Final

Seasonal Assessment of Resource Adequacy for the ERCOT Region Winter 2013 - 2014

Released November 1, 2013

SUMMARY

The ERCOT region is expected to have sufficient installed generating capacity to serve forecasted peak demands with an historically typical amount of generation outages. It is unlikely that ERCOT will need to declare an Energy Emergency Alert (EEA) during the winter of 2013-14. The results of this study indicate that an extreme higher-than-normal number of forced generation outages occurring during a period of unusually high demand would result in sufficient resources available to serve those demands.

The ongoing drought conditions throughout the State are not expected to affect generation output during the Winter 2013-14 season. ERCOT is closely monitoring the availability of cooling water at generating resources.

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Winter 2013 - 2014

Date: November 1, 2013

Forecasted Resources and Demand

	Installed Capacity, MW	65,212	Based on current Seasonal Maximum Sustainable Limits reported through Registration process
	Planned Units (not wind) with Signed IA and Air Permit, MW	-	Based on in-service dates provided by developers of generation resources
	Capacity from Private Networks, MW	4,331	Based on actual net PUN output during non-EEA periods of August 2011
	Switchable Units, MW	3,168	Installed capacity of units that can switch to other Regions
	less Switchable Units Unavailable to ERCOT, MW	(330)	Based on survey response of Switchable Unit owners
	Effective Load-Carrying Capability (ELCC) of Wind Generation, MW	954	Based on 8.7% of installed capacity (Effective Load Carrying Capability) of wind per ERCOT Nodal Protocols Section 3.2.6.2.2
	ELCC of Planned Wind Units with Signed IA, MW	12	Based on in-service dates provided by developers of generation resources
	50% of Non-Synchronous Ties, MW	553	Based on 50% of installed capacity of ties, per ERCOT Nodal Protocols Section 3.2.6.2.2
a	Total Resources, MW	73,901	
b	Peak Demand, MW	49,116	Peak forecast based on December 2008 winter weather
c	Reserve Capacity (a -b), MW	24,785	

Range of Potential Risks

		Forecasted Season Peak Load	Extreme Load/Typical Gen Outages	Extreme Load/Extreme Gen Outages	
	Extreme Load Range		12,292	12,292	Based on a load forecast assuming 2011 winter weather
	Typical Maintenance Outages	1,610	1,610	1,610	
	Typical Forced Outages	4,006	4,006	4,006	Reflects a six-year average of historic outages for hour ending 3pm-6pm of December - February weekdays
	90th Percentile Forced Outages		-	4,326	
d	**Total Uses of Reserve Capacity**	**5,616**	**17,908**	**22,234**	
	Capacity Available for Operating Reserves (c-d), MW	**19,169**	**6,877**	**2,551**	
	Less than 2,300 MW indicates risk of EEA1				

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Scenario Inputs			
	Extreme Load Adder	12,292	Based on a load forecast assuming 2011 winter weather
	Typical Maintenance Outages	1,610	Reflects a six-year average of historic outages for hour ending 3pm-6pm of December - February weekdays
	Typical Forced Outages	4,006	
	90th Percentile Forced Outages	4,326	

Unit Code	Plant Name	Primary Energy Source	Winter Capacity (MW)	Status
AZ_AZ_G1	AIRPRO	NG	45	Existing
AZ_AZ_G2	AIRPRO	NG	45	Existing
AZ_AZ_G3	AIRPRO	NG	45	Existing
AZ_AZ_G4	AIRPRO	NG	45	Existing
AMISTAD_AMISTAG1	AMISTAD	WAT	38	Existing
AMISTAD_AMISTAG2	AMISTAD	WAT	38	Existing
HB_DG1	ATASCOCITA	LFG	10	Nonmod
ATKINS_ATKINSG7	ATKINS	NG	20	Existing
DG_SPRIN_4UNITS	AUSTIN LANDFILL GAS	UNK	6	Nonmod
AUSTPL_AUSTING1	AUSTIN PLANT	WAT	8	Existing
AUSTPL_AUSTING2	AUSTIN PLANT	WAT	9	Existing
B_DAVIS_B_DAVIG1	BARNEY DAVIS	NG	335	Existing
B_DAVIS_B_DAVIG2	BARNEY DAVIS	NG	320	Existing
B_DAVIS_B_DAVIG3	BARNEY DAVIS	NG	165	Existing
B_DAVIS_B_DAVIG4	BARNEY DAVIS	NG	165	Existing
BASTEN_GTG1100	BASTROP ENERGY CENTER	NG	167	Existing
BASTEN_GTG2100	BASTROP ENERGY CENTER	NG	167	Existing
BASTEN_ST0100	BASTROP ENERGY CENTER	WH	234	Existing
TRN_DG1	BAYTOWN	MTH	4	Nonmod
BBSES_UNIT1	BIG BROWN SES	LIG	606	Existing
BBSES_UNIT2	BIG BROWN SES	LIG	602	Existing
CARBN_BSP_1	BIG SPRING	WH	18	Existing
DG_BIOE_2UNITS	BIO ENERGY PARTNERS	NG	6	Nonmod
DG_BROOK_1UNIT	BLUE WING SOLAR 1	SUN	8	Nonmod
DG_ELMEN_1UNIT	BLUE WING SOLAR 2	SUN	7	Nonmod
LB_DG1	BLUEBONNET	LFG	4	Nonmod
BOSQUESW_BSQSU_1	BOSQUE SWITCH	NG	160	Existing
BOSQUESW_BSQSU_2	BOSQUE SWITCH	NG	160	Existing
BOSQUESW_BSQSU_3	BOSQUE SWITCH	NG	156	Existing
BOSQUESW_BSQSU_4	BOSQUE SWITCH	WH	79	Existing
BOSQUESW_BSQSU_5	BOSQUE SWITCH	WH	209	Existing
BVE_UNIT1	BRAZOS VALLEY ENERGY LP	NG	168	Existing
BVE_UNIT2	BRAZOS VALLEY ENERGY LP	NG	168	Existing
BVE_UNIT3	BRAZOS VALLEY ENERGY LP	NG	270	Existing
13DGR0001	Bryan Solar	Solar	10	Existing
BUCHAN_BUCHANG1	BUCHANAN	WAT	16	Existing
BUCHAN_BUCHANG2	BUCHANAN	WAT	16	Existing
BUCHAN_BUCHANG3	BUCHANAN	WAT	17	Existing
FLCNS_UNIT1	CAL ENERGY	NG	78	Existing
FLCNS_UNIT2	CAL ENERGY	NG	78	Existing
FLCNS_UNIT3	CAL ENERGY	NG	74	Existing
CALAVERS_OWS1	CALAVERAS	NG	420	Existing
CALAVERS_OWS2	CALAVERAS	NG	420	Existing
CALAVERS_JKS1	CALAVERAS	SUB	562	Existing
CALAVERS_JKS2	CALAVERAS	SUB	775	Existing
CALAVERS_JTD1	CALAVERAS	SUB	430	Existing
CALAVERS_JTD2	CALAVERAS	SUB	420	Existing
CANYHY_CANYHYG1	CANYON	WAT	6	Nonmod
CBY4_CT41	CEDAR BAYOU 4	NG	173	Existing
CBY4_CT42	CEDAR BAYOU 4	NG	173	Existing
CBY4_ST04	CEDAR BAYOU 4	NG	186	Existing
CBY_CBY_G1	CEDAR BAYOU PLANT	NG	745	Existing
CBY_CBY_G2	CEDAR BAYOU PLANT	NG	749	Existing
CVC_CVC_G1	CHANNELVIEW COGEN	NG	180	Existing
CVC_CVC_G2	CHANNELVIEW COGEN	NG	175	Existing
CVC_CVC_G3	CHANNELVIEW COGEN	NG	174	Existing
CVC_CVC_G5	CHANNELVIEW COGEN	NG	118	Existing
AV_DG1	COASTAL PLAINS RDF	LFG	7	Nonmod
COLETO_COLETOG1	COLETO CREEK	SUB	650	Existing
CBEC_GT1	COLORADO BEND ENERGY CENTER	NG	88	Existing
CBEC_GT2	COLORADO BEND ENERGY CENTER	NG	84	Existing
CBEC_GT3	COLORADO BEND ENERGY CENTER	NG	88	Existing
CBEC_GT4	COLORADO BEND ENERGY CENTER	NG	83	Existing
CBEC_STG1	COLORADO BEND ENERGY CENTER	NG	105	Existing
CBEC_STG2	COLORADO BEND ENERGY CENTER	NG	108	Existing
CPSES_UNIT1	COMANCHE PEAK SES	NUC	1235	Existing
CPSES_UNIT2	COMANCHE PEAK SES	NUC	1225	Existing
DG_MEDIN_1UNIT	COVEL GARDENS LG POWER STATION	UNK	10	Nonmod
DANSBY_DANSBYG1	DANSBY	NG	110	Existing
DANSBY_DANSBYG2	DANSBY	NG	48	Existing
DANSBY_DANSBYG3	DANSBY	NG	48	Existing
DECKER_DPG1	DECKER POWER PLANT	NG	320	Existing
DECKER_DPG2	DECKER POWER PLANT	NG	428	Existing
DECKER_DPGT_1	DECKER POWER PLANT	NG	54	Existing
DECKER_DPGT_2	DECKER POWER PLANT	NG	54	Existing
DECKER_DPGT_3	DECKER POWER PLANT	NG	54	Existing
DECKER_DPGT_4	DECKER POWER PLANT	NG	54	Existing
DCSES_CT10	DECORDOVA SES CONSTELLATION	NG	80	Existing
DCSES_CT20	DECORDOVA SES CONSTELLATION	NG	79	Existing
DCSES_CT30	DECORDOVA SES CONSTELLATION	NG	78	Existing
DCSES_CT40	DECORDOVA SES CONSTELLATION	NG	77	Existing
DDPEC_GT1	DEER PARK ENERGY CENTER	NG	190	Existing
DDPEC_GT2	DEER PARK ENERGY CENTER	NG	206	Existing
DDPEC_GT3	DEER PARK ENERGY CENTER	NG	190	Existing
DDPEC_GT4	DEER PARK ENERGY CENTER	NG	206	Existing
DDPEC_ST1	DEER PARK ENERGY CENTER	WH	290	Existing
DNDAM_DENISOG1	DENISON DAM	WAT	40	Existing
DNDAM_DENISOG2	DENISON DAM	WAT	40	Existing
DG_BIO2_4UNITS	DFW GAS RECOVERY	LFG	6	Nonmod
DUKE_DUKE_GT1	DUKE (NOW HIDALGO)	NG	150	Existing
DUKE_DUKE_GT2	DUKE (NOW HIDALGO)	NG	150	Existing
DUKE_DUKE_ST1	DUKE (NOW HIDALGO)	WH	176	Existing
DG_SCHUM_2UNITS	DUNLOP (SCHUMANSVILLE)	WAT	4	Nonmod
EAGLE_HY_EAGLE_HY1	EAGLE PASS	WAT	10	Nonmod
FALCON_FALCONG1	FALCON PLANT	WAT	12	Existing
FALCON_FALCONG2	FALCON PLANT	WAT	12	Existing
FALCON_FALCONG3	FALCON PLANT	WAT	12	Existing
DG_HBR_2UNITS	FARMERS BRANCH LANDFILL	LFG	6	Nonmod

Key to Abbreviations	
BIO	Biomass
BIT	Bituminous Coal
LFG	Land-fill Gas
LIG	Lignite Coal
MTE	Methanol
MTH	Methane
NG	Natural Gas
NUC	Nuclear
OG	Other Gas
OTH	Other
PC	Pulverized Coal
SUB	Sub-bituminous Coal
SUN	Sun (Solar Resource)
UNK	Unknown
WAT	Water (Hydro Resource)
WDS	Wood Biomass
WH	Waste Heat
WND	Wind
NA	Unknown

Note: Capacity Information is current as of 10/30/2013

Unit Code	Plant Name	Primary Energy Source	Winter Capacity (MW)	Status
FPPYD1_FPP_G1	FAYETTE PLANT 1 & 2	SUB	603	Existing
FPPYD1_FPP_G2	FAYETTE PLANT 1 & 2	SUB	605	Existing
FPPYD2_FPP_G3	FAYETTE PLANT 3	SUB	449	Existing
FRNYPP_GT11	FORNEY	NG	178	Existing
FRNYPP_GT12	FORNEY	NG	178	Existing
FRNYPP_GT13	FORNEY	NG	178	Existing
FRNYPP_GT21	FORNEY	NG	178	Existing
FRNYPP_GT22	FORNEY	NG	178	Existing
FRNYPP_GT23	FORNEY	NG	178	Existing
FRNYPP_ST10	FORNEY	NG	405	Existing
FRNYPP_ST20	FORNEY	NG	405	Existing
FREC_GT1	Freestone Energy Center	NG	161	Existing
FREC_GT2	Freestone Energy Center	NG	161	Existing
FREC_GT4	Freestone Energy Center	NG	161	Existing
FREC_GT5	Freestone Energy Center	NG	161	Existing
FREC_ST3	Freestone Energy Center	WH	180	Existing
FREC_ST6	Freestone Energy Center	WH	180	Existing
FRONTERA_FRONTEG1	FRONTERA	NG	170	Existing
FRONTERA_FRONTEG2	FRONTERA	NG	170	Existing
FRONTERA_FRONTEG3	FRONTERA	WH	184	Existing
DG_RDLML_1UNIT	FW REGIONAL LFG GENERATION FACILITY	UNK	2	Nonmod
DG_LKWDT_2UNITS	GBRA	WAT	5	Nonmod
STEAM_ENGINE_1	GEUS	NG	8	Existing
STEAM_ENGINE_2	GEUS	NG	8	Existing
STEAM_ENGINE_3	GEUS	NG	8	Existing
STEAM_STEAM_2	GEUS	NG	26	Existing
STEAM_STEAM_3	GEUS	NG	41	Existing
STEAM1A_STEAM_1	GEUS	NG	20	Existing
GIBCRK_GIB_CRG1	GIBBONS CREEK	SUB	470	Existing
GRSES_UNIT1	GRAHAM SES	NG	225	Existing
GRSES_UNIT2	GRAHAM SES	NG	390	Existing
GBY_GBY_5	GREENS BAYOU	NG	406	Existing
GBY_GBYGT73	GREENS BAYOU	NG	54	Existing
GBY_GBYGT74	GREENS BAYOU	NG	54	Existing
GBY_GBYGT81	GREENS BAYOU	NG	54	Existing
GBY_GBYGT83	GREENS BAYOU	NG	64	Existing
GBY_GBYGT84	GREENS BAYOU	NG	58	Existing
GUADG_GAS1	GUADALUPE GEN	NG	167	Existing
GUADG_GAS2	GUADALUPE GEN	NG	167	Existing
GUADG_GAS3	GUADALUPE GEN	NG	167	Existing
GUADG_GAS4	GUADALUPE GEN	NG	167	Existing
GUADG_STM5	GUADALUPE GEN	NG	203	Existing
GUADG_STM6	GUADALUPE GEN	NG	203	Existing
HLSES_UNIT3	HANDLEY SES	NG	395	Existing
HLSES_UNIT4	HANDLEY SES	NG	435	Existing
HLSES_UNIT5	HANDLEY SES	NG	435	Existing
HAYSEN_HAYSENG1	HAYS ENERGY	NG	237	Existing
HAYSEN_HAYSENG2	HAYS ENERGY	NG	237	Existing
HAYSEN_HAYSENG3	HAYS ENERGY	NG	247	Existing
HAYSEN_HAYSENG4	HAYS ENERGY	NG	247	Existing
INKSDA_INKS_G1	INKS DAM	WAT	14	Existing
JACKCNTY_CT1	JACK COUNTY PLANT	NG	165	Existing
JACKCNTY_CT2	JACK COUNTY PLANT	NG	165	Existing
JCKCNTY2_CT3	JACK COUNTY PLANT	NG	165	Existing
JCKCNTY2_CT4	JACK COUNTY PLANT	NG	165	Existing
JACKCNTY_STG	JACK COUNTY PLANT	WH	310	Existing
JCKCNTY2_ST2	JACK COUNTY PLANT	WH	310	Existing
DG_KMASB_1UNIT	KMAYBTO	OG	0.1	Nonmod
LH2SES_UNIT2	LAKE HUBBARD 2 SES	NG	515	Existing
LHSES_UNIT1	LAKE HUBBARD SES	NG	392	Existing
LPCCS_CT11	LAMAR POWER PARTNERS	NG	177	Existing
LPCCS_CT12	LAMAR POWER PARTNERS	NG	177	Existing
LPCCS_CT21	LAMAR POWER PARTNERS	NG	177	Existing
LPCCS_CT22	LAMAR POWER PARTNERS	NG	177	Existing
LPCCS_UNIT1	LAMAR POWER PARTNERS	NG	195	Existing
LPCCS_UNIT2	LAMAR POWER PARTNERS	NG	195	Existing
LARDVFTN_G4	LAREDO ENERGY CENTER	NG	99	Existing
LARDVFTN_G5	LAREDO ENERGY CENTER	NG	99	Existing
LEON_CRK_LCPCT1	LEON CREEK	NG	48	Existing
LEON_CRK_LCPCT2	LEON CREEK	NG	48	Existing
LEON_CRK_LCPCT3	LEON CREEK	NG	48	Existing
LEON_CRK_LCPCT4	LEON CREEK	NG	48	Existing
DG_LWSVL_1UNIT	LEWISVILLE	WAT	2	Nonmod
LEG_LEG_G1	LIMESTONE PLANT	LIG	831	Existing
LEG_LEG_G2	LIMESTONE PLANT	LIG	858	Existing
LOSTPI_LOSTPGT1	LOST PINES	NG	183	Existing
LOSTPI_LOSTPGT2	LOST PINES	NG	183	Existing
LOSTPI_LOSTPST1	LOST PINES	NG	192	Existing
LFBIO_UNIT1	LUFKIN BIOMASS	WDS	45	Existing
MARBFA_MARBFAG1	MARBLE FALLS	WAT	21	Existing
MARBFA_MARBFAG2	MARBLE FALLS	WAT	20	Existing
MARSFO_MARSFOG1	MARSHALL FORD	WAT	36	Existing
MARSFO_MARSFOG2	MARSHALL FORD	WAT	36	Existing
MARSFO_MARSFOG3	MARSHALL FORD	WAT	29	Existing
MLSES_UNIT1	MARTIN LAKE SES	LIG	815	Existing
MLSES_UNIT2	MARTIN LAKE SES	LIG	820	Existing
DG_MKNSW_2UNITS	MCKINNEY LANDFILL	LFG	3	Nonmod
DG_MCQUE_5UNITS	MCQUEENEY (ABBOTT)	WAT	8	Nonmod
DG_FREIH_2UNITS	MESQUITE CREEK LANDFILL	LFG	3	Nonmod
MDANP_CT1	MIDLOTHIAN ANP	NG	237	Existing
MDANP_CT2	MIDLOTHIAN ANP	NG	237	Existing
MDANP_CT3	MIDLOTHIAN ANP	NG	237	Existing
MDANP_CT4	MIDLOTHIAN ANP	NG	237	Existing
MDANP_CT5	MIDLOTHIAN ANP	NG	247	Existing
MDANP_CT6	MIDLOTHIAN ANP	NG	247	Existing
MIL_MILLERG1	MILLER	NG	75	Existing
MIL_MILLERG2	MILLER	NG	120	Existing
MIL_MILLERG3	MILLER	NG	208	Existing

Unit Code	Plant Name	Primary Energy Source	Winter Capacity (MW)	Status
MIL_MILLERG4	MILLER	NG	115	Existing
MIL_MILLERG5	MILLER	NG	115	Existing
MNSES_UNIT3	MONTICELLO SES	SUB	795	Existing
MGSES_CT1	MORGAN CREEK SES	NG	81	Existing
MGSES_CT2	MORGAN CREEK SES	NG	81	Existing
MGSES_CT3	MORGAN CREEK SES	NG	81	Existing
MGSES_CT4	MORGAN CREEK SES	NG	81	Existing
MGSES_CT5	MORGAN CREEK SES	NG	81	Existing
MGSES_CT6	MORGAN CREEK SES	NG	81	Existing
MCSES_UNIT6	MOUNTAIN CREEK SES	NG	122	Existing
MCSES_UNIT7	MOUNTAIN CREEK SES	NG	118	Existing
MCSES_UNIT8	MOUNTAIN CREEK SES	NG	568	Existing
NEDIN_NEDIN_G1	N EDINBURG	NG	219	Existing
NEDIN_NEDIN_G2	N EDINBURG	NG	219	Existing
NEDIN_NEDIN_G3	N EDINBURG	WH	258	Existing
NACPW_UNIT1	NACOGDOCHES POWER	WDS	105	Existing
NWF_NBS	NoTrees Battery Storage	OTH	36	Existing
NUECES_B_NUECESG7	NUECES BAY	NG	320	Existing
NUECES_B_NUECESG8	NUECES BAY	NG	165	Existing
NUECES_B_NUECESG9	NUECES BAY	NG	165	Existing
OGSES_UNIT1A	OAK GROVE SES	LIG	840	Existing
OGSES_UNIT2	OAK GROVE SES	LIG	825	Existing
OECCS_CT11	ODESSA ECTOR CCS	NG	163	Existing
OECCS_CT12	ODESSA ECTOR CCS	NG	151	Existing
OECCS_CT21	ODESSA ECTOR CCS	NG	156	Existing
OECCS_CT22	ODESSA ECTOR CCS	NG	153	Existing
OECCS_UNIT1	ODESSA ECTOR CCS	NG	216	Existing
OECCS_UNIT2	ODESSA ECTOR CCS	NG	216	Existing
OKLA_OKLA_G1	OKLAUNION	BIT	650	Existing
OLINGR_OLING_1	OLINGER	NG	78	Existing
OLINGR_OLING_2	OLINGER	NG	107	Existing
OLINGR_OLING_3	OLINGER	NG	146	Existing
OLINGR_OLING_4	OLINGER	NG	84	Existing
PSG_PSG_GT2	PASGEN	NG	176	Existing
PSG_PSG_GT3	PASGEN	NG	176	Existing
PSG_PSG_ST2	PASGEN	WH	169	Existing
PEARSALL_PEARS_1	PEARSALL	NG	25	Existing
PEARSALL_PEARS_2	PEARSALL	NG	25	Existing
PEARSALL_PEARS_3	PEARSALL	NG	25	Existing
PEARSAL2_AGR_A	PEARSALL POWER PLANT 2	NG	51	Existing
PEARSAL2_AGR_B	PEARSALL POWER PLANT 2	NG	51	Existing
PEARSAL2_AGR_C	PEARSALL POWER PLANT 2	NG	51	Existing
PEARSAL2_AGR_D	PEARSALL POWER PLANT 2	NG	51	Existing
PB2SES_CT1	PERMIAN BASIN SES RELIANT	NG	71	Existing
PB2SES_CT2	PERMIAN BASIN SES RELIANT	NG	71	Existing
PB2SES_CT3	PERMIAN BASIN SES RELIANT	NG	74	Existing
PB2SES_CT4	PERMIAN BASIN SES RELIANT	NG	75	Existing
PB2SES_CT5	PERMIAN BASIN SES RELIANT	NG	75	Existing
QALSW_GT1	QUAIL SWITCH	NG	84	Existing
QALSW_GT2	QUAIL SWITCH	NG	86	Existing
QALSW_GT3	QUAIL SWITCH	NG	81	Existing
QALSW_GT4	QUAIL SWITCH	NG	81	Existing
QALSW_STG1	QUAIL SWITCH	NG	98	Existing
QALSW_STG2	QUAIL SWITCH	NG	98	Existing
RIONOG_CT1	RIO NOGALES POWER PROJECT	NG	175	Existing
RIONOG_CT2	RIO NOGALES POWER PROJECT	NG	175	Existing
RIONOG_CT3	RIO NOGALES POWER PROJECT	NG	175	Existing
RIONOG_ST1	RIO NOGALES POWER PROJECT	WH	323	Existing
RAYBURN_RAYBURG1	SAM RAYBURN SWITCHYD	NG	14	Existing
RAYBURN_RAYBURG2	SAM RAYBURN SWITCHYD	NG	14	Existing
RAYBURN_RAYBURG7	SAM RAYBURN SWITCHYD	NG	50	Existing
RAYBURN_RAYBURG8	SAM RAYBURN SWITCHYD	NG	51	Existing
RAYBURN_RAYBURG9	SAM RAYBURN SWITCHYD	NG	50	Existing
RAYBURN_RAYBURG10	SAM RAYBURN SWITCHYD	WH	40	Existing
SJS_SJS_G1	SAN JACINTO STEAM	NG	81	Existing
SJS_SJS_G2	SAN JACINTO STEAM	NG	81	Existing
SANMIGL_SANMIGG1	SAN MIGUEL GEN	LIG	391	Existing
SANDHSYD_SH_5A	SANDHILL POWER STATION	NG	170	Existing
SANDHSYD_SH_5C	SANDHILL POWER STATION	NG	160	Existing
SANDHSYD_SH1	SANDHILL POWER STATION	NG	48	Existing
SANDHSYD_SH2	SANDHILL POWER STATION	NG	48	Existing
SANDHSYD_SH3	SANDHILL POWER STATION	NG	48	Existing
SANDHSYD_SH4	SANDHILL POWER STATION	NG	48	Existing
SANDHSYD_SH6	SANDHILL POWER STATION	NG	48	Existing
SANDHSYD_SH7	SANDHILL POWER STATION	NG	48	Existing
SD5SES_UNIT5	SANDOW 5 SES	LIG	570	Existing
SCES_UNIT1	SANDY CREEK	SUB	970	Existing
SILASRAY_SILAS_10	SILAS RAY	NG	46	Existing
SILASRAY_SILAS_9	SILAS RAY	NG	49	Existing
SILASRAY_SILAS_6	SILAS RAY	WH	21	Existing
GIDEON_GIDEONG1	SIM GIDEON	NG	130	Existing
GIDEON_GIDEONG2	SIM GIDEON	NG	135	Existing
GIDEON_GIDEONG3	SIM GIDEON	NG	340	Existing
DG_FERIS_4UNITS	SKYLINE LANDFILL GAS	UNK	6	Nonmod
DG_SOME1_1UNIT	SOMERSET NORTH	SUN	6	Nonmod
DG_SOME2_1UNIT	SOMERSET SOUTH	SUN	5	Nonmod
STP_STP_G1	SOUTH TEXAS PROJECT	NUC	1375	Existing
STP_STP_G2	SOUTH TEXAS PROJECT	NUC	1375	Existing
SPNCER_SPNCE_4	SPENCER	NG	61	Existing
SPNCER_SPNCE_5	SPENCER	NG	61	Existing
SCSES_UNIT1A	STRYKER CREEK SES	NG	167	Existing
SCSES_UNIT2	STRYKER CREEK SES	NG	502	Existing
DG_VALL1_1UNIT	SUNEDISON RABEL ROAD	SUN	10	Nonmod
DG_VALL2_1UNIT	SUNEDISON VALLEY ROAD	SUN	10	Nonmod
TEN_CT1	TENASKA (BRAZOS)	NG	177	Existing
TEN_STG	TENASKA (BRAZOS)	WH	106	Existing
TNSKA_GT1	TENASKA (TXU)	NG	87	Existing
TNSKA_GT2	TENASKA (TXU)	NG	87	Existing

Unit Code	Plant Name	Primary Energy Source	Winter Capacity (MW)	Status
TNSKA_STG	TENASKA (TXU)	WH	89	Existing
DG_WALZE_4UNITS	TESSMAN ROAD	MTE	10	Nonmod
TXCTY_CTA	TEXAS CITY GEN	NG	102	Existing
TXCTY_CTB	TEXAS CITY GEN	NG	102	Existing
TXCTY_CTC	TEXAS CITY GEN	NG	102	Existing
TXCTY_ST	TEXAS CITY GEN	WH	131	Existing
TGF_TGFGT_1	TEXAS GULF SULPHUR	NG	89	Existing
THW_THWGT_1	TH WHARTON	NG	13	Existing
THW_THWGT31	TH WHARTON	NG	57	Existing
THW_THWGT32	TH WHARTON	NG	57	Existing
THW_THWGT33	TH WHARTON	NG	57	Existing
THW_THWGT34	TH WHARTON	NG	57	Existing
THW_THWGT41	TH WHARTON	NG	57	Existing
THW_THWGT42	TH WHARTON	NG	57	Existing
THW_THWGT43	TH WHARTON	NG	57	Existing
THW_THWGT44	TH WHARTON	NG	57	Existing
THW_THWGT51	TH WHARTON	NG	57	Existing
THW_THWGT52	TH WHARTON	NG	57	Existing
THW_THWGT53	TH WHARTON	NG	57	Existing
THW_THWGT54	TH WHARTON	NG	57	Existing
THW_THWGT55	TH WHARTON	NG	57	Existing
THW_THWGT56	TH WHARTON	NG	57	Existing
THW_THWST_3	TH WHARTON	NG	104	Existing
THW_THWST_4	TH WHARTON	NG	104	Existing
TNP_ONE_TNP_O_1	TNP ONE PLANT	LIG	158	Existing
TNP_ONE_TNP_O_2	TNP ONE PLANT	LIG	158	Existing
ETCCS_CT1	TRACTEBEL	NG	231	Existing
ETCCS_UNIT1	TRACTEBEL	NG	127	Existing
TRSES_UNIT6	TRINIDAD SES	NG	226	Existing
DG_KLBRG_1UNIT	TRINITY OAKS LFG	LFG	3	Nonmod
BRAUNIG_AVR1_CT1	VH BRAUNIG	NG	178	Existing
BRAUNIG_AVR1_CT2	VH BRAUNIG	NG	178	Existing
BRAUNIG_VHB1	VH BRAUNIG	NG	220	Existing
BRAUNIG_VHB2	VH BRAUNIG	NG	230	Existing
BRAUNIG_VHB3	VH BRAUNIG	NG	412	Existing
BRAUNIG_VHB6CT5	VH BRAUNIG	NG	48	Existing
BRAUNIG_VHB6CT6	VH BRAUNIG	NG	48	Existing
BRAUNIG_VHB6CT7	VH BRAUNIG	NG	48	Existing
BRAUNIG_VHB6CT8	VH BRAUNIG	NG	48	Existing
BRAUNIG_AVR1_ST	VH BRAUNIG	WH	184	Existing
VICTORIA_VICTORG6	VICTORIA	NG	168	Existing
VICTORIA_VICTORG5	VICTORIA	WH	132	Existing
WAP_WAP_G5	WA PARISH	BIT	659	Existing
WAP_WAP_G6	WA PARISH	BIT	658	Existing
WAP_WAP_G7	WA PARISH	BIT	577	Existing
WAP_WAP_G8	WA PARISH	BIT	610	Existing
WAP_WAP_G1	WA PARISH	NG	169	Existing
WAP_WAP_G2	WA PARISH	NG	169	Existing
WAP_WAP_G3	WA PARISH	NG	258	Existing
WAP_WAP_G4	WA PARISH	NG	552	Existing
WAP_WAPGT_1	WA PARISH	NG	13	Existing
PNPI_GT2	WA Parish Addition	NG	88	Existing
WEBBER_S_WSP1	WEBBERVILLE	SUN	29	Existing
DG_WSTHL_3UNITS	WESTSIDE	LFG	5	Nonmod
WND_WHITNEY2	WHITNEY DAM	WAT	15	Existing
WFCOGEN_UNIT1	WICHITA FALLS COGEN SWITCH	NG	21	Existing
WFCOGEN_UNIT2	WICHITA FALLS COGEN SWITCH	NG	21	Existing
WFCOGEN_UNIT3	WICHITA FALLS COGEN SWITCH	NG	21	Existing
WFCOGEN_UNIT4	WICHITA FALLS COGEN SWITCH	WH	16	Existing
WIPOPA_WPP_G1	WINCHESTER POWER PARK	NG	46	Existing
WIPOPA_WPP_G2	WINCHESTER POWER PARK	NG	46	Existing
WIPOPA_WPP_G3	WINCHESTER POWER PARK	NG	46	Existing
WIPOPA_WPP_G4	WINCHESTER POWER PARK	NG	46	Existing
WIRTZ_WIRTZ_G1	WIRTZ	WAT	29	Existing
WIRTZ_WIRTZ_G2	WIRTZ	WAT	29	Existing
WCPP_CT1	WISE COUNTY POWER PLANT	NG	260	Existing
WCPP_CT2	WISE COUNTY POWER PLANT	NG	260	Existing
WCPP_ST1	WISE COUNTY POWER PLANT	NG	290	Existing
WHCCS_CT1	WOLF HOLLOW GEN	NG	249	Existing
WHCCS_CT2	WOLF HOLLOW GEN	NG	249	Existing
WHCCS_STG	WOLF HOLLOW GEN	WH	293	Existing
	Total Existing Resources		**65212**	
	Total Planned non-Wind Resources			
PUN AGGREGATE	PUN OUTPUT TO GRID	OTH	4390	PUN
	Adjustment based on PUN info request, 4/5/13	OTH	-59	PUN
	Total Private Use Networks		**4331**	
FTR_FTR_G1	FRONTIER	NG	180	Switchable
FTR_FTR_G2	FRONTIER	NG	180	Switchable
FTR_FTR_G3	FRONTIER	NG	180	Switchable
KMCHI_1CT101	KIAMICHI ENERGY FACILITY	NG	178	Switchable
KMCHI_1CT201	KIAMICHI ENERGY FACILITY	NG	180	Switchable
KMCHI_2CT101	KIAMICHI ENERGY FACILITY	NG	178	Switchable
KMCHI_2CT201	KIAMICHI ENERGY FACILITY	NG	180	Switchable
TGCCS_CT1	TENASKA GATEWAY	NG	162	Switchable
TGCCS_CT2	TENASKA GATEWAY	NG	179	Switchable
TGCCS_CT3	TENASKA GATEWAY	NG	178	Switchable
FTR_FTR_G4	FRONTIER	WH	390	Switchable
KMCHI_1ST	KIAMICHI ENERGY FACILITY	WH	307	Switchable
KMCHI_2ST	KIAMICHI ENERGY FACILITY	WH	307	Switchable
TGCCS_UNIT4	TENASKA GATEWAY	WH	389	Switchable
	Total Switchable Resources		**3168**	
ANACACHO_ANA	Anacacho Windfarm	WND	101	Wind
BRAZ_WND_WND1	Green Mountain Energy 1	WND	99	Wind
BRAZ_WND_WND2	Green Mountain Energy 2	WND	61	Wind

Unit Code	Plant Name	Primary Energy Source	Winter Capacity (MW)	Status
BRTSW_BCW1	Barton Chapel Wind	WND	120	Wind
BCATWIND_WIND_1	Bobcat Bluff	WND	163	Wind
BUFF_GAP_UNIT1	Buffalo Gap Wind Farm 1	WND	121	Wind
BUFF_GAP_UNIT2_1	Buffalo Gap Wind Farm 2	WND	116	Wind
BUFF_GAP_UNIT2_2	Buffalo Gap Wind Farm 2	WND	117	Wind
BUFF_GAP_UNIT3	Buffalo Gap Wind Farm 3	WND	170	Wind
BULLCRK_WND1	Bull Creek Wind Plant	WND	88	Wind
BULLCRK_WND2	Bull Creek Wind Plant	WND	90	Wind
CAPRIDG4_CR4	Capricorn Ridge Wind 4	WND	113	Wind
CAPRIDGE_CR1	Capricorn Ridge Wind 1	WND	215	Wind
CAPRIDGE_CR2	Capricorn Ridge Wind 3	WND	150	Wind
CAPRIDGE_CR3	Capricorn Ridge Wind 2	WND	186	Wind
CEDROHIL_CHW1	Cedro Hill Wind	WND	150	Wind
CHAMPION_UNIT1	Champion Wind Farm	WND	127	Wind
CSEC_CSECG1	Camp Springs 1	WND	134	Wind
CSEC_CSECG2	Camp Springs 2	WND	124	Wind
DG_ROSC2_1UNIT	TSTC West Texas Wind	WND	2	Wind
DG_TURL_UNIT1	WOLFE FLATS	WND	1	Wind
ELB_ELBCREEK	Elbow Creek Wind Project	WND	119	Wind
ENAS_ENA1	Snyder Wind Farm	WND	63	Wind
EXGNWTL_WIND_1	Whitetail Wind Energy Project	WND	91	Wind
FLTCK_SSI	Silver Star	WND	60	Wind
GOAT_GOATWIN2	Goat Wind 2	WND	70	Wind
GOAT_GOATWIND	Goat Wind	WND	80	Wind
HHGT_CALLAHAN	Horse Hollow Wind Callahan	WND	114	Wind
HHGT_HHOLLOW1	Horse Hollow Wind 1	WND	213	Wind
HHGT_HHOLLOW2	Horse Hollow Wind 2	WND	184	Wind
HHGT_HHOLLOW3	Horse Hollow Wind 3	WND	224	Wind
HHGT_HHOLLOW4	Horse Hollow Wind 4	WND	115	Wind
HWF_HWFG1	Hackberry Wind Farm	WND	162	Wind
INDL_INADALE1	Inadale Wind	WND	197	Wind
INDNENR_INDNENR	Desert Sky Wind Farm 1	WND	84	Wind
INDNENR_INDNENR_2	Desert Sky Wind Farm 2	WND	77	Wind
INDNNWP_INDNNWP	Indian Mesa Wind Farm	WND	83	Wind
KEO_KEO_SM1	Sherbino I	WND	150	Wind
KEO_SHRBINO2	Sherbino 2	WND	150	Wind
KING_NE_KINGNE	King Mountain NE	WND	79	Wind
KING_NW_KINGNW	King Mountain NW	WND	79	Wind
KING_SE_KINGSE	King Mountain SE	WND	40	Wind
KING_SW_KINGSW	King Mountain SW	WND	79	Wind
KUNITZ_WIND_LGE	Kunitz Wind	WND	40	Wind
KUNITZ_WIND_NWP	Delaware Mountain Wind Farm	WND	30	Wind
LGD_LANGFORD	Langford Wind Power	WND	155	Wind
LNCRK_G83	Mesquite Wind	WND	200	Wind
LNCRK2_G871	Post Oak Wind 1	WND	100	Wind
LNCRK2_G872	Post Oak Wind 2	WND	100	Wind
LONEWOLF_G1	Loraine Windpark I	WND	50	Wind
LONEWOLF_G2	Loraine Windpark II	WND	51	Wind
LONEWOLF_G3	Loraine Windpark III	WND	26	Wind
LONEWOLF_G4	Loraine Windpark IV	WND	24	Wind
MCDLD_FCW1	Forest Creek Wind Farm	WND	124	Wind
MCDLD_SBW1	Sand Bluff Wind Farm	WND	90	Wind
MOZART_WIND_1	WKN Mozart	WND	30	Wind
MWEC_G1	McAdoo Wind Farm	WND	150	Wind
NWF_NWF1	Notrees-1	WND	153	Wind
OWF_OWF	Ocotillo Wind Farm	WND	60	Wind
PC_NORTH_PANTHER1	Panther Creek 1	WND	143	Wind
PC_SOUTH_PANTHER2	Panther Creek 2	WND	116	Wind
PC_SOUTH_PANTHER3	Panther Creek 3	WND	200	Wind
PYR_PYRON1	Pyron Wind Farm	WND	249	Wind
RDCANYON_RDCNY1	Red Canyon	WND	84	Wind
SENATEWD_UNIT1	Senate Wind Project	WND	150	Wind
SGMTN_SIGNALMT	Texas Big Spring	WND	34	Wind
STWF_T1	South Trent Wind Farm	WND	101	Wind
SW_MESA_SW_MESA	West Texas Wind Energy	WND	74	Wind
SWEC_G1	Stanton Wind Energy	WND	124	Wind
SWEETWN2_WND2	Sweetwater Wind 3	WND	98	Wind
SWEETWN2_WND24	Sweetwater Wind 2	WND	16	Wind
SWEETWN3_WND3A	Sweetwater Wind 4	WND	30	Wind
SWEETWN3_WND3B	Sweetwater Wind 4	WND	101	Wind
SWEETWN4_WND4A	Sweetwater Wind 7	WND	118	Wind
SWEETWN4_WND4B	Sweetwater Wind 6	WND	104	Wind
SWEETWN4_WND5	Sweetwater Wind 5	WND	79	Wind
SWEETWND_WND1	Sweetwater Wind 1	WND	37	Wind
TKWSW1_ROSCOE	Roscoe Wind Farm	WND	209	Wind
TRENT_TRENT	Trent Wind Farm	WND	151	Wind
TRINITY_TH1_BUS1	Trinity Hills	WND	118	Wind
TRINITY_TH1_BUS2	Trinity Hills	WND	108	Wind
TTWEC_G1	Turkey Track Wind Energy Center	WND	170	Wind
WEC_WECG1	Whirlwind Energy	WND	57	Wind
WHTTAIL_WR1	Wolfe Ridge	WND	113	Wind
WOODWRD1_WOODWRD1	Pecos Wind (Woodward 1)	WND	83	Wind
WOODWRD2_WOODWRD2	Pecos Wind (Woodward 2)	WND	77	Wind
COTTON_PAP2	Papalote Creek Wind	WND	200	Wind*
DG_NUECE_6UNITS	Harbor Wind	WND	9	Wind*
LV1_LV1B	Los Vientos 1	WND	200	Wind*
LV1_LV1A	Los Vientos 2	WND	200	Wind*
PAP1_PAP1	Papalote Creek Wind Farm	WND	180	Wind*
PENA_UNIT1	Penascal Wind	WND	161	Wind*
PENA_UNIT2	Penascal Wind	WND	142	Wind*
PENA3_UNIT3	Penascal Wind	WND	101	Wind*
REDFISH_MV1A	Magic Valley Wind	WND	103	Wind*
REDFISH_MV1B	Magic Valley Wind	WND	103	Wind*
TGW_T1	Gulf Wind I	WND	142	Wind*
TGW_T2	Gulf Wind II	WND	142	Wind*
	Total Wind Resources		**10970**	
BLSUMMIT_BLSMT1_5	Blue Summit Windfarm 1	WND	9	New

Unit Code	Plant Name	Primary Energy Source	Winter Capacity (MW)	Status
BLSUMMIT_BLSMT1_6	Blue Summit Windfarm 2	WND	126	New
	Total Planned Wind Resources		**135**	

* Coastal Wind

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 impact the sufficiency of installed resources to meet the peak electrical demand on the ERCOT System during a particular season.

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

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

The SARA report is intended to illustrate the range of resource adequacy outcomes that might occur, and thus help fulfill the reporting requirement per Public Utility Commission of Texas rule 25.362(i)(2)(H). Several sensitivity analyses are developed by varying the value of certain parameters that affect resource adequacy. The variation in these parameters is either based on historic values of these parameters, adjusted by any known or expected change.