

Availability at Daily Maximum Demand Hour

ST-Coal	3,040 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,506 MW
Hydro	1,785 MW
Distillate	0 MW
Total TNB	10,331 MW
Total IPP	9,337 MW
Total Co-Gen	0 MW
Total System	19,950 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,396	19.07 %
Gas	76,088	21.22 %
Hydro	11,192	3.12 %
Total TNB	155,676	43.41 %
ST-Coal	125,416	34.97 %
Gas	76,132	21.23 %
Total IPP	201,548	56.20 %
Co-Gen	853	0.24 %
Total Co-Gen	853	0.24 %
Total Generation	358,077	99.84 %
PLTG	146	0.04 %
HVDC	-715	-0.20 %
Interconnection	-569	-0.16 %
Net Energy	358,646	100.00 %

Maximum Demand Record

Date: 3/7/2016	17,098 MW
Date: 3/8/2016	358,646 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,254 MW
TNB Generation	7,750 MW
IPP Generation	9,214 MW
Spinning Reserve	1,256 MW
Maximum Demand	17,055 MW
Net Energy	358,646 MWH
Load Factor	87.62 %

Fuel Cost

Total Cost:	48,996,937.40 RM
Cost per Unit	14.12 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	392
Hydro	315
Syncon	450
Thermal	138
Total	1,295

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	15
GLGR	54
NPRI	147
PAKA	47
PGGS	6
PGPS	42
SRDG	22
TJGS	215
Total TNB	547
KLPP	96
MPSS	35
PDPS	17
PGLA	112
PKLG	14
PLPS	95
PTEK	27
SGRI	176
SKSP	40
Total IPP	611
Total Gas	1,158
Total Gas Required	1,158

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	14528	13925	13412	13064	12700	12446	12558	12488	12840	14738	15738	16318	16312	16077	16688	16999	17021	16628	15328	14791	16085	16225	15825	15368

Daily MW Generation on Tuesday

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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	29	32	29	28	30	29	27	28	27	25	20	25	28	27	26	28	37	31	28	27	78	67	63	65
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	32	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		588	435	213	211	212	168	168	168	161	160	149	153	167	163	162	160	219	204	232	508	956	935	961	976
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	17	17	18	18	17	19	19	18	19	18	17	17	19	18	18	18	17	17	17	17	17	17	17	17
PCUF	CUFK	18	16	18	19	19	17	17	18	19	18	18	18	18	18	18	20	20	17	18	19	18	18	18	18
Total Co-Gen		35	33	36	37	36	36	36	38	36	35	35	38	36	37	36	38	38	34	35	36	35	36	35	36
Total Gen		14478	14205	13936	13597	13380	13193	13058	12892	12663	12611	12458	12525	12546	12626	12479	12426	12814	13897	14745	15230	15715	16004	16315	
TIE-BGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-29	-29	-30	-30	-31	-31	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-34	-29	-30	-36	-31	-31	-31	
TIE-PLTG		-21	6	41	1	-2	25	23	6	-7	37	42	53	17	69	21	10	3	-32	37	12	11	-21	27	
Interconnection		-50	-23	11	-29	-32	-5	-6	-23	-37	7	12	23	-12	40	-9	-20	-26	-61	7	-18	-23	-49	-3	
System Total		14528	14228	13925	13626	13412	13198	13064	12915	12700	12604	12446	12502	12558	12586	12488	12446	12840	13958	14738	15248	15738	16053	16318	
SRev ST-Coal		132	170	199	180	174	173	161	193	169	178	205	179	182	180	158	119	155	301	244	136	143	136	130	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	231	111	76	49	168	
SRev CCGT-Gas		614	333	320	673	899	1041	1190	1320	1569	1610	1726	1686	1683	1598	1764	1919	1646	840	268	428	302	269	249	
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	-22	-25	-26	-25	-25	-25	-25	-27	-25	-24	-24	-27	-25	-26	-25	-27	-27	-23	-24	-25	-24	-25	
Syncon		464	464	651	651	651	802	802	802	802	802	802	802	802	802	802	802	802	802	651	701	212	277	277	
Hydro		365	355	390	392	391	134	134	134	141	142	153	149	135	139	140	142	83	98	371	245	286	375	424	
S.Reserve Total		1551	1300	1535	1870	2090	2125	2262	2424	2654	2707	2862	2792	2775	2694	2838	2957	2659	2014	1511	1507	1149	1144	1131	