

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,623 MW
Hydro	1,710 MW
Distillate	0 MW
Total TNB	5,333 MW
Total IPP	13,894 MW
Total Co-Gen	27 MW
Total System	19,821 MW

Generation Mix

Type	MWh	Percentage
Gas	46,859	15.75 %
Hydro	7,149	2.40 %
Total TNB	54,008	18.15 %
ST-Coal	185,490	62.35 %
Gas	56,651	19.04 %
Total IPP	242,141	81.40 %
Co-Gen	358	0.12 %
Total Co-Gen	358	0.12 %
Total Generation	296,507	99.67 %
PLTG	-385	-0.13 %
HVDC	-596	-0.20 %
Interconnection	-981	-0.33 %
Net Energy	297,488	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	15,666 MW
TNB Generation	2,824 MW
IPP Generation	11,431 MW
Spinning Reserve	1,395 MW
Maximum Demand	14,355 MW
Net Energy	297,488 MWH
Load Factor	86.35 %

Fuel Cost

Total Cost:	35,613,519.85 RM
Cost per Unit	12.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	300
Hydro	207
Syncon	714
Thermal	210
Total	1,431

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

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	12919	12330	11964	11591	11296	11093	10972	10656	10321	10911	11619	12175	12464	12490	12702	12982	13034	12995	12578	12845	14321	14299	14206	14260

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	52
PGPS	26
SRDG	10
TJGS	205
Total TNB	347
CBPS	55
KLPP	81
PGLA	84
PLPS	63
PTEK	9
SGRI	144
SKSP	2
Total IPP	436
Total Gas	784

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 784

Daily MW Generation on Sunday

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 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	68	19	124	132	136	131	109	71	71						
SRev CCGT-Gas		325	654	529	340	554	646	749	1066	1096	1233	1337	1376	1434	1167	1172	1451	1281	1174	1324	1214	936	490	317	208	398	349	454	331	295	185	359	251	265	233	372	555	736	754	747	283	297	151	133	131	142	125	114	152	
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		12	14	11	11	11	11	11	11	11	11	12	10	12	12	13	10	10	11	11	9	10	11	11	12	13	13	13	13	13	13	13	13	13	14	13	14	13	13	15	12	14	11	14	13	12	13	11	13	
Syncon		800	800	649	800	800	800	649	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
Hydro		132	108	214	86	89	126	131	257	123	122	110	120	258	221	130	138	116	121	123	128	77	251	231	126	143	155	165	117	260	129	117	95	114	103	149	164	167	171	157	451	387	307	326	329	287	243	214	217	
S.Reserve Total		1485	1775	1628	1432	1666	1808	1933	2191	2259	2374	2480	2516	2568	2539	2643	2924	2938	2716	2560	2425	1958	1534	1423	1367	1561	1536	1636	1477	1426	1346	1493	1371	1407	1377	1539	1744	1939	1951	1923	1472	1379	1395	1412	1435	1464	1510	1421	1468	