

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,623 MW
Hydro	1,858 MW
Distillate	0 MW
Total TNB	5,481 MW
Total IPP	13,389 MW
Total Co-Gen	29 MW
Total System	19,466 MW

Generation Mix

Type	MWh	Percentage
Gas	44,717	15.36 %
Hydro	5,402	1.86 %
Total TNB	50,119	17.21 %
ST-Coal	179,653	61.69 %
Gas	59,709	20.50 %
Total IPP	239,362	82.20 %
Co-Gen	387	0.13 %
Total Co-Gen	387	0.13 %
Total Generation	289,868	99.54 %
PLTG	-635	-0.22 %
HVDC	-697	-0.24 %
Interconnection	-1,332	-0.46 %
Net Energy	291,200	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 00:00:00 Hour
Total Set On Bus	14,845 MW
TNB Generation	2,713 MW
IPP Generation	10,753 MW
Spinning Reserve	1,364 MW
Maximum Demand	13,562 MW
Net Energy	291,200 MWH
Load Factor	89.47 %

Fuel Cost

Total Cost:	35,187,464.30 RM
Cost per Unit	12.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	878
Hydro	160
Syncon	681
Thermal	224
Total	1,943

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	51
PGPS	30
TJGS	196
Total TNB	331
CBPS	54
KLPP	73
PGLA	98
PLPS	39
SGRI	147
SKSP	47
Total IPP	459
Total Gas	789
Total Gas Required	789

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	13562	12890	12535	12222	11821	11596	11477	10987	10190	10621	11233	11692	11775	11878	12110	12169	12316	12237	11984	12189	13545	13534	13319	13141

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																								
SRev CCGT-Gas		610	842	616	691	399	495	493	528	620	785	804	976	1083	1142	1585	1721	1741	1707	1496	1298	1326	1131	949	930	1010	1066	1079	969	979	938	929	827	828	833	903	986	1021	1133	889	351	418	384	225	313	473	486	301	182
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
SRev Co-Gen		14	11	11	11	14	11	11	14	12	10	12	12	11	12	13	12	13	13	12	12	15	13	11	14	11	11	14	15	14	16	14	15	16	14	14	15	14	13	14	13	14	13	14	14	13	14	13	12
Syncon		573	573	674	674	523	674	674	674	523	523	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674
Hydro		162	158	120	144	231	107	112	117	251	248	121	122	114	119	130	145	145	138	255	128	127	125	129	126	132	259	130	123	137	130	131	134	133	138	262	150	148	143	128	248	84	187	132	137	132	132	113	96
S.Reserve Total		1364	1628	1436	1656	1449	1569	1540	1583	1630	1786	1844	1907	2067	2179	2692	3191	3304	3167	2930	2681	2401	2094	1932	1827	2159	1906	2084	2012	2045	1973	1989	1879	2025	2012	2067	2200	2227	2342	2093	1495	1333	1442	1367	1438	1637	1665	1435	1317