

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,500 MW
Distillate	0 MW
Total TNB	5,291 MW
Total IPP	13,822 MW
Total Co-Gen	57 MW
Total System	19,170 MW

Generation Mix

Type	MWh	Percentage
Gas	51,765	14.22 %
Hydro	33,104	9.09 %
Total TNB	84,869	23.32 %
ST-Coal	145,157	39.88 %
ST-Oil	6,527	1.79 %
Gas	93,745	25.75 %
Distillate	32,504	8.93 %
Total IPP	277,933	76.36 %
Co-Gen	1,061	0.29 %
Total Co-Gen	1,061	0.29 %
Total Generation	363,863	99.96 %
PLTG	301	0.08 %
HVDC	-429	-0.12 %
Interconnection	-128	-0.04 %
Net Energy	363,991	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,600 MW
TNB Generation	4,506 MW
IPP Generation	12,606 MW
Spinning Reserve	1,444 MW
Maximum Demand	17,238 MW
Net Energy	363,991 MWH
Load Factor	87.98 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	878
Hydro	343
Syncon	246
Thermal	111
Total	1,578

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	45	PDPS	4
GLGR	53	PTEK	10
PAKA	46	KLPP	31
PGPS	43	PLPS	72
SRDG	4	SGB3	38
TJGS	20	SGRI	117
TJGS	184	PKLG	66
Total TNB	396	Total	338
CBPS	56		
KLPP	67		
MPSS	47		
NPRI	74		
PDPS	0		
PGLA	111		
PLPS	32		
PTEK	0		
SGB3	54		
SGRI	70		
SKSP	36		
YPKA	103		
Total IPP	651		
Total Gas	1,046		
Total Gas Required	1,384		

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	14592	13903	13394	13047	12746	12585	12643	12803	13207	14990	16000	16593	16604	16332	17011	17129	17238	16941	15797	15834	16454	16300	15834	15535

Daily MW Generation on Wednesday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
JMAH	U001	689	693	693	692	691	693	692	694	693	694	690	693	692	693	694	694	692	692	692	692	692	692	692	692	692
JMAH	U002	693	696	691	694	693	695	692	695	694	693	692	692	692	693	693	694	695	696	695	693	693	693	691	693	693
JMJC	U002	559	546	551	530	444	447	512	546	547	596	667	679	672	677	677	683	686	686	687	688	687	685	687	687	687
JMJC	U004	947	945	948	950	948	901	898	810	801	801	804	803	793	793	793	794	825	906	902	904	904	943	952	951	
PKLG	U003	282	283	284	283	282	282	284	274	273	282	282	280	282	283	284	283	284	281	279	284	279	280	279	282	281
PKLG	U004	283	282	279	280	278	279	278	281	279	282	280	281	280	281	281	280	281	280	279	278	279	280	279	281	280
PKLG	U006	470	468	469	472	469	469	469	470	470	471	465	470	469	472	471	470	471	468	468	469	471	470	472	470	470
TBIN	U001	687	690	691	688	691	689	689	689	689	687	687	688	688	687	690	691	690	689	689	689	689	689	689	689	687
TBIN	U002	691	689	687	694	691	693	689	690	690	689	689	688	696	691	689	683	689	689	687	692	690	689	689	691	687
TBIN	U003	690	690	691	690	693	693	690	690	690	689	690	692	687	692	688	689	689	691	691	692	687	690	689	689	691
Total ST-Coal		5991	5982	5984	5973	5880	5841	5893	5839	5826	5886	5946	5963	5958	5954	5962	5961	5997	6063	6077	6078	6080	6118	6128	6120	6120
PKLG	U001	144	144	143	144	144	145	144	144	144	144	144	144	144	144	143	144	144	144	144	144	144	144	144	144	144
PKLG	U002	145	143	145	145	145	145	145	145	145	145	145	145	161	233	277	282	284	210	142	143	143	141	0	0	0
Total ST-Oil		289	287	288	289	289	290	289	289	289	289	289	289	305	377	420	426	428	354	286	288	257	236	95	95	95
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT1B	99	99	99	99	99	99	99	99	88	88	87	88	87	88	88	87	87	87	84	84	99	99	99	98	98
CBPS	ST1C	42	41	43	42	42	42	42	43	35	35	34	35	34	35	36	38	40	39	37	92	102	101	101	101	98
CBPS	BLK2	365	379	375	375	367	374	360	378	375	374	376	375	369	372	377	377	380	375	370	377	375	378	373	371	371
GLGR	GT01	99	100	98	99	82	67	66	69	68	69	68	69	67	68	67	68	68	68	68	68	68	68	68	68	68
GLGR	GT02	100	100	99	100	80	67	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
GLGR	ST1C	92	92	92	90	83	72	71	72	71	72	71	72	71	72	71	71	71	71	71	71	71	71	71	71	71
KLPP	GT13	107	117	112	109	109	108	103	108	108	69	65	66	66	65	65	66	66	70	65	69	106	106	128	138	139
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	112	123	76	0	0	0	0	0	0	0	0	0	0	0	0	19	76	140	141	117	117	141	139	138	139
KLPP	ST17	180	182	173	115	116	118	118	118	118	112	100	99	99	100	92	105	103	148	169	170	177	181	186	192	192
MPSS	GT01	98	107	107	107	107	108	107	93	95	91	92	93	88	90	90	91	88	87	89	103	96	94	93	93	93
MPSS	GT02	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	90	101	93	93	92	92	95	93	94
MPSS	ST01	100	50	51	51	51	51	51	41	39	39	39	40	39	39	37	39	38	41	51	113	98	98	98	98	98
NPRI	BLK1	475	501	493	491	487	488	470	356	362	372	446	526	355	472	419	334	515	376	318	451	512	511	454	514	503
PAKA	CT4A	94	95	95	95	96	94	95	95	86	84	84	85	84	85	85	85	85	85	85	85	85	85	85	85	85
PAKA	CT4B	79	83	81	81	80	80	78	82	82	73	72	72	70	70	71	72	72	70	72	72	71	71	71	70	70
PAKA	ST4C	87	88	87	87	87	87	86	87	87	79	76	75	75	75	75	75	75	75	76	77	77	77	77	77	77
PCGP	PGRC	100	98	99	99	98	99	98	100	99	99	99	99	97	101	50	50	44	261	389	247	250	398	395	395	
PGLA	GT11	189	185	185	186	184	184	178	188	188	189	187	187	185	183	185	185	185	185	180	184	184	223	223	223	223
PGLA	GT12	203	189	189	188	187	188	184	194	194	195	194	189	188	189	190	190	188	184	188	189	227	227	226	226	225
PGLA	ST10	224	223	216	216	216	216	206	210	210	208	208	210	217	216	214	216	216	216	216	233	249	248	248	247	249
PGPS	GT3A	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	69	88	93	94	93	93	93	94	
PGPS	GT3B	95	96	95	95	95	95	93	95	70	70	70	70	69	70	70	69	70	74	88	95	94	95	94	94	
PGPS	ST3C	89	44	44	43	43	43	44	31	30	29	29	29	29	29	29	29	29	31	71	90	92	91	92	92	
PLPS	GT12	113	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	195	186	138	138	138	138	137	139	138	138	139	138	139	139	138	139	139	139	145	200	200	201	199	199	
SGB3	GT31	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	136	136	135	135	136	136	136	
SGB3	GT32	108	117	113	112	109	112	106	71	73	71	72	72	72	69	73	71	75	72	71	74	113	114	114	114	
SGB3	ST34	193	146	129	129	130	130	128	117	115	115	115	112	111	111	114	117	120	116	182	182	194	199	198	198	
SGRI	CT11	104	110	104	108	106	105	101	67	70	70	69	70	65	67	69	67	71	68	69	72	111	112	108	109	

Daily MW Generation on Wednesday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																											
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	50	50	30	30	30	30	30	30	35	35	34	34	34	0	0	0	0	0	50	50	30	30	0	0	0	0	0								
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	33	33	51	51	51	34	34	34	0	0	0	0	0	51	50	30	30	0	0	0	0	0									
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	25	25	25	25	25	25	17	0	0	0	0	0	25	25	17	17	0	0	0	0	0									
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	25	25	25	25	25	17	0	0	0	0	0	25	25	17	17	6	0	0	0	0										
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	17	25	25	25	25	25	17	0	0	0	0	0	25	25	17	17	0	0	0	0	0											
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	17	23	25	25	25	25	17	0	0	0	0	0	25	25	17	17	0	0	0	0	0											
TMGR	HY01	27	31	31	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	80	82	82	82	82	82	82	82	82	82	82	81	82	82	80	60	82	82	82	82	82	82	72	62	31	31									
TMGR	HY02	28	33	33	33	32	33	27	33	33	33	33	33	33	33	33	81	78	81	81	81	81	81	81	81	81	81	80	81	81	81	81	83	84	84	82	74	84	84	84	84	84	80	64	64	33						
TMGR	HY03	26	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	77	79	79	79	79	79	79	79	79	79	79	79	79	79	79	78	79	79	79	79	79	79	79	79	79	79	76	60	30	30					
TMGR	HY04	26	31	31	31	18	0	0	0	0	0	0	0	0	0	0	81	78	81	81	81	81	81	81	81	81	81	80	81	81	81	77	81	81	80	81	81	81	81	81	81	81	78	61	61	31						
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7					
Total Hydro		967	943	934	903	887	871	843	787	809	793	789	790	735	737	768	768	870	1506	1484	1502	1560	1756	1875	1992	1954	1909	1914	2049	2205	2141	2144	2157	2008	2019	1762	1687	1256	1163	1233	1744	1733	1613	1468	1431	1261	1173	1113	1043			
KLPP	GT14	137	137	138	138	138	138	138	138	138	138	138	138	138	138	136	136	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	139	95	0	0	0	0	0	0	0	0	0	0	0	0			
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT11	147	151	153	154	149	153	145	153	152	152	152	152	150	153	151	152	152	147	152	152	152	151	151	146	145	147	147	147	143	146	145	142	142	145	142	140	147	146	146	145	145	146	142	147	146	145	145	145			
PLPS	GT13	146	149	151	150	148	149	143	149	150	152	150	151	150	147	149	150	145	146	150	150	147	148	148	146	143	145	146	146	141	145	145	142	142	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGB3	GT33	125	121	121	121	121	121	122	122	122	122	124	124	124	123	124	123	127	128	128	127	128	128	127	126	126	126	124	126	124	125	124	125	125	125	125	125	125	125	125	125	125	127	126	126	127	127	126	126	126	126	
SGRI	GT12	127	134	129	129	130	130	123	130	129	133	130	133	129	128	129	128	132	129	130	111	112	133	130	130	130	130	130	130	133	134	131	127	130	130	130	130	130	130	130	130	127	134	130	130	133	129	131	127	131	130	130
SGRI	GT21	122	122	123	123	123	123	124	124	124	124	124	124	124	124	125	125	125	123	124	124	123	123	122	122	123	122	122	122	122	122	122	122	122	120	120	123	124	120	124	122	122	123	123	122	122	123	123	123	123		
SGRI	GT23	132	132	133	133	133	133	133	133	133	133	134	134	134	134	135	134	134	134	134	134	134	133	133	133	133	133	133	133	133	132	132	132	132	132	132	132	132	132	132	132	133	133	131	134	134	134	133	133	133		
Total Distillate		936	946	948	948	942	947	928	949	948	954	950	955	951	946	951	950	955	944	947	935	934	959	951	951	951	940	938	942	946	1256	1351	1359	1356	1349	1306	831	653	645	665	655	658	662	658	651	660	658	657				
PCUF	CUFG	13	13	13	13	12	13	12	13	12	13	13	13	13	13	13	13	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	11	11	12	12	12	12	12	12				
PCUF	CUFK	32	32	32	31	32	32	33	33	33	33	33	32	32	31	34	33	32	33	31	33	34	31	31	32	33	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	33	32	32	32	34	32	31	32	32	33	
Total Co-Gen		45	45	45	44	44	45	46	46	45	45	46	46	44	47	46	45	46	44	46	46	42	42	43	44	43	43	43	43	43	44	42	44	43	43	42	42	42	43	44	43	44	44	46	44	43	44	44	45			
Total Gen		14670	14294	13920	13700	13430	13269	13140	12872	12806	12596	12591	12700	12669	12841	12853	12793	13255	14180	15030	15444	15803	16254	16470	16677	16526	16294	16281	16518	16856	17084	17106	17081	17156	17190	16883	16250	15755	15489	15886	16631	16527	16567	16319	16234	15942	15854	15589	15324			
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		30	30	31	31	30	28	30	30	31	31	31	30	30	30	30	30	-100	-99	-100	-99	-98	-98	-97	-97	-99	-99	-100	-97	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	
TIE-PLTC		47	-12	-14	49	6	22	63	-24	30	-38	-25	-21	-4	16	20	14	17																																		