

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,498 MW
Distillate	0 MW
Total TNB	5,541 MW
Total IPP	15,163 MW
Total Co-Gen	70 MW
Total System	21,338 MW

Generation Mix

Type	MWh	Percentage
Gas	38,688	11.74 %
Hydro	14,978	4.55 %
Total TNB	53,666	16.28 %
ST-Coal	192,832	58.51 %
Gas	80,819	24.52 %
Total IPP	273,651	83.04 %
Co-Gen	1,629	0.49 %
Total Co-Gen	1,629	0.49 %
Total Generation	328,946	99.82 %
PLTG	95	0.03 %
HVDC	-695	-0.21 %
Interconnection	-600	-0.18 %
Net Energy	329,546	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:	00:00:00 Hour
Total Set On Bus	16,855 MW
TNB Generation	2,259 MW
IPP Generation	12,565 MW
Spinning Reserve	1,968 MW
Maximum Demand	14,907 MW
Net Energy	329,546 MWH
Load Factor	92.11 %

Fuel Cost

Total Cost:	50,746,866.10 RM
Cost per Unit	16.51 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	476
Hydro	205
Syncon	845
Thermal	251
Total	1,777

Time Weather Temperature

Afternoon	Sunny	27
Morning	Hot	34

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	220
Total TNB	273
CBPS	56
KLPP	96
NPRI	158
PGLA	102
PLPS	68
PTEK	3
SGB3	87
SGRI	21
Total IPP	590
Total Gas	862
Total Gas Required	862

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	14907	14188	13662	13235	12927	12639	12548	12404	12073	13175	13878	14372	14101	13700	14064	14148	14075	13857	13589	13638	14831	14712	14370	14080

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																									
TIE-PLTG		8	-55	-30	-41	-29	1	-54	4	-12	-9	41	-6	30	40	106	2	7	-25	-9	-6	-32	21	-46	-23	28	14	4	20	-2	-6	-29	3	26	11	24	30	48	4	5	26	5	-1	6	7	32	30	10	10	
Interconnection		-20	-84	-58	-70	-58	-28	-83	-25	-41	-38	12	-34	1	11	76	-28	-22	-54	-38	-35	-62	-8	-74	-53	-1	-15	-25	-9	-31	-35	-58	-26	-4	-18	-5	1	19	-25	-24	-3	-24	-30	-23	-21	4	2	-19	-19	
System Total		14907	14554	14188	13891	13662	13437	13235	13054	12927	12813	12639	12678	12548	12596	12404	12094	12073	12723	13175	13530	13878	14039	14372	14392	14101	13998	13700	13922	14064	14129	14148	14120	14075	14121	13857	13657	13589	13496	13638	14652	14831	14845	14712	14616	14370	14326	14080	13927	
SRev ST-Coal		170	259	230	245	256	267	276	251	270	266	262	257	272	262	263	251	249	263	255	277	273	218	177	174	185	203	264	275	280	279	279	261	273	271	272	280	277	280	281	305	283	295	282	276	225	283	237	193	
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		432	544	350	136	279	430	680	829	955	1062	1205	1197	1234	1184	1298	1745	1786	1188	920	783	607	617	447	390	553	663	675	432	306	342	307	290	306	278	517	654	739	811	754	368	388	291	311	411	499	353	433	296	
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		7	7	13	12	11	11	10	10	8	-1	-2	-4	-2	-4	-1	-4	-3	-4	-4	-2	-2	-3	-2	-2	1	0	0	0	3	4	1	3	2	2	2	3	2	1	1	6	1	4	3	2	2	3	3	2	
Syncon		1102	1102	1102	1102	1102	1253	1253	1253	1102	1102	1102	1102	1253	1253	1253	1102	1253	879	879	728	728	879	728	728	728	915	915	915	915	827	827	978	978	978	978	978	978	978	978	827	741	741	741	892	892	978	1014	1165	1165
Hydro		257	243	228	234	250	100	106	100	252	269	258	280	173	173	180	315	141	107	109	233	231	141	235	254	241	230	241	233	233	224	267	144	141	138	151	191	167	230	293	402	360	135	101	108	204	276	165	199	
S.Reserve Total		1968	2155	1923	1729	1898	2061	2325	2468	2612	2723	2850	2832	2930	2868	2993	3434	3451	2458	2184	2044	1837	1852	1585	1544	1708	2011	2095	1855	1737	1676	1681	1676	1700	1667	1920	2106	2163	2300	2156	1822	1770	1463	1586	1685	1905	1929	2003	1855	