

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,704 MW
Hydro	2,307 MW
Distillate	0 MW
Total TNB	5,011 MW
Total IPP	14,125 MW
Total Co-Gen	0 MW
Total System	19,700 MW

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:	21:00:00 Hour
Total Set On Bus	15,886 MW
TNB Generation	2,261 MW
IPP Generation	12,338 MW
Spinning Reserve	1,212 MW
Maximum Demand	14,660 MW
Net Energy	309,763 MWH
Load Factor	88.04 %

Gas Usage

Station	(mmscfd)
GLGR	56
PGPS	26
TJGS	106
Total TNB	188
CBPS	56
KLPP	94
MPSS	42
NPRI	147
PGLA	113
PLPS	64
SGRI	166
SKSP	52
Total IPP	734
Total Gas	922
Total Gas Required	922

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	25,466	8.22 %
Hydro	11,403	3.68 %
Total TNB	36,869	11.90 %
ST-Coal	172,762	55.77 %
Gas	98,882	31.92 %
Total IPP	271,644	87.69 %
Co-Gen	1,840	0.59 %
Total Co-Gen	1,840	0.59 %
Total Generation	310,353	100.19 %
PLTG	-129	-0.04 %
HVDC	719	0.23 %
Interconnection	590	0.19 %
Net Energy	309,763	100.00 %

Fuel Cost

Total Cost:	49,033,284.60 RM
Cost per Unit	16.40 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	295
Hydro	277
Syncon	765
Thermal	166
Total	1,503

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

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	13582	12977	12575	12084	11832	11608	11648	11304	10901	11542	12257	12863	13106	13112	13351	13533	13625	13374	12953	13142	14471	14660	14466	14233

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 ST-Coal		182	243	240	263	283	270	290	283	265	144	162	197	161	172	159	163	164	161	160	177	183	157	174	190	170	164	156	162	166	158	172	160	142	172	161	167	180	179	135	174	169	167	165	178	169	160	162	173	
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
SRev CCGT-Gas		709	557	413	451	523	649	822	957	1155	1391	1399	1361	1130	1097	1322	1707	1746	1390	1197	666	415	417	341	181	225	384	187	286	372	218	367	482	510	461	557	625	732	684	709	370	249	264	177	180	309	118	183	321	
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		-29	-29	-30	-28	-31	-31	-31	-31	-32	-30	-30	-32	-34	-29	-32	-32	-31	-31	-30	-27	-28	-30	-28	-27	-26	-26	-28	-28	-28	-25	-26	-28	-28	-26	-26	-28	-29	-28	-26	-27	-27	-27	-27	-26	-27	-30	-29	-27	
Syncon		1065	1061	1061	1061	1061	1162	1162	1162	1162	1011	1162	1162	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	860	1011	860	860	860	633	633	633	675	826	826	977	977	851	489	423	423	574	574	784	784	910
Hydro		127	129	107	106	125	120	112	118	117	242	114	109	219	195	114	116	115	111	108	112	94	97	102	101	102	102	227	140	272	267	180	315	326	329	436	281	324	308	287	196	390	363	464	472	523	370	412	263	
S.Reserve Total		2059	1966	1796	1858	1966	2175	2360	2494	2672	2763	2812	2802	2492	2451	2730	3121	3161	2647	2451	1944	1680	1657	1600	1456	1482	1635	1407	1576	1642	1478	1563	1572	1593	1579	1813	1881	2048	2135	2097	1579	1280	1200	1212	1388	1558	1412	1522	1650	