

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,545 MW
Hydro	2,509 MW
Distillate	0 MW
Total TNB	6,054 MW
Total IPP	15,045 MW
Total Co-Gen	40 MW
Total System	21,139 MW

Generation Mix

Type	MWh	Percentage
Gas	51,613	15.14 %
Hydro	9,489	2.78 %
Total TNB	61,102	17.92 %
ST-Coal	181,376	53.21 %
Gas	97,438	28.58 %
Total IPP	278,814	81.79 %
Co-Gen	961	0.28 %
Total Co-Gen	961	0.28 %
Total Generation	340,877	99.99 %
PLTG	681	0.20 %
HVDC	-701	-0.21 %
Interconnection	-20	-0.01 %
Net Energy	340,897	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:	16:00:00 Hour
Total Set On Bus	17,799 MW
TNB Generation	3,240 MW
IPP Generation	12,932 MW
Spinning Reserve	1,588 MW
Maximum Demand	16,186 MW
Net Energy	340,897 MWH
Load Factor	87.76 %

Fuel Cost

Total Cost:	55,760,908.75 RM
Cost per Unit	16.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	407
Hydro	337
Syncon	923
Thermal	169
Total	1,836

Time	Weather	Temperature
Afternoon	Sunny	33
Morning	Hot	27

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	13597	12959	12497	12149	11847	11652	11886	11958	12349	13923	14919	15543	15692	15180	15481	16031	16186	15923	14746	14674	15659	15516	15144	14747

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	48
PGPS	42
SRDG	12
TJGS	223
Total TNB	378
CBPS	56
KLPP	95
MPSS	48
NPRI	150
PGLA	99
PLPS	67
PTEK	5
SGRI	164
SKSP	28
Total IPP	713
Total Gas	1,092
Total Gas Required	1,092

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Friday

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																													
Total Gen		13602	13233	12934	12695	12504	12300	12157	11900	11860	11789	11688	11804	11954	12018	12012	11918	12312	13363	13901	14442	14902	15250	15559	15765	15670	15391	15148	15157	15451	15754	15980	16120	16211	16005	15925	15323	14759	14599	14650	15478	15663	15719	15578	15331	15161	15042	14807	14632					
TIE-EGAT		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	0			
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		33	61	4	49	36	37	37	18	43	38	64	30	97	33	83	-25	-8	22	7	-5	12	26	46	-34	7	53	-3	-22	0	-43	-21	25	54	-44	31	30	42	31	5	23	33	18	90	30	46	98	89	83					
Interconnection		5	33	-25	19	7	8	8	-10	13	9	36	2	68	4	54	-54	-37	-7	-22	-34	-17	-2	16	-64	-22	24	-32	-52	-30	-74	-51	-5	25	-74	2	1	13	2	-24	-6	4	-10	62	2	17	69	60	53					
System Total		13587	13200	12959	12676	12497	12282	12149	11910	11847	11780	11652	11802	11886	12014	11958	11972	12349	13370	13923	14476	14919	15252	15543	15829	15692	15367	15180	15209	15481	15828	16031	16125	16186	16079	15923	15322	14746	14597	14674	15484	15659	15729	15516	15329	15144	14973	14747	14579					
SRev ST-Coal		274	264	386	395	395	390	392	519	587	591	600	591	601	616	537	501	357	232	175	148	17	69	168	190	178	173	181	169	156	173	168	172	174	163	179	183	179	265	281	199	215	220	222	210	215	221	218	224					
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	0	0	0	
SRev CCGT-Gas		468	602	653	610	684	831	896	1024	995	1073	1160	1226	1054	1070	970	1137	1193	683	1016	680	556	578	294	276	493	438	434	374	336	383	316	263	227	417	461	460	636	695	630	209	273	246	342	233	378	486	349	496					
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	0	0	0	0
SRev Co-Gen		3	3	0	1	-1	0	0	0	-1	0	0	0	2	-1	1	0	0	-1	0	-2	-1	0	0	-1	1	-1	-1	0	0	-1	0	0	1	-1	0	0	-1	1	-1	-1	-1	0	-21	-21	-21	-19	-18	-20					
Syncon		1013	1200	1200	1200	1200	1200	1200	1200	1200	863	1013	1013	1013	1200	1351	1351	1351	1351	1200	898	898	898	898	898	898	898	898	1200	1200	898	898	711	797	797	898	898	1164	1164	1164	862	711	711	711	862	862	862	1013	1164					
Hydro		219	125	123	98	126	129	126	126	129	126	292	148	129	224	126	125	117	117	120	387	380	368	319	343	395	633	244	401	337	328	422	408	535	455	457	114	120	121	272	360	324	370	211	230	233	232	118						
S.Reserve Total		1977	2194	2362	2304	2404	2550	2614	2869	2910	2990	3086	2972	2818	2827	2745	2964	3026	2382	2659	2297	2159	1925	1728	1745	1890	1919	2162	2003	2109	1806	1688	1548	1588	1894	1974	2120	2092	2245	2195	1541	1558	1501	1624	1495	1664	1783	1794	1982					