

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,590 MW
Hydro	2,130 MW
Distillate	0 MW
Total TNB	5,720 MW
Total IPP	13,529 MW
Total Co-Gen	56 MW
Total System	19,869 MW

Generation Mix

Type	MWh	Percentage
Gas	49,610	15.96 %
Hydro	9,531	3.07 %
Total TNB	59,141	19.03 %
ST-Coal	153,950	49.53 %
Gas	96,380	31.01 %
Total IPP	250,330	80.53 %
Co-Gen	1,100	0.35 %
Total Co-Gen	1,100	0.35 %
Total Generation	310,571	99.91 %
PLTG	-984	-0.32 %
HVDC	718	0.23 %
Interconnection	-266	-0.09 %
Net Energy	310,837	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,025 MW
TNB Generation	2,837 MW
IPP Generation	11,359 MW
Spinning Reserve	1,786 MW
Maximum Demand	14,191 MW
Net Energy	310,837 MWH
Load Factor	91.27 %

Fuel Cost

Total Cost:	40,487,625.85 RM
Cost per Unit	13.45 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	385
Hydro	257
Syncon	886
Thermal	349
Total	1,877

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	33
PGPS	51
SRDG	13
TJGS	216
Total TNB	369
CBPS	2
KLPP	96
NPRI	155
PDPS	7
PGLA	110
PKLG	3
PLPS	94
PTEK	25
SGRI	192
SKSP	55
Total IPP	738
Total Gas	1,106
Total Gas Required	1,106

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13098	12555	12089	11775	11495	11363	11294	11251	11131	12413	13197	13938	13863	13586	13943	14040	13964	13595	13260	13225	14191	14125	13673	13499

Daily MW Generation on Saturday

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																									
Total Co-Gen		48	50	50	47	46	49	48	47	48	47	48	50	49	49	48	47	48	46	47	47	45	44	45	46	43	40	43	45	44	43	43	43	45	46	43	45	44	46	47	46	43	45	46	42	44	44	46	46	
Total Gen		13081	12743	12512	12281	12062	11770	11751	11569	11458	11379	11361	11272	11314	11472	11263	11142	11119	11817	12383	12896	13173	13458	13893	13952	13890	13691	13829	13774	13950	14055	14014	14019	14004	13881	13594	13436	13280	13121	13213	13785	14240	14177	14121	13955	13683	13592	13441	13151	
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	30	30	31	31	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	29	29	30	30	30	29	29	30	30	29	29	30	30	30	30	30	30	30	30	30	31	31	
TIE-PLTG		-48	-87	-73	-79	-59	-58	-54	-22	-67	-29	-32	-52	-11	50	-19	-34	-43	-70	-61	-44	-30	-85	-76	-53	-4	-29	13	-84	-24	-40	-57	-52	9	-18	-32	-25	-10	-18	-42	-70	18	-22	-35	-25	-21	-84	-89	-90	
Interconnection		-18	-57	-44	-49	-28	-27	-25	7	-38	1	-3	-23	19	79	11	-4	-13	-40	-31	-14	1	-54	-46	-22	26	1	42	-54	6	-9	-27	-22	39	12	-2	4	19	12	-13	-40	48	8	-5	5	9	-53	-59	-59	
System Total		13098	12799	12555	12329	12089	11796	11775	11561	11495	11377	11363	11294	11294	11392	11251	11145	11131	11856	12413	12909	13197	13511	13938	13973	13863	13689	13586	13827	13943	14063	14040	14040	13964	13868	13595	13431	13260	13108	13225	13824	14191	14190	14125	13949	13673	13644	13499	13205	
SRev ST-Coal		154	151	160	163	207	218	228	284	280	281	279	270	278	288	278	273	278	279	378	385	384	358	337	344	342	339	346	337	347	336	342	340	339	338	339	340	344	353	336	338	346	345	344	345	348	342	343	333	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	41	72	79	83	80	85	72	73	75	88	143	154	165	180	166	172	167	159	10	57	59	82	99	99	55	0	0	
SRev CCGT-Gas		1145	1490	976	1301	979	1017	1058	1241	1353	1454	1453	1582	1499	1335	1552	1685	1700	1051	902	534	467	362	291	226	284	304	246	172	187	187	385	269	392	355	343	280	448	418	359	132	209	194	162	206	264	205	208	229	
SRev 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		8	6	6	9	10	7	8	9	8	9	8	6	7	7	8	9	8	10	9	9	11	12	11	10	13	16	13	11	12	13	13	13	11	10	13	11	12	10	9	10	13	11	10	14	12	12	10	10	
Syncon		1166	1166	975	975	975	975	975	1065	1065	914	1065	914	1065	1065	1065	1065	1069	918	918	830	855	855	855	1069	1070	1070	959	809	467	491	592	954	1145	1145	1080	1080	1080	1080	907	756	1080	1080	1080	929	929	854			
Hydro		154	152	332	156	211	229	246	124	119	245	114	246	118	116	116	114	118	115	115	172	227	71	147	141	147	58	174	166	217	218	317	371	354	210	199	199	146	138	137	130	60	373	140	138	138	269	132	180	
S.Reserve Total		2727	3065	2549	2704	2482	2546	2615	2723	2825	2903	2919	3018	2967	2811	3019	3146	3169	2520	2473	2018	2033	1674	1713	1659	1728	1870	1938	1832	1799	1642	1806	1821	1846	2036	2223	2145	2206	2360	2274	1894	1786	1932	2012	2101	2135	2006	1816	1610	