82	HARRIS	GAS	HOUSTON	1976	50.0
233	GREENS BAYOU CTG 83		GBY_GBYGT83	HARRIS	GAS	HOUSTON	1976	56.0
234	GREENS BAYOU CTG 84		GBY_GBYGT84	HARRIS	GAS	HOUSTON	1976	56.0
235	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_1	HUNT	GAS	NORTH	2010	8.2
236	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_2	HUNT	GAS	NORTH	2010	8.2
237	GREENVILLE IC ENGINE PLANT		STEAM_ENGINE_3	HUNT	GAS	NORTH	2010	8.2
238	LAREDO CTG 4		LARDVFTN_G4	WEBB	GAS	SOUTH	2008	90.1
239	LAREDO CTG 5		LARDVFTN_G5	WEBB	GAS	SOUTH	2008	87.3
240	LEON CREEK PEAKER CTG 1		LEON_CRK_LCPCT1	BEXAR	GAS	SOUTH	2004	46.0
241	LEON CREEK PEAKER CTG 2		LEON_CRK_LCPCT2	BEXAR	GAS	SOUTH	2004	46.0
242	LEON CREEK PEAKER CTG 3		LEON_CRK_LCPCT3	BEXAR	GAS	SOUTH	2004	44.0
243	LEON CREEK PEAKER CTG 4		LEON_CRK_LCPCT4	BEXAR	GAS	SOUTH	2004	46.0
244	MORGAN CREEK CTG 1		MGSES_CT1	MITCHELL	GAS	WEST	1988	68.0
245	MORGAN CREEK CTG 2		MGSES_CT2	MITCHELL	GAS	WEST	1988	68.0
246	MORGAN CREEK CTG 3		MGSES_CT3	MITCHELL	GAS	WEST	1988	68.0
247	MORGAN CREEK CTG 4		MGSES_CT4	MITCHELL	GAS	WEST	1988	68.0
248	MORGAN CREEK CTG 5		MGSES_CT5	MITCHELL	GAS	WEST	1988	68.0
249	MORGAN CREEK CTG 6		MGSES_CT6	MITCHELL	GAS	WEST	1988	67.0
250	PEARSALL IC ENGINE PLANT A		PEARSAL2_AGR_A	FRIO	GAS	SOUTH	2012	50.6
251	PEARSALL IC ENGINE PLANT B		PEARSAL2_AGR_B	FRIO	GAS	SOUTH	2012	50.6
252	PEARSALL IC ENGINE PLANT C		PEARSAL2_AGR_C	FRIO	GAS	SOUTH	2012	50.6
253	PEARSALL IC ENGINE PLANT D		PEARSAL2_AGR_D	FRIO	GAS	SOUTH	2012	50.6
254	PERMIAN BASIN CTG 1		PB2SES_CT1	WARD	GAS	WEST	1988	68.0
255	PERMIAN BASIN CTG 2		PB2SES_CT2	WARD	GAS	WEST	1988	65.0
256	PERMIAN BASIN CTG 3		PB2SES_CT3	WARD	GAS	WEST	1988	68.0
257	PERMIAN BASIN CTG 4		PB2SES_CT4	WARD	GAS	WEST	1990	69.0
258	PERMIAN BASIN CTG 5		PB2SES_CT5	WARD	GAS	WEST	1990	70.0
259	REDGATE A		REDGATE_AGR_A	HIDALGO	GAS	SOUTH	2016	56.3
260	REDGATE B		REDGATE_AGR_B	HIDALGO	GAS	SOUTH	2016	56.3
261	REDGATE C		REDGATE_AGR_C	HIDALGO	GAS	SOUTH	2016	56.3
262	REDGATE D		REDGATE_AGR_D	HIDALGO	GAS	SOUTH	2016	56.3
263	R W MILLER CTG 4		MIL_MILLERG4	PALO PINTO	GAS	NORTH	1994	100.0
264	R W MILLER CTG 5		MIL_MILLERG5	PALO PINTO	GAS	NORTH	1994	100.0
265	RAY OLINGER CTG 4		OLINGR_OLING_4	COLLIN	GAS	NORTH	2001	75.0
266	SAM RAYBURN CTG 1		RAYBURN_RAYBURG1	VICTORIA	GAS	SOUTH	1963	11.0
267	SAM RAYBURN CTG 2		RAYBURN_RAYBURG2	VICTORIA	GAS	SOUTH	1963	11.0
268	SAN JACINTO SES CTG 1		SJS_SJS_G1	HARRIS	GAS	HOUSTON	1995	80.0
269	SAN JACINTO SES CTG 2		SJS_SJS_G2	HARRIS	GAS	HOUSTON	1995	80.0
270	SANDHILL ENERGY CENTER CTG 1		SANDHSYD_SH1	TRAVIS	GAS	SOUTH	2001	47.0
271	SANDHILL ENERGY CENTER CTG 2		SANDHSYD_SH2	TRAVIS	GAS	SOUTH	2001	47.0
272	SANDHILL ENERGY CENTER CTG 3		SANDHSYD_SH3	TRAVIS	GAS	SOUTH	2001	47.0
273	SANDHILL ENERGY CENTER CTG 4		SANDHSYD_SH4	TRAVIS	GAS	SOUTH	2001	47.0
274	SANDHILL ENERGY CENTER CTG 6		SANDHSYD_SH6	TRAVIS	GAS	SOUTH	2010	47.0
275	SANDHILL ENERGY CENTER CTG 7		SANDHSYD_SH7	TRAVIS	GAS	SOUTH	2010	47.0
276	SILAS RAY CTG 10		SILASRAY_SILAS_10	CAMERON	GAS	COASTAL	2004	46.0
277	SKY GLOBAL POWER ONE A		SKY1_SKY1A	COLORADO	GAS	SOUTH	2016	26.7
278	SKY GLOBAL POWER ONE B		SKY1_SKY1B	COLORADO	GAS	SOUTH	2016	26.7

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
279	T H WHARTON CTG 51		THW_THWGT51	HARRIS	GAS	HOUSTON	1975	56.0
280	T H WHARTON CTG 52		THW_THWGT52	HARRIS	GAS	HOUSTON	1975	56.0
281	T H WHARTON CTG 53		THW_THWGT53	HARRIS	GAS	HOUSTON	1975	56.0
282	T H WHARTON CTG 54		THW_THWGT54	HARRIS	GAS	HOUSTON	1975	56.0
283	T H WHARTON CTG 55		THW_THWGT55	HARRIS	GAS	HOUSTON	1975	56.0
284	T H WHARTON CTG 56		THW_THWGT56	HARRIS	GAS	HOUSTON	1975	56.0
285	T H WHARTON CTG G1		THW_THWGT_1	HARRIS	GAS	HOUSTON	1967	13.0
286	TEXAS GULF SULPHUR		TGF_TGFGT_1	WHARTON	GAS	SOUTH	1985	79.0
287	V H BRAUNIG CTG 5		BRAUNIG_VHB6CT5	BEXAR	GAS	SOUTH	2009	48.0
288	V H BRAUNIG CTG 6		BRAUNIG_VHB6CT6	BEXAR	GAS	SOUTH	2009	48.0
289	V H BRAUNIG CTG 7		BRAUNIG_VHB6CT7	BEXAR	GAS	SOUTH	2009	48.0
290	V H BRAUNIG CTG 8		BRAUNIG_VHB6CT8	BEXAR	GAS	SOUTH	2009	47.0
291	W A PARISH CTG 1		WAP_WAPGT_1	FT. BEND	GAS	HOUSTON	1967	13.0
292	WINCHESTER POWER PARK CTG 1		WIPOPA_WPP_G1	FAYETTE	GAS	SOUTH	2009	44.0
293	WINCHESTER POWER PARK CTG 2		WIPOPA_WPP_G2	FAYETTE	GAS	SOUTH	2009	44.0
294	WINCHESTER POWER PARK CTG 3		WIPOPA_WPP_G3	FAYETTE	GAS	SOUTH	2009	44.0
295	WINCHESTER POWER PARK CTG 4		WIPOPA_WPP_G4	FAYETTE	GAS	SOUTH	2009	44.0
296	B M DAVIS STG U1		B_DAVIS_B_DAVIG1	NUECES	GAS	COASTAL	1974	300.0
297	CEDAR BAYOU STG U1		CBY_CBY_G1	CHAMBERS	GAS	HOUSTON	1970	745.0
298	CEDAR BAYOU STG U2		CBY_CBY_G2	CHAMBERS	GAS	HOUSTON	1972	749.0
299	DANSBY STG U1		DANSBY_DANSBYG1	BRAZOS	GAS	NORTH	1978	107.0
300	DECKER CREEK STG U1		DECKER_DPG1	TRAVIS	GAS	SOUTH	1971	315.0
301	DECKER CREEK STG U2		DECKER_DPG2	TRAVIS	GAS	SOUTH	1978	420.0
302	GRAHAM STG U1		GRSES_UNIT1	YOUNG	GAS	WEST	1960	234.0
303	GRAHAM STG U2		GRSES_UNIT2	YOUNG	GAS	WEST	1969	390.0
304	HANDLEY STG U3		HLSES_UNIT3	TARRANT	GAS	NORTH	1963	395.0
305	HANDLEY STG U4		HLSES_UNIT4	TARRANT	GAS	NORTH	1976	435.0
306	HANDLEY STG U5		HLSES_UNIT5	TARRANT	GAS	NORTH	1977	435.0
307	LAKE HUBBARD STG U1		LHSES_UNIT1	DALLAS	GAS	NORTH	1970	392.0
308	LAKE HUBBARD STG U2		LHSES_UNIT2A	DALLAS	GAS	NORTH	1973	523.0
309	MOUNTAIN CREEK STG U6		MCSES_UNIT6	DALLAS	GAS	NORTH	1956	122.0
310	MOUNTAIN CREEK STG U7		MCSES_UNIT7	DALLAS	GAS	NORTH	1958	118.0
311	MOUNTAIN CREEK STG U8		MCSES_UNIT8	DALLAS	GAS	NORTH	1967	568.0
312	O W SOMMERS STG U1		CALAVERS_OWS1	BEXAR	GAS	SOUTH	1972	420.0
313	O W SOMMERS STG U2		CALAVERS_OWS2	BEXAR	GAS	SOUTH	1974	410.0
314	POWERLANE PLANT STG U1		STEAM1A_STEAM_1	HUNT	GAS	NORTH	1966	20.0
315	POWERLANE PLANT STG U2		STEAM_STEAM_2	HUNT	GAS	NORTH	1967	24.0
316	POWERLANE PLANT STG U3		STEAM_STEAM_3	HUNT	GAS	NORTH	1978	41.0
317	R W MILLER STG U1		MIL_MILLERG1	PALO PINTO	GAS	NORTH	1968	70.0
318	R W MILLER STG U2		MIL_MILLERG2	PALO PINTO	GAS	NORTH	1972	118.0
319	R W MILLER STG U3		MIL_MILLERG3	PALO PINTO	GAS	NORTH	1975	208.0
320	RAY OLINGER STG U1		OLINGR_OLING_1	COLLIN	GAS	NORTH	1967	78.0
321	RAY OLINGER STG U2		OLINGR_OLING_2	COLLIN	GAS	NORTH	1971	107.0
322	RAY OLINGER STG U3		OLINGR_OLING_3	COLLIN	GAS	NORTH	1975	146.0
323	SIM GIDEON STG U1		GIDEON_GIDEONG1	BASTROP	GAS	SOUTH	1965	130.0
324	SIM GIDEON STG U2		GIDEON_GIDEONG2	BASTROP	GAS	SOUTH	1968	135.0
325	SIM GIDEON STG U3		GIDEON_GIDEONG3	BASTROP	GAS	SOUTH	1972	336.0
326	SPENCER STG U4		SPNCER_SPNCE_4	DENTON	GAS	NORTH	1966	57.0
327	SPENCER STG U5		SPNCER_SPNCE_5	DENTON	GAS	NORTH	1973	61.0
328	STRYKER CREEK STG U1		SCSES_UNIT1A	CHEROKEE	GAS	NORTH	1958	167.0
329	STRYKER CREEK STG U2		SCSES_UNIT2	CHEROKEE	GAS	NORTH	1965	502.0
330	TRINIDAD STG U6		TRSES_UNIT6	HENDERSON	GAS	NORTH	1965	235.0
331	V H BRAUNIG STG U1		BRAUNIG_VHB1	BEXAR	GAS	SOUTH	1966	217.0
332	V H BRAUNIG STG U2		BRAUNIG_VHB2	BEXAR	GAS	SOUTH	1968	230.0
333	V H BRAUNIG STG U3		BRAUNIG_VHB3	BEXAR	GAS	SOUTH	1970	412.0
334	W A PARISH STG U1		WAP_WAP_G1	FT. BEND	GAS	HOUSTON	1958	169.0
335	W A PARISH STG U2		WAP_WAP_G2	FT. BEND	GAS	HOUSTON	1958	169.0
336	W A PARISH STG U3		WAP_WAP_G3	FT. BEND	GAS	HOUSTON	1961	240.0
337	W A PARISH STG U4		WAP_WAP_G4	FT. BEND	GAS	HOUSTON	1968	527.0
338	NACOGDOCHES POWER		NACPW_UNIT1	NACOGDOCHES	BIOMASS	NORTH	2012	105.0
339	BIOENERGY AUSTIN WALZEM RD LFG		DG_WALZE_4UNITS	BEXAR	BIOMASS	SOUTH	2002	9.8
340	BIOENERGY TEXAS COVEL GARDENS LFG		DG_MEDIN_1UNIT	BEXAR	BIOMASS	SOUTH	2005	9.6
341	FORT WORTH METHANE LFG		DG_RDLML_1UNIT	TARRANT	BIOMASS	NORTH	2011	1.6
342	GRAND PRAIRIE LFG		DG_TRIRA_1UNIT	DALLAS	BIOMASS	NORTH	2015	4.0
343	MCKINNEY LFG		DG_MKNSW_2UNITS	COLLIN	BIOMASS	NORTH	2011	3.2
344	NELSON GARDENS LFG		DG_78252_4UNITS	BEXAR	BIOMASS	SOUTH	2013	4.2
345	SKYLINE LFG		DG_FERIS_4 UNITS	DALLAS	BIOMASS	NORTH	2007	6.4
346	TRINITY OAKS LFG		DG_KLBRG_1UNIT	DALLAS	BIOMASS	NORTH	2011	3.2
347	VIRIDIS ENERGY-ALVIN LFG		DG_AV_DG1	GALVESTON	BIOMASS	HOUSTON	2002	6.7
348	VIRIDIS ENERGY-HUMBLE LFG		DG_HB_DG1	HARRIS	BIOMASS	HOUSTON	2002	10.0
349	VIRIDIS ENERGY-LIBERTY LFG		DG_LB_DG1	HARRIS	BIOMASS	HOUSTON	2002	3.9
350	VIRIDIS ENERGY-TRINITY BAY LFG		DG_TRN_DG1	CHAMBERS	BIOMASS	HOUSTON	2002	3.9
351	WM RENEWABLE-AUSTIN LFG		DG_SPRIN_4UNITS	TRAVIS	BIOMASS	SOUTH	2007	6.4
352	WM RENEWABLE-DFW GAS RECOVERY LFG		DG_BIO2_4UNITS	DENTON	BIOMASS	NORTH	2009	6.4
353	WM RENEWABLE-BIOENERGY PARTNERS LFG		DG_BIOE_2UNITS	DENTON	BIOMASS	NORTH	1988	6.2
354	WM RENEWABLE-MESQUITE CREEK LFG		DG_FREIH_2UNITS	COMAL	BIOMASS	SOUTH	2011	3.2
355	WM RENEWABLE-WESTSIDE LFG		DG_WSTHL_3UNITS	PARKER	BIOMASS	NORTH	2010	4.8
356	BLUE SUMMIT BATTERY		BLSUMMIT_BATTERY	WILBARGER	STORAGE	WEST	2017	-
357	INADALE ESS		INDL_ESS	NOLAN	STORAGE	WEST	2018	-
358	NOTREES BATTERY FACILITY		NWF_NBS	WINKLER	STORAGE	WEST	2012	-
359	PYRON ESS		PYR_ESS	SCURRY	STORAGE	WEST	2018	-
360	OCI ALAMO 1		DG_OCI_ALM1_ASTRO1	BEXAR	STORAGE	SOUTH	2016	-
361	TOS BATTERY STORAGE		DG_TOSBATT_UNIT1	MIDLAND	STORAGE	WEST	2017	-
362	FARMERS BRANCH LANDFILL GAS TO ENERGY		DG_HBR_2UNITS	DENTON	BIOMASS	NORTH	2011	3.2
363	**Operational Capacity Total (Nuclear, Coal, Gas, Biomass)**							**66,009.8**
364								
365	**Operational Resources (Hydro)**							
366	AMISTAD HYDRO 1		AMISTAD_AMISTAG1	VAL VERDE	HYDRO	WEST	1983	37.9
367	AMISTAD HYDRO 2		AMISTAD_AMISTAG2	VAL VERDE	HYDRO	WEST	1983	37.9
368	AUSTIN HYDRO 1		AUSTPL_AUSTING1	TRAVIS	HYDRO	SOUTH	1940	8.0
369	AUSTIN HYDRO 2		AUSTPL_AUSTING2	TRAVIS	HYDRO	SOUTH	1940	9.0
370	BUCHANAN HYDRO 1		BUCHAN_BUCHANG1	LLANO	HYDRO	SOUTH	1938	16.0
371	BUCHANAN HYDRO 2		BUCHAN_BUCHANG2	LLANO	HYDRO	SOUTH	1938	16.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
372	BUCHANAN HYDRO 3		BUCHAN_BUCHANG3	LLANO	HYDRO	SOUTH	1950	17.0
373	DENISON DAM 1		DNDAM_DENISOG1	GRAYSON	HYDRO	NORTH	1944	40.0
374	DENISON DAM 2		DNDAM_DENISOG2	GRAYSON	HYDRO	NORTH	1948	40.0
375	FALCON HYDRO 1		FALCON_FALCONG1	STARR	HYDRO	SOUTH	1954	12.0
376	FALCON HYDRO 2		FALCON_FALCONG2	STARR	HYDRO	SOUTH	1954	12.0
377	FALCON HYDRO 3		FALCON_FALCONG3	STARR	HYDRO	SOUTH	1954	12.0
378	GRANITE SHOALS HYDRO 1		WIRTZ_WIRTZ_G1	BURNET	HYDRO	SOUTH	1951	29.0
379	GRANITE SHOALS HYDRO 2		WIRTZ_WIRTZ_G2	BURNET	HYDRO	SOUTH	1951	29.0
380	INKS HYDRO 1		INKSDA_INKS_G1	LLANO	HYDRO	SOUTH	1938	14.0
381	MARBLE FALLS HYDRO 1		MARBFA_MARBFAG1	BURNET	HYDRO	SOUTH	1951	21.0
382	MARBLE FALLS HYDRO 2		MARBFA_MARBFAG2	BURNET	HYDRO	SOUTH	1951	20.0
383	MARSHALL FORD HYDRO 1		MARSFO_MARSFOG1	TRAVIS	HYDRO	SOUTH	1941	36.0
384	MARSHALL FORD HYDRO 2		MARSFO_MARSFOG2	TRAVIS	HYDRO	SOUTH	1941	36.0
385	MARSHALL FORD HYDRO 3		MARSFO_MARSFOG3	TRAVIS	HYDRO	SOUTH	1941	29.0
386	WHITNEY DAM HYDRO		WND_WHITNEY1	BOSQUE	HYDRO	NORTH	1953	24.0
387	WHITNEY DAM HYDRO 2		WND_WHITNEY2	BOSQUE	HYDRO	NORTH	1953	24.0
388	ARLINGTON OUTLET HYDROELECTRIC FACILITY		DG_OAKHL_1UNIT	TARRANT	HYDRO	NORTH	2014	1.4
389	EAGLE PASS HYDRO		DG_EAGLE_HY_EAGLE_HY1	MAVERICK	HYDRO	SOUTH	2005	9.6
390	GUADALUPE BLANCO RIVER AUTH-CANYON		DG_CANYHY_CANYHYG1	COMAL	HYDRO	SOUTH	1989	6.0
391	GUADALUPE BLANCO RIVER AUTH-LAKEWOOD TAP		DG_LKWDT_2UNITS	GONZALES	HYDRO	SOUTH	1931	4.8
392	GUADALUPE BLANCO RIVER AUTH-MCQUEENEY		DG_MCQUE_5UNITS	GUADALUPE	HYDRO	SOUTH	1928	7.7
393	GUADALUPE BLANCO RIVER AUTH-SCHUMANSVILLE		DG_SCHUM_2UNITS	GUADALUPE	HYDRO	SOUTH	1928	3.6
394	LEWISVILLE HYDRO-CITY OF GARLAND		DG_LWSVL_1UNIT	DENTON	HYDRO	NORTH	1991	2.2
395	**Operational Capacity Total (Hydro)**							**555.1**
396	Hydro Capacity Contribution (Top 20 Hours)		HYDRO_CAP_CONT					466.9
397								
398	Operational Capacity Unavailable due to Extended Outage or Derate		OPERATION_UNAVAIL					(365.0)
399	Operational Capacity Total (Including Hydro)		OPERATION_TOTAL					66,111.7
400								
401	**Operational Resources (Switchable)**							
402	ANTELOPE IC 1		AEEC_ANTLP_1	HALE	GAS	PANHANDLE	2016	54.6
403	ANTELOPE IC 2		AEEC_ANTLP_2	HALE	GAS	PANHANDLE	2016	54.6
404	ANTELOPE IC 3		AEEC_ANTLP_3	HALE	GAS	PANHANDLE	2016	54.6
405	ELK STATION CTG 1		AEEC_ELK_1	HALE	GAS	PANHANDLE	2016	190.0
406	ELK STATION CTG 2		AEEC_ELK_2	HALE	GAS	PANHANDLE	2016	190.0
407	TENASKA KIAMICHI STATION 1CT101		KMCHI_1CT101	FANNIN	GAS	NORTH	2003	153.0
408	TENASKA KIAMICHI STATION 1CT201		KMCHI_1CT201	FANNIN	GAS	NORTH	2003	155.0
409	TENASKA KIAMICHI STATION 1ST		KMCHI_1ST	FANNIN	GAS	NORTH	2003	315.0
410	TENASKA KIAMICHI STATION 2CT101		KMCHI_2CT101	FANNIN	GAS	NORTH	2003	153.0
411	TENASKA KIAMICHI STATION 2CT201		KMCHI_2CT201	FANNIN	GAS	NORTH	2003	155.0
412	TENASKA KIAMICHI STATION 2ST		KMCHI_2ST	FANNIN	GAS	NORTH	2003	315.0
413	TENASKA FRONTIER STATION CTG 1		FTR_FTR_G1	GRIMES	GAS	NORTH	2000	160.0
414	TENASKA FRONTIER STATION CTG 2		FTR_FTR_G2	GRIMES	GAS	NORTH	2000	160.0
415	TENASKA FRONTIER STATION CTG 3		FTR_FTR_G3	GRIMES	GAS	NORTH	2000	160.0
416	TENASKA FRONTIER STATION STG 4		FTR_FTR_G4	GRIMES	GAS	NORTH	2000	400.0
417	TENASKA GATEWAY STATION CTG 1		TGCCS_CT1	RUSK	GAS	NORTH	2001	156.0
418	TENASKA GATEWAY STATION CTG 2		TGCCS_CT2	RUSK	GAS	NORTH	2001	135.0
419	TENASKA GATEWAY STATION CTG 3		TGCCS_CT3	RUSK	GAS	NORTH	2001	153.0
420	TENASKA GATEWAY STATION STG 4		TGCCS_UNIT4	RUSK	GAS	NORTH	2001	402.0
421	**Switchable Capacity Total**							**3,515.8**
422								
423	**Switchable Capacity Unavailable to ERCOT**							
424	ANTELOPE IC 1		AEEC_ANTLP_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
425	ANTELOPE IC 2		AEEC_ANTLP_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(54.6)
426	ANTELOPE IC 3		AEEC_ANTLP_3_UNAVAIL	HALE	GAS	PANHANDLE	2017	-
427	ELK STATION CTG 1		AEEC_ELK_1_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
428	ELK STATION CTG 2		AEEC_ELK_2_UNAVAIL	HALE	GAS	PANHANDLE	2017	(190.0)
429	TENASKA FRONTIER STATION		FTR_FTR_UNAVAIL	FANNIN	GAS	NORTH	2016	(300.0)
430	Switchable Capacity Unavailable to ERCOT		SWITCH_UNAVAIL					(789.2)
431								
432	Available Mothball Capacity based on Owner's Return Probability		MOTH_AVAIL		GAS			-
433								
434	Private-Use Network Capacity Contribution (Top 20 Hours)		PUN_CAP_CONT		GAS			3,108.0
435	Private-Use Network Forecast Adjustment (per Protocol 10.3.2.4)		PUN_CAP_ADJUST		GAS			190.0
436								
437	**Operational Resources (Wind)**							
438	ANACACHO WIND		ANACACHO_ANA	KINNEY	WIND	SOUTH	2012	99.8
439	BARTON CHAPEL WIND		BRTSW_BCW1	JACK	WIND	NORTH	2007	120.0
440	BLUE SUMMIT WIND 5		BLSUMMIT_BLSMT1_5	WILBARGER	WIND	WEST	2013	9.0
441	BLUE SUMMIT WIND 6		BLSUMMIT_BLSMT1_6	WILBARGER	WIND	WEST	2013	126.4
442	BOBCAT BLUFF WIND		BCATWIND_WIND_1	ARCHER	WIND	WEST	2012	150.0
443	BRISCOE WIND		BRISCOE_WIND	BRISCOE	WIND	PANHANDLE	2015	149.8
444	BUCKTHORN WIND 1 A		BUCKTHRN_UNIT1	ERATH	WIND	NORTH	2017	44.9
445	BUCKTHORN WIND 1 B		BUCKTHRN_UNIT2	ERATH	WIND	NORTH	2017	55.7
446	BUFFALO GAP WIND 1		BUFF_GAP_UNIT1	TAYLOR	WIND	WEST	2006	120.6
447	BUFFALO GAP WIND 2_1		BUFF_GAP_UNIT2_1	TAYLOR	WIND	WEST	2007	115.5
448	BUFFALO GAP WIND 2_2		BUFF_GAP_UNIT2_2	TAYLOR	WIND	WEST	2007	117.0
449	BUFFALO GAP WIND 3		BUFF_GAP_UNIT3	TAYLOR	WIND	WEST	2008	170.2
450	BULL CREEK WIND U1		BULLCRK_WND1	BORDEN	WIND	WEST	2009	88.0
451	BULL CREEK WIND U2		BULLCRK_WND2	BORDEN	WIND	WEST	2009	90.0
452	CALLAHAN WIND		CALLAHAN_WND1	CALLAHAN	WIND	WEST	2004	114.0
453	CAMP SPRINGS WIND 1		CSEC_CSECG1	SCURRY	WIND	WEST	2007	130.5
454	CAMP SPRINGS WIND 2		CSEC_CSECG2	SCURRY	WIND	WEST	2007	120.0
455	CAPRICORN RIDGE WIND 1		CAPRIDGE_CR1	STERLING	WIND	WEST	2007	214.5
456	CAPRICORN RIDGE WIND 2		CAPRIDGE_CR3	STERLING	WIND	WEST	2008	186.0
457	CAPRICORN RIDGE WIND 3		CAPRIDGE_CR2	STERLING	WIND	WEST	2007	149.5
458	CAPRICORN RIDGE WIND 4		CAPRIDG4_CR4	COKE	WIND	WEST	2008	112.5
459	CEDRO HILL WIND 1		CEDROHIL_CHW1	WEBB	WIND	SOUTH	2010	75.0
460	CEDRO HILL WIND 2		CEDROHIL_CHW2	WEBB	WIND	SOUTH	2010	75.0
461	CHAMPION WIND		CHAMPION_UNIT1	NOLAN	WIND	WEST	2008	126.5
462	COTTON PLAINS WIND		COTPLNS_COTTONPL	FLOYD COUNTY	WIND	PANHANDLE	2017	50.4
463	DERMOTT WIND 1_1		DERMOTT_UNIT1	SCURRY	WIND	WEST	2017	126.5
464	DERMOTT WIND 1_2		DERMOTT_UNIT2	SCURRY	WIND	WEST	2017	126.5

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
465	DESERT SKY WIND 1		INDNENR_INDNENR	PECOS	WIND	WEST	2002	84.0
466	DESERT SKY WIND 2		INDNENR_INDNENR_2	PECOS	WIND	WEST	2002	76.5
467	DOUG COLBECK'S CORNER (CONWAY) A		GRANDVW1_COLA	CARSON	WIND	PANHANDLE	2016	100.2
468	DOUG COLBECK'S CORNER (CONWAY) B		GRANDVW1_COLB	CARSON	WIND	PANHANDLE	2016	100.2
469	ELBOW CREEK WIND		ELB_ELBCREEK	HOWARD	WIND	WEST	2008	118.7
470	ELECTRA WIND 1		DIGBY_UNIT1	WILBARGER	WIND	WEST	2017	98.9
471	ELECTRA WIND 2		DIGBY_UNIT2	WILBARGER	WIND	WEST	2017	131.1
472	FALVEZ ASTRA WIND		ASTRA_UNIT1	RANDALL	WIND	PANHANDLE	2017	163.2
473	FLUVANNA RENEWABLE 1 A		FLUVANNA_UNIT1	SCURRY	WIND	WEST	2017	79.8
474	FLUVANNA RENEWABLE 1 B		FLUVANNA_UNIT2	SCURRY	WIND	WEST	2017	75.6
475	FOREST CREEK WIND		MCDLD_FCW1	GLASSCOCK	WIND	WEST	2007	124.2
476	GOAT WIND		GOAT_GOATWIND	STERLING	WIND	WEST	2008	80.0
477	GOAT WIND 2		GOAT_GOATWIN2	STERLING	WIND	WEST	2010	69.6
478	GOLDTHWAITE WIND 1		GWEC_GWEC_G1	MILLS	WIND	NORTH	2014	148.6
479	GRANDVIEW WIND 1 (CONWAY) GV1A		GRANDVW1_GV1A	CARSON	WIND	PANHANDLE	2014	107.4
480	GRANDVIEW WIND 1 (CONWAY) GV1B		GRANDVW1_GV1B	CARSON	WIND	PANHANDLE	2014	103.8
481	GREEN MOUNTAIN WIND (BRAZOS) U1		BRAZ_WND_WND1	SCURRY	WIND	WEST	2003	99.0
482	GREEN MOUNTAIN WIND (BRAZOS) U2		BRAZ_WND_WND2	SCURRY	WIND	WEST	2003	61.0
483	GREEN PASTURES WIND I		GPASTURE_WIND_I	BAYLOR	WIND	WEST	2015	150.0
484	VERTIGO WIND (FORMERLY GREEN PASTURES WIND 2)		VERTIGO_WIND_I	BAYLOR	WIND	WEST	2015	150.0
485	GUNSIGHT MOUNTAIN WIND		GUNMTN_G1	HOWARD	WIND	WEST	2016	119.9
486	HACKBERRY WIND		HWF_HWFG1	SHACKELFORD	WIND	WEST	2008	163.5
487	HEREFORD WIND G		HRFDWIND_WIND_G	DEAF SMITH	WIND	PANHANDLE	2015	99.9
488	HEREFORD WIND V		HRFDWIND_WIND_V	DEAF SMITH	WIND	PANHANDLE	2015	100.0
489	HIDALGO & STARR WIND 11		MIRASOLE_MIR11	HIDALGO	WIND	SOUTH	2016	52.0
490	HIDALGO & STARR WIND 12		MIRASOLE_MIR12	HIDALGO	WIND	SOUTH	2016	98.0
491	HIDALGO & STARR WIND 21		MIRASOLE_MIR21	HIDALGO	WIND	SOUTH	2016	100.0
492	HORSE CREEK WIND 1		HORSECRK_UNIT1	HASKELL	WIND	WEST	2017	131.1
493	HORSE CREEK WIND 2		HORSECRK_UNIT2	HASKELL	WIND	WEST	2017	98.9
494	HORSE HOLLOW WIND 1		H_HOLLOW_WND1	TAYLOR	WIND	WEST	2005	206.6
495	HORSE HOLLOW WIND 2		HHOLLOW2_WIND1	TAYLOR	WIND	WEST	2006	158.0
496	HORSE HOLLOW WIND 3		HHOLLOW3_WND_1	TAYLOR	WIND	WEST	2006	223.5
497	HORSE HOLLOW WIND 4		HHOLLOW4_WND1	TAYLOR	WIND	WEST	2006	115.0
498	INADALE WIND 1		INDL_INADALE1	NOLAN	WIND	WEST	2008	95.0
499	INADALE WIND 2		INDL_INADALE2	NOLAN	WIND	WEST	2008	102.0
500	INDIAN MESA WIND		INDNNWP_INDNNWP	PECOS	WIND	WEST	2001	82.5
501	JAVELINA I WIND 18		BORDAS_JAVEL18	WEBB	WIND	SOUTH	2015	19.7
502	JAVELINA I WIND 20		BORDAS_JAVEL20	WEBB	WIND	SOUTH	2015	230.0
503	JAVELINA II WIND 1		BORDAS2_JAVEL2_A	WEBB	WIND	SOUTH	2017	96.0
504	JAVELINA II WIND 2		BORDAS2_JAVEL2_B	WEBB	WIND	SOUTH	2017	74.0
505	JAVELINA II WIND 3		BORDAS2_JAVEL2_C	WEBB	WIND	SOUTH	2017	30.0
506	JUMBO ROAD WIND 1		HRFDWIND_JRDWIND1	DEAF SMITH	WIND	PANHANDLE	2015	146.2
507	JUMBO ROAD WIND 2		HRFDWIND_JRDWIND2	DEAF SMITH	WIND	PANHANDLE	2015	153.6
508	KEECHI WIND 138 KV JOPLIN		KEECHI_U1	JACK	WIND	NORTH	2015	110.0
509	KING MOUNTAIN WIND (NE)		KING_NE_KINGNE	UPTON	WIND	WEST	2001	79.3
510	KING MOUNTAIN WIND (NW)		KING_NW_KINGNW	UPTON	WIND	WEST	2001	79.3
511	KING MOUNTAIN WIND (SE)		KING_SE_KINGSE	UPTON	WIND	WEST	2001	40.3
512	KING MOUNTAIN WIND (SW)		KING_SW_KINGSW	UPTON	WIND	WEST	2001	79.3
513	LANGFORD WIND POWER		LGD_LANGFORD	TOM GREEN	WIND	WEST	2009	155.0
514	LOGANS GAP WIND I U1		LGW_UNIT1	COMANCHE	WIND	NORTH	2015	103.8
515	LOGANS GAP WIND I U2		LGW_UNIT2	COMANCHE	WIND	NORTH	2015	106.3
516	LONE STAR WIND 1 (MESQUITE)		LNCRK_G83	SHACKELFORD	WIND	WEST	2006	200.0
517	LONE STAR WIND 2 (POST OAK) U1		LNCRK2_G871	SHACKELFORD	WIND	WEST	2007	100.0
518	LONE STAR WIND 2 (POST OAK) U2		LNCRK2_G872	SHACKELFORD	WIND	WEST	2007	100.0
519	LONGHORN WIND NORTH U1		LHORN_N_UNIT1	FLOYD	WIND	PANHANDLE	2015	100.0
520	LONGHORN WIND NORTH U2		LHORN_N_UNIT2	FLOYD	WIND	PANHANDLE	2015	100.0
521	LORAINE WINDPARK I		LONEWOLF_G1	MITCHELL	WIND	WEST	2010	49.5
522	LORAINE WINDPARK II		LONEWOLF_G2	MITCHELL	WIND	WEST	2010	51.0
523	LORAINE WINDPARK III		LONEWOLF_G3	MITCHELL	WIND	WEST	2011	25.5
524	LORAINE WINDPARK IV		LONEWOLF_G4	MITCHELL	WIND	WEST	2011	24.0
525	LOS VIENTOS III WIND		LV3_UNIT_1	STARR	WIND	SOUTH	2015	200.0
526	LOS VIENTOS IV WIND		LV4_UNIT_1	STARR	WIND	SOUTH	2016	200.0
527	LOS VIENTOS V WIND		LV5_UNIT_1	STARR	WIND	SOUTH	2016	110.0
528	MARIAH DEL NORTE 1		MARIAH_NORTE1	PARMER	WIND	PANHANDLE	2017	115.2
529	MARIAH DEL NORTE 2		MARIAH_NORTE2	PARMER	WIND	PANHANDLE	2017	115.2
530	MESQUITE CREEK WIND 1		MESQCRK_WND1	DAWSON	WIND	WEST	2015	105.6
531	MESQUITE CREEK WIND 2		MESQCRK_WND2	DAWSON	WIND	WEST	2015	105.6
532	MIAMI WIND G1		MIAM1_G1	GRAY	WIND	PANHANDLE	2014	144.3
533	MIAMI WIND G2		MIAM1_G2	GRAY	WIND	PANHANDLE	2014	144.3
534	MCADOO WIND		MWEC_G1	DICKENS	WIND	PANHANDLE	2008	150.0
535	NIELS BOHR WIND A (BEARKAT WIND A)		NBOHR_UNIT1	GLASSCOCK	WIND	WEST	2018	196.6
536	NOTREES WIND 1		NWF_NWF1	WINKLER	WIND	WEST	2009	92.6
537	NOTREES WIND 2		NWF_NWF2	WINKLER	WIND	WEST	2009	60.0
538	OCOTILLO WIND		OWF_OWF	HOWARD	WIND	WEST	2008	58.8
539	OLD SETTLER WIND		COTPLNS_OLDSETLR	FLOYD COUNTY	WIND	PANHANDLE	2017	151.2
540	PANHANDLE WIND 1 U1		PH1_UNIT1	CARSON	WIND	PANHANDLE	2014	109.2
541	PANHANDLE WIND 1 U2		PH1_UNIT2	CARSON	WIND	PANHANDLE	2014	109.2
542	PANHANDLE WIND 2 U1		PH2_UNIT1	CARSON	WIND	PANHANDLE	2014	94.2
543	PANHANDLE WIND 2 U2		PH2_UNIT2	CARSON	WIND	PANHANDLE	2014	96.6
544	PANTHER CREEK WIND 1		PC_NORTH_PANTHER1	HOWARD	WIND	WEST	2008	142.5
545	PANTHER CREEK WIND 2		PC_SOUTH_PANTHER2	HOWARD	WIND	WEST	2008	115.5
546	PANTHER CREEK WIND 3		PC_SOUTH_PANTHER3	HOWARD	WIND	WEST	2009	199.5
547	PECOS WIND 1 (WOODWARD)		WOODWRD1_WOODWRD1	PECOS	WIND	WEST	2001	82.5
548	PECOS WIND 2 (WOODWARD)		WOODWRD2_WOODWRD2	PECOS	WIND	WEST	2001	77.2
549	PYRON WIND 1		PYR_PYRON1	SCURRY	WIND	WEST	2008	121.5
550	PYRON WIND 2		PYR_PYRON2	SCURRY AND FISH	WIND	WEST	2008	127.5
551	RATTLESNAKE DEN WIND PHASE 1 G1		RSNAKE_G1	GLASSCOCK	WIND	WEST	2015	104.3
552	RATTLESNAKE DEN WIND PHASE 1 G2		RSNAKE_G2	GLASSCOCK	WIND	WEST	2015	103.0
553	RED CANYON WIND		RDCANYON_RDCNY1	BORDEN	WIND	WEST	2006	84.0
554	ROCK SPRINGS VAL VERDE WIND (FERMI) 1		FERMI_WIND1	VAL VERDE	WIND	WEST	2017	121.9
555	ROCK SPRINGS VAL VERDE WIND (FERMI) 2		FERMI_WIND2	VAL VERDE	WIND	WEST	2017	27.4
556	ROSCOE WIND		TKWSW1_ROSCOE	NOLAN	WIND	WEST	2008	114.0
557	ROSCOE WIND 2A		TKWSW1_ROSCOE2A	NOLAN	WIND	WEST	2008	95.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
558	ROUTE 66 WIND		ROUTE_66_WIND1	CARSON	WIND	PANHANDLE	2015	150.0
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	TEXAS BIG SPRING WIND a		SGMTN_SIGNALMT	HOWARD	WIND	WEST	1999	27.7
589	TEXAS BIG SPRING WIND b		SGMTN_SIGNALM2	HOWARD	WIND	WEST	1999	6.6
590	TRENT WIND		TRENT_TRENT	NOLAN	WIND	WEST	2001	150.0
591	TRINITY HILLS WIND 1		TRINITY_TH1_BUS1	YOUNG	WIND	WEST	2012	117.5
592	TRINITY HILLS WIND 2		TRINITY_TH1_BUS2	YOUNG	WIND	WEST	2012	107.5
593	TURKEY TRACK WIND		TTWEC_G1	NOLAN	WIND	WEST	2008	169.5
594	TYLER BLUFF WIND		TYLRWIND_UNIT1	COOKE	WIND	NORTH	2017	125.6
595	WAKE WIND 1		WAKEWE_G1	DICKENS	WIND	PANHANDLE	2016	114.9
596	WAKE WIND 2		WAKEWE_G2	DICKENS	WIND	PANHANDLE	2016	142.3
597	WEST TEXAS WIND		SW_MESA_SW_MESA	UPTON	WIND	WEST	1999	80.3
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)**							**18,255.8**
608	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PEAK_PCT_NC	%				14.0
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	PAPALOTE CREEK WIND		PAP1_PAP1	SAN PATRICIO	WIND-C	COASTAL	2009	179.9
624	PAPALOTE CREEK WIND II		COTTON_PAP2	SAN PATRICIO	WIND-C	COASTAL	2010	200.1
625	PENASCAL WIND 1		PENA_UNIT1	KENEDY	WIND-C	COASTAL	2009	160.8
626	PENASCAL WIND 2		PENA_UNIT2	KENEDY	WIND-C	COASTAL	2009	141.6
627	PENASCAL WIND 3		PENA3_UNIT3	KENEDY	WIND-C	COASTAL	2011	100.8
628	SAN ROMAN WIND		SANROMAN_WIND_1	CAMERON	WIND-C	COASTAL	2017	95.2
629	HARBOR WIND		DG_NUECE_6UNITS	NUECES	WIND-C	COASTAL	2012	9.0
630	**Operational Wind Capacity Sub-total (Coastal Counties)**							**2,619.6**
631	Wind Peak Average Capacity Percentage (Coastal)		WIND_PEAK_PCT_C	%				59.0
632								
633	Operational Wind Capacity Total (All Counties)		WIND_OPERATIONAL					20,875.4
634								
635	**Operational Resources (Solar)**							
636	ACACIA SOLAR		ACACIA_UNIT_1	PRESIDIO	SOLAR	WEST	2012	10.0
637	BNB LAMESA SOLAR (PHASE I)		LMESASLR_UNIT1	DAWSON	SOLAR	WEST	2018	101.6
638	FS EAST PECOS SOLAR		BOOTLEG_UNIT1	PECOS	SOLAR	WEST	2017	121.1
639	FS BARILLA SOLAR-PECOS		HOVEY_UNIT1	PECOS	SOLAR	WEST	2014	22.0
640	OCI ALAMO 1 SOLAR		OCI_ALM1_UNIT1	BEXAR	SOLAR	SOUTH	2013	39.2
641	OCI ALAMO 4 SOLAR-BRACKETVILLE		ECLIPSE_UNIT1	KINNEY	SOLAR	SOUTH	2014	37.6
642	OCI ALAMO 5 (DOWNIE RANCH)		HELIOS_UNIT1	UVALDE	SOLAR	SOUTH	2015	95.0
643	OCI ALAMO 6 (SIRIUS/WEST TEXAS)		SIRIUS_UNIT1	PECOS	SOLAR	WEST	2017	110.2
644	SP-TX-12-PHASE B		SPTX12B_UNIT1	UPTON	SOLAR	WEST	2017	157.5
645	WEBBERVILLE SOLAR		WEBBER_S_WSP1	TRAVIS	SOLAR	SOUTH	2011	26.7
646	BLUE WING 1 SOLAR		DG_BROOK_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.6
647	BLUE WING 2 SOLAR		DG_ELEM_1UNIT	BEXAR	SOLAR	SOUTH	2010	7.3
648	OCI ALAMO 2 SOLAR-ST. HEDWIG		DG_STHWG_UNIT1	BEXAR	SOLAR	SOUTH	2014	4.4
649	OCI ALAMO 3-WALZEM SOLAR		DG_WALZM_UNIT1	BEXAR	SOLAR	SOUTH	2014	5.5
650	OCI ALAMO 7 (PAINT CREEK)		SOLARA_UNIT1	HASKELL	SOLAR	WEST	2016	106.4

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
651	RE ROSEROCK SOLAR 1		REROCK_UNIT1	PECOS	SOLAR	WEST	2016	78.8
652	RE ROSEROCK SOLAR 2		REROCK_UNIT2	PECOS	SOLAR	WEST	2016	78.8
653	BHE SOLAR PEARL PROJECT (SIRIUS 2)		SIRIUS_UNIT2	PECOS	SOLAR	WEST	2017	49.1
654	BECK 1		DG_CECSOLAR_DG_BECK1	BEXAR	SOLAR	SOUTH	2016	1.0
655	FIFTH GENERATION SOLAR 1		DG_FGSOLAR1	TRAVIS	SOLAR	SOUTH	2016	1.6
656	HM SEALY SOLAR 1		DG_SEALY_1UNIT	AUSTIN	SOLAR	SOUTH	2015	1.6
657	RENEWABLE ENERGY ALTERNATIVES-CCS1		DG_COSERVSS_CCS1	DENTON	SOLAR	NORTH	2015	2.0
658	SUNEDISON CPS3 SOMERSET 1 SOLAR		DG_SOME1_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.6
659	SUNEDISON SOMERSET 2 SOLAR		DG_SOME2_1UNIT	BEXAR	SOLAR	SOUTH	2012	5.0
660	SUNEDISON RABEL ROAD SOLAR		DG_VALL1_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
661	SUNEDISON VALLEY ROAD SOLAR		DG_VALL2_1UNIT	BEXAR	SOLAR	SOUTH	2012	9.9
662	WALNUT SPRINGS		DG_WLNTSPRG_1UNIT	BOSQUE	SOLAR	NORTH	2016	10.0
663	**Operational Capacity Total (Solar)**							**1,105.4**
664	Solar Peak Average Capacity Percentage		SOLAR_PEAK_PCT	%				75.0
665								
666	Reliability Must-Run (RMR) Capacity		RMR_CAP_CONT		GAS			-
667								
668	Capacity Pending Retirement		PENDRETIRE_CAP					-
669								
670	**Non-Synchronous Tie Resources**							
671	EAST TIE		DC_E	FANNIN		NORTH		600.0
672	NORTH TIE		DC_N	WILBARGER		WEST		220.0
673	EAGLE PASS TIE		DC_S	MAVERICK		SOUTH		30.0
674	LAREDO VFT TIE		DC_L	WEBB		SOUTH		100.0
675	SHARYLAND RAILROAD TIE		DC_R	HIDALGO		SOUTH		150.0
676	SHARYLAND RAILROAD TIE 2		DC_R2	HIDALGO		SOUTH		150.0
677	**Non-Synchronous Ties Total**							**1,250.0**
678	Non-Synchronous Ties Capacity Contribution (Top 20 Hours)		DCTIE_CAP_CONT		OTHER			389.0
679								
680	**Planned Thermal Resources with Executed SGIA, Air Permit, GHG Permit and Proof of Adequate Water Supplies**							
681	PHR PEAKERS [BAC_CTG1-6]	14INR0038		GALVESTON	GAS	HOUSTON	2018	-
682	BETHEL CAES PROJECT	15INR0013		ANDERSON	GAS	NORTH	2020	-
683	CITY OF VICTORIA	18INR0035		Victoria	GAS	COASTAL	2018	-
684	DENTON ENERGY CENTER	18INR0013		DENTON	GAS	NORTH	2018	226.0
685	FGE TEXAS I PROJECT	16INR0010		MITCHELL	GAS	WEST	2020	-
686	FRIENDSWOOD G	13INR0049		HARRIS	GAS	HOUSTON	2018	119.0
687	HALYARD HENDERSON	16INR0045		HENDERSON	GAS	NORTH	2020	-
688	HALYARD WHARTON ENERGY CENTER	16INR0044		WHARTON	GAS	SOUTH	2019	-
689	HUDSON (BRAZORIA ENERGY G)	16INR0076		BRAZORIA	GAS	COASTAL	2019	-
690	INDECK WHARTON ENERGY CENTER	15INR0023		WHARTON	GAS	SOUTH	2021	-
691	MIRAGE	17INR0022		HARRIS	GAS	HOUSTON	2018	-
692	PINECREST ENERGY CENTER PROJECT	16INR0006		ANGELINA	GAS	NORTH	2020	-
693	**Planned Capacity Total (Coal, Gas & Storage)**							**345.0**
694								
695	**Planned Wind Resources with Executed SGIA**							
696	CABEZON WIND (RIO BRAVO I WIND)	17INR0005		STARR	WIND	SOUTH	2019	-
697	CACTUS FLATS WIND	16INR0086		CONCHO	WIND	WEST	2018	-
698	CANADIAN BREAKS WIND	13INR0026		OLDHAM	WIND	PANHANDLE	2019	-
699	COMANCHE RUN WIND	12INR0029		SWISHER	WIND	PANHANDLE	2019	-
700	COYOTE WIND	17INR0027b		SCURRY	WIND	WEST	2019	-
701	EDMONDSON RANCH WIND	18INR0043		GLASSCOCK	WIND	WEST	2019	-
702	FLAT TOP WIND I	15INR0082		COMANCHE	WIND	NORTH	2018	200.0
703	FOARD CITY WIND	19INR0019		FOARD	WIND	WEST	2019	-
704	GOODNIGHT WIND	14INR0033		ARMSTRONG	WIND	PANHANDLE	2019	-
705	GOPHER CREEK WIND	18INR0067		SCURRY	WIND	WEST	2019	-
706	GRANDVIEW WIND 3 (CONWAY)	13INR0005c		CARSON	WIND	PANHANDLE	2019	-
707	HARALD (BEARKAT WIND B)	15INR0064b		GLASSCOCK	WIND	WEST	2019	-
708	HEART OF TEXAS WIND	18INR0016		MCCULLOCH	WIND	SOUTH	2018	-
709	HICKMAN (SANTA RITA WIND)	16INR0091		REAGAN	WIND	WEST	2018	300.0
710	HIGH LONESOME W	19INR0038		CROCKETT	WIND	WEST	2019	-
711	KARANKAWA 2 WIND FARM	19INR0074		SAN PATRICIO	WIND-C	COASTAL	2019	-
712	KARANKAWA WIND ALT A	18INR0014		SAN PATRICIO	WIND-C	COASTAL	2019	-
713	LITTLE MOUNTAIN WIND	12INR0055		BAYLOR	WIND	WEST	2019	-
714	LOCKETT WIND FARM	16INR0062b		WILBARGER	WIND	WEST	2019	-
715	LOMA PINTA WIND	16INR0112		LA SALLE	WIND	SOUTH	2018	-
716	LONGHORN SOUTH	20INR0058		BRISCOE	WIND	PANHANDLE	2020	-
717	LORAINE WINDPARK PHASE III	18INR0068		MITCHELL	WIND	WEST	2018	-
718	MARIAH DEL ESTE	13INR0010a		PARMER	WIND	PANHANDLE	2018	-
719	MARIAH DEL SUR	13INR0010c		PARMER	WIND	PANHANDLE	2018	-
720	MIDWAY FARMS WIND	11INR0054		SAN PATRICIO	WIND-C	COASTAL	2018	-
721	PALMAS ALTAS WIND	17INR0037		CAMERON	WIND-C	COASTAL	2019	-
722	PANHANDLE WIND 3	14INR0030c		CARSON	WIND	PANHANDLE	2020	-
723	PATRIOT WIND (PETRONILLA)	11INR0062		NUECES	WIND-C	COASTAL	2019	-
724	PEYTON CREEK WIND	18INR0018		MATAGORDA	WIND-C	COASTAL	2020	-
725	PULLMAN ROAD WIND	15INR0079		RANDALL	WIND	PANHANDLE	2019	-
726	PUMPKIN FARM WIND	16INR0037c		FLOYD	WIND	PANHANDLE	2019	-
727	RTS WIND	16INR0087		MCCULLOCH	WIND	SOUTH	2018	160.0
728	SAGE DRAW WIND	19INR0163		LYNN	WIND	WEST	2019	-
729	SCANDIA WIND DEF	13INR0010def		PARMER	WIND	PANHANDLE	2019	-
730	SILVER CANYON WIND A	12INR0002a		BRISCOE	WIND	PANHANDLE	2019	-
731	STELLA 1 WIND	15INR0035		KENEDY	WIND-C	COASTAL	2018	-
732	TAHOKA WIND (STAKED PLAINS WIND 1)	18INR0025		LYNN	WIND	WEST	2018	-
733	TORRECILLAS WIND	14INR0045		WEBB	WIND	SOUTH	2018	-
734	UNITY WIND	15INR0050		DEAF SMITH	WIND	PANHANDLE	2019	-
735	WILDROSE WIND (SWISHER WIND)	13INR0038		SWISHER	WIND	PANHANDLE	2019	-
736	WKN AMADEUS WIND	14INR0009		KENT	WIND	WEST	2019	-
737	**Planned Capacity Total (Wind)**							**660.0**
738								
739	Planned Wind Capacity Sub-total (Non-Coastal Counties)		WIND_PLANNED_NC					660.0
740	Wind Peak Average Capacity Percentage (Non-Coastal)		WIND_PL_PEAK_PCT_NC	%				14.0
741								
742	Planned Wind Capacity Sub-total (Coastal Counties)		WIND_PLANNED_C					-
743	Wind Peak Average Capacity Percentage (Coastal)		WIND_PL_PEAK_PCT_C	%				59.0

	UNIT NAME	GENERATION INTERCONNECTION PROJECT CODE	UNIT CODE	COUNTY	FUEL	CDR ZONE	START YEAR	CAPACITY (MW)
744								
745	**Planned Solar Resources with Executed SGIA**							
746	BLUEBELL SOLAR (CAPRICORN RIDGE SOLAR)	16INR0019		COKE	SOLAR	WEST	2018	-
747	CASTLE GAP SOLAR	16INR0065		UPTON	SOLAR	WEST	2018	180.0
748	FS BARILLA SOLAR 1B [HOVEY_UNIT2]	12INR0059b		PECOS	SOLAR	WEST	2018	7.4
749	LAMESA SOLAR (PHASE II)	16INR0023b		DAWSON	SOLAR	WEST	2018	-
750	NAZARETH SOLAR	16INR0049		CASTRO	SOLAR	PANHANDLE	2019	-
751	PECOS SOLAR POWER I	15INR0059		PECOS	SOLAR	WEST	2019	-
752	PFLUGERVILLE SOLAR	15INR0090		TRAVIS	SOLAR	SOUTH	2019	-
753	PROSPERO SOLAR	19INR0092		ANDREWS	SOLAR	WEST	2019	-
754	RES WINK SOLAR	18INR0022		WINKLER	SOLAR	WEST	2019	-
755	RE MAPLEWOOD 2A SOLAR	17INR0020a		PECOS	SOLAR	WEST	2019	-
756	RE MAPLEWOOD 2B SOLAR	17INR0020b		PECOS	SOLAR	WEST	2019	-
757	RE MAPLEWOOD 2C SOLAR	17INR0020c		PECOS	SOLAR	WEST	2019	-
758	RE MAPLEWOOD 2D SOLAR	17INR0020d		PECOS	SOLAR	WEST	2020	-
759	RE MAPLEWOOD 2E SOLAR	17INR0020e		PECOS	SOLAR	WEST	2020	-
760	RIGGINS (SE BUCKTHORN WESTEX SOLAR)	15INR0045		PECOS	SOLAR	WEST	2018	150.0
761	SOLAIREHOLMAN 1	15INR0061		BREWSTER	SOLAR	WEST	2018	50.0
762	UPTON SOLAR	16INR0114		UPTON	SOLAR	WEST	2019	-
763	WAYMARK SOLAR	16INR0115		PECOS	SOLAR	WEST	2018	-
764	WEST OF PECOS SOLAR	14INR0044		REEVES	SOLAR	WEST	2019	-
765	**Planned Capacity Total (Solar)**							**387.4**
766	Solar Peak Average Capacity Percentage		SOLAR_PL_PEAK_PCT	%				75.0
767								
768	**Seasonal Mothballed Resources**							
769	N/A							
770	**Total Seasonal Mothballed Capacity**							**-**
771								
772	**Mothballed Resources**							
773	J T DEELY U1 (AS OF 12/31/2018)		CALAVERS_JTD1_M	BEXAR	COAL	SOUTH	1977	420.0
774	J T DEELY U2 (AS OF 12/31/2018)		CALAVERS_JTD2_M	BEXAR	COAL	SOUTH	1978	420.0
775	S R BERTRON U1 (SINCE 5/15/2013)		SRB_SRB_G1	HARRIS	GAS	HOUSTON	1958	112.0
776	S R BERTRON U2 (SINCE 5/15/2013)		SRB_SRB_G2	HARRIS	GAS	HOUSTON	1956	168.0
777	**Total Mothballed Capacity**							**1,120.0**

Seasonal Assessment of Resource Adequacy for the ERCOT Region

Background

The Seasonal Assessment of Resource Adequacy (SARA) report is a deterministic approach to considering the impact of potential variables that may affect the sufficiency of installed resources to meet the peak electrical demand on the ERCOT System during a particular season.

The standard approach to assessing resource adequacy for one or more years into the future is to account for projected load and resources on a normalized basis and to require sufficient reserves (resources in excess of peak demand, on this normalized basis) to cover the uncertainty in peak demand and resource availability to meet a probabilistic reliability standard.

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

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

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