

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,194 MW
Hydro	2,276 MW
Distillate	0 MW
Total TNB	5,470 MW
Total IPP	14,701 MW
Total Co-Gen	25 MW
Total System	20,196 MW

Generation Mix

Type	MWh	Percentage
Gas	32,972	10.91 %
Hydro	5,489	1.82 %
Total TNB	38,461	12.73 %
ST-Coal	179,852	59.53 %
Gas	82,474	27.30 %
Total IPP	262,326	86.83 %
Co-Gen	533	0.18 %
Total Co-Gen	533	0.18 %
Total Generation	301,320	99.74 %
PLTG	-94	-0.03 %
HVDC	-695	-0.23 %
Interconnection	-789	-0.26 %
Net Energy	302,109	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	15,290 MW
TNB Generation	1,837 MW
IPP Generation	11,786 MW
Spinning Reserve	1,647 MW
Maximum Demand	13,653 MW
Net Energy	302,109 MWH
Load Factor	92.20 %

Fuel Cost

Total Cost:	40,834,449.20 RM
Cost per Unit	13.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	634
Hydro	148
Syncon	1,089
Thermal	88
Total	1,959

Time Weather Temperature

Afternoon	Hot	25
Morning	Sunny	29

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	14
SRDG	3
TJGS	168
Total TNB	239
CBPS	55
KLPP	91
NPRI	139
PGLA	98
PLPS	66
PTEK	5
SGRI	162
Total IPP	617
Total Gas	856

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 856

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	13400	12806	12360	11872	11539	11356	11364	11336	11154	12163	12941	13385	13279	12891	13062	13102	13004	12842	12565	12937	13653	13497	12934	12669

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																								
Syncon		1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142																								
Hydro		127	130	124	128	126	128	130	128	131	128	251	253	123	122	123	128	126	127	246	117	118	115	114	241	256	123	118	123	108	116	116	118	118	111	112	110	110	110	112	114	239	110	79	238	109	275	110	110
S.Reserve Total		1854	1841	1868	1797	1863	2001	2205	2337	2495	2561	2701	2762	2590	2257	2470	2747	2721	2589	2300	2037	1801	1574	1296	1600	1757	2100	2225	2224	2384	2068	2075	2128	2224	2244	2482	2657	2749	2569	2226	1665	1647	1741	1804	2050	2223	2102	2196	2417