

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,548 MW
Hydro	2,280 MW
Distillate	0 MW
Total TNB	4,828 MW
Total IPP	14,109 MW
Total Co-Gen	0 MW
Total System	19,501 MW

Generation Mix

Type	MWh	Percentage
Gas	24,152	8.36 %
Hydro	11,186	3.87 %
Total TNB	35,338	12.23 %
ST-Coal	175,029	60.59 %
Gas	76,450	26.47 %
Total IPP	251,479	87.06 %
Co-Gen	2,010	0.70 %
Total Co-Gen	2,010	0.70 %
Total Generation	288,827	99.99 %
PLTG	655	0.23 %
HVDC	-697	-0.24 %
Interconnection	-42	-0.01 %
Net Energy	288,869	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	15,141 MW
TNB Generation	2,184 MW
IPP Generation	11,536 MW
Spinning Reserve	1,337 MW
Maximum Demand	13,799 MW
Net Energy	288,869 MWH
Load Factor	87.23 %

Fuel Cost

Total Cost:	45,222,366.15 RM
Cost per Unit	16.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	559
Hydro	245
Syncon	1,184
Thermal	144
Total	2,132

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	13041	12451	11966	11654	11376	11097	11093	10669	10151	10643	11267	11775	11921	12040	12164	12076	12091	12067	11915	12342	13746	13774	13623	13387

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	25
SRDG	5
TJGS	103
Total TNB	182
CBPS	52
KLPP	81
NPRI	146
PGLA	104
PLPS	75
PTEK	10
SGRI	91
Total IPP	559
Total Gas	741

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 741

Daily MW Generation on Monday

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-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																								
SRev Co-Gen		-24	-26	-23	-25	-30	-38	-38	-37	-37	-36	-39	-39	-40	-40	-38	-40	-38	-36	-36	-34	-32	-33	-36	-33	-32	-33	-34	-34	-34	-38	-36	-38	-38	-36	-33	-36	-36	-36	-37	-41	-40	-41	-40					
Syncon		912	1099	1099	1250	1250	1351	1452	1452	1452	1452	1452	1301	1301	1450	1450	1450	1450	1450	1450	1450	1450	1450	1451	1149	1149	1300	1048	1199	1300	1300	1451	1451	1451	1451	1451	1451	1451	1451	1451	777	590	590	590	590	741	892	928	1079
Hydro		371	214	301	177	182	155	120	112	73	74	97	111	112	239	283	137	134	134	124	126	116	107	120	384	383	245	419	291	223	227	121	119	124	128	129	130	99	126	115	444	424	407	436	529	432	243	413	242
S.Reserve Total		1848	1993	2032	2035	2335	2091	2353	2404	2593	2632	2926	3011	3032	3061	3344	3503	3554	3421	3209	2974	2623	2331	2144	2054	1963	1951	1985	2037	2124	2150	2255	2094	2184	2273	2360	2429	2099	2451	2154	1597	1408	1337	1397	1422	1541	1404	1823	1933