

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,856 MW
Hydro	2,358 MW
Distillate	0 MW
Total TNB	5,214 MW
Total IPP	13,719 MW
Total Co-Gen	0 MW
Total System	19,497 MW

Generation Mix

Type	MWh	Percentage
Gas	50,378	16.75 %
Hydro	6,640	2.21 %
Total TNB	57,018	18.95 %
ST-Coal	168,926	56.15 %
Gas	73,237	24.34 %
Total IPP	242,163	80.50 %
Co-Gen	1,379	0.46 %
Total Co-Gen	1,379	0.46 %
Total Generation	300,560	99.91 %
PLTG	402	0.13 %
HVDC	-678	-0.23 %
Interconnection	-276	-0.09 %
Net Energy	300,836	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:	21:00:00 Hour
Total Set On Bus	15,780 MW
TNB Generation	3,025 MW
IPP Generation	10,829 MW
Spinning Reserve	1,868 MW
Maximum Demand	13,920 MW
Net Energy	300,836 MWH
Load Factor	90.05 %

Fuel Cost

Total Cost:	50,847,194.20 RM
Cost per Unit	17.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	416
Hydro	166
Syncon	1,236
Thermal	245
Total	2,063

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
PAKA	139
PGPS	24
TJGS	168
Total TNB	383
KLPP	71
MPSS	29
NPRI	138
PGLA	100
PLPS	51
SGRI	164
Total IPP	552
Total Gas	935

Total Gas Required 935

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	13381	12755	12276	12034	11700	11427	11415	11352	10842	11523	12107	12619	12740	12808	12994	13072	12981	12712	12409	12672	13881	13920	13578	13340

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																									
TIE-HVDC		-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-28	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	0	-28	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29										
TIE-PLTG		-13	43	2	-18	25	-13	-31	0	-35	-31	-9	-1	22	17	-29	48	2	2	39	-43	18	-51	-16	65	77	60	-16	17	-13	16	10	103	62	39	15	43	62	48	28	33	5	84	20	65	71	-8	-6	-1	
Interconnection		-43	13	-27	-47	-5	-43	-59	-28	-64	-60	-38	-30	-7	-11	-58	19	-26	-26	11	-72	-12	-81	-45	35	47	31	-44	-12	-43	-14	-19	74	62	11	-14	15	34	19	0	4	-24	56	-8	36	42	-37	-35	-30	
System Total		13381	12977	12755	12569	12276	12202	12034	11708	11700	11597	11427	11456	11415	11393	11352	10985	10842	11167	11523	11810	12107	12479	12619	12683	12740	12633	12808	12931	12994	13189	13072	13052	12981	13007	12712	12483	12409	12417	12672	13531	13881	13877	13920	13844	13578	13539	13340	13196	
SRev ST-Coal		66	76	235	222	233	226	231	234	233	236	234	237	242	263	230	236	430	433	437	434	439	430	460	220	237	236	220	234	222	219	234	235	226	222	239	235	228	239	192	138	241	224	244	232	239	242	251	261	
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		533	797	750	676	846	904	1044	1345	1400	1509	1659	1618	1627	1639	1763	2027	2000	1689	1287	1090	742	438	351	416	774	772	575	436	421	242	350	282	463	489	743	903	996	963	1218	625	350	269	265	292	399	460	715	594	
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		-14	-10	-10	-10	-12	-11	-13	-11	-12	-11	-10	-9	-12	-11	-12	-11	-11	-9	-9	-9	-9	-8	-8	-8	-7	-6	-8	-6	-6	-6	-6	-8	-7	-6	-8	-10	-10	-9	-10	-11	-10	-10	-11	-10	-9	-8	-9	-10	-10
Syncon		1076	1076	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328	1328
Hydro		260	262	243	243	248	245	247	246	244	238	246	243	249	244	244	260	129	113	121	117	100	103	120	128	263	137	114	98	92	122	127	120	218	371	343	233	505	233	238	248	208	227	228	236	232	110	131	117	
S.Reserve Total		1921	2201	2395	2308	2492	2541	2686	2991	3042	3149	3306	3266	3283	3312	3402	3689	3876	3554	3164	2960	2600	2291	2251	2084	2444	2467	2229	2090	2057	1905	2031	1958	2042	2064	2305	2502	2710	2566	2778	2142	1930	1850	1868	1892	1816	1944	2415	2290	