

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,113 MW
Hydro	2,002 MW
Distillate	0 MW
Total TNB	5,115 MW
Total IPP	14,056 MW
Total Co-Gen	0 MW
Total System	19,735 MW

Generation Mix

Type	MWh	Percentage
Gas	37,010	11.03 %
Hydro	19,455	5.80 %
Total TNB	56,465	16.83 %
ST-Coal	184,352	54.93 %
Gas	93,333	27.81 %
Total IPP	277,685	82.74 %
Co-Gen	1,313	0.39 %
Total Co-Gen	1,313	0.39 %
Total Generation	335,463	99.96 %
PLTG	571	0.17 %
HVDC	-700	-0.21 %
Interconnection	-129	-0.04 %
Net Energy	335,592	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:	20:30:00 Hour
Total Set On Bus	16,758 MW
TNB Generation	2,791 MW
IPP Generation	12,661 MW
Spinning Reserve	1,251 MW
Maximum Demand	15,514 MW
Net Energy	335,592 MWH
Load Factor	90.13 %

Fuel Cost

Total Cost:	52,520,916.42 RM
Cost per Unit	62.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	461
Hydro	339
Syncon	505
Thermal	112
Total	1,417

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	14566	13906	13456	13036	12696	12296	12227	12067	11858	13113	13990	14617	14621	14288	14605	14849	14940	14695	14228	14106	15512	15472	15196	14911

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	1
SRDG	1
TJGS	212
Total TNB	264
CBPS	54
KLPP	80
NPRI	155
PGLA	107
PLPS	69
PTEK	2
SGB3	63
SGRI	81
SKSP	52
Total IPP	661
Total Gas	926

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required	926
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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 Gen		14679	14229	13924	13718	13349	13175	12995	12679	12690	12548	12298	12306	12243	12268	12098	11805	11813	12554	13076	13634	13952	14325	14588	14728	14587	14505	14274	14576	14582	14888	14818	14870	14925	14828	14662	14451	14217	14003	14116	14959	15476	15507	15499	15382	15236	14981	14923	14799		
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	0
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-29	-29	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-28	-28	-29	
TIE-PLTG		142	39	47	35	-77	53	-11	-44	23	85	32	9	45	44	60	44	-15	5	-8	-6	-10	20	1	-1	-6	58	16	69	7	36	-1	35	15	47	-4	5	18	40	40	-38	-6	22	57	23	70	32	40	57		
Interconnection		113	10	18	6	-107	24	-41	-73	-6	55	2	-20	16	15	31	15	-45	-24	-37	-35	-38	-9	-29	-30	-34	29	-14	39	-23	6	-31	6	-15	18	-33	-24	-11	10	10	-67	-36	-7	27	-7	40	4	12	28		
System Total		14566	14219	13906	13712	13456	13151	13036	12752	12696	12493	12296	12326	12227	12253	12067	11790	11858	12578	13113	13669	13990	14334	14617	14758	14621	14476	14288	14537	14605	14882	14849	14864	14940	14810	14695	14475	14228	13993	14106	15026	15512	15514	15472	15389	15196	14977	14911	14771		
SRev ST-Coal		104	104	112	50	187	258	248	248	273	266	258	256	258	242	258	255	253	254	81	144	242	207	160	150	153	152	133	-208	-153	120	126	213	-12	139	142	106	154	170	152	232	204	110	169	122	137	166	39	177		
SRev OCGT-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	0
SRev CCGT-Gas		429	537	577	753	925	917	1027	1319	1258	1384	1655	1657	1645	1642	1795	2076	2055	1367	858	496	647	535	385	366	432	277	462	516	659	372	386	326	449	361	242	390	688	895	928	409	313	337	301	622	439	707	769	685		
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	0
SRev Co-Gen		3	5	3	3	3	4	3	4	1	4	2	2	4	2	1	1	0	2	2	3	3	2	5	6	5	6	6	5	3	5	3	3	3	4	6	3	4	4	1	4	5	3	2	5	3	3	2	2		
Syncon		277	705	705	705	705	705	791	876	876	876	876	876	876	876	876	876	876	876	876	876	705	705	554	453	302	579	579	579	579	302	302	0	302	579	579	663	705	789	874	453	151	302	554	705	705	705	705	705		
Hydro		555	193	195	230	201	172	199	134	79	99	85	77	72	67	68	85	71	70	69	67	230	201	358	197	421	263	327	328	326	409	461	534	402	305	397	231	304	376	268	391	587	499	383	322	387	375	189	203		
S.Reserve Total		1368	1544	1592	1741	2021	2056	2182	2496	2487	2629	2876	2868	2855	2829	2998	3293	3255	2569	1886	1586	1827	1650	1462	1197	1313	1277	1507	1220	1414	1208	1278	1076	1204	1451	1517	1436	1855	2234	2223	1489	1260	1251	1409	1776	1671	1956	1704	1772		