

Availability at Daily Maximum Demand Hour

ST-Coal	2,095 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,291 MW
Hydro	1,890 MW
Distillate	0 MW
Total TNB	8,276 MW
Total IPP	10,909 MW
Total Co-Gen	0 MW
Total System	19,755 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,727	16.37 %
Gas	41,618	14.27 %
Hydro	12,114	4.15 %
Total TNB	101,459	34.79 %
ST-Coal	96,486	33.08 %
Gas	91,826	31.49 %
Total IPP	188,312	64.57 %
Co-Gen	597	0.20 %
Total Co-Gen	597	0.20 %
Total Generation	290,368	99.56 %
PLTG	136	0.05 %
HVDC	-1,408	-0.48 %
Interconnection	-1,272	-0.44 %
Net Energy	291,640	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	14,916 MW
TNB Generation	4,611 MW
IPP Generation	9,236 MW
Spinning Reserve	1,047 MW
Maximum Demand	13,930 MW
Net Energy	291,640 MWH
Load Factor	87.23 %

Fuel Cost

Total Cost:	36,685,242.66 RM
Cost per Unit	13.18 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	320
Hydro	320
Syncon	492
Thermal	64
Total	1,196

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	57
PGPS	18
TJGS	219
Total TNB	293
KLPP	101
MPSS	32
PGLA	93
PLPS	95
SGB3	47
SGRI	200
YPGS	57
YPKA	91
Total IPP	715
Total Gas	1,008
Total Gas Required	1,008

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	11310	10859	10457	10150	9885	9762	9760	9944	10439	11824	12828	13281	13354	13230	13690	13766	13930	13638	12810	12551	13692	13613	13328	13083

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																											
Total Co-Gen		26	30	30	29	32	29	29	29	28	29	26	28	27	26	26	27	28	27	25	26	27	23	25	19	20	22	25	24	21	18	21	21	22	24	21	24	24	25	23	21	22	22	22	21	24	24	25	27			
Total Gen		11242	11061	10855	10526	10367	10199	10082	9863	9808	9701	9671	9565	9626	9775	9875	9970	10428	11215	11852	12378	12774	13110	13225	13404	13301	13113	13187	13408	13636	13796	13724	13873	13869	13777	13621	13204	12779	12486	12497	13090	13646	13602	13562	13500	13313	13108	12994	12881			
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		
TIE-HVDC		-59	-58	-58	-59	-59	-58	-58	-58	-59	-59	-58	-58	-58	-59	-58	-60	-60	-58	-59	-59	-58	-58	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-58	-58	-58	-58	-59	-59	-59	-58	-59	-59	-58	-59		
TIE-PLTG		-9	-6	54	-13	-30	8	-9	-84	-19	-58	-32	-41	-75	-24	-12	36	47	76	88	25	4	16	3	9	6	12	16	67	6	9	17	46	-3	-40	42	71	28	15	6	-33	13	45	7	-17	44	30	-32	-36			
Interconnection		-68	-65	-4	-72	-90	-50	-68	-142	-77	-117	-91	-99	-134	-82	-69	-23	-11	16	28	-34	-54	-43	-56	-49	-53	-47	-43	8	-54	-50	-42	-13	-61	-99	-17	12	-31	-45	-54	-91	-46	-13	-51	-76	-15	-29	-89	-94			
System Total		11310	11126	10859	10598	10457	10249	10150	10085	9885	9818	9762	9664	9760	9857	9944	9993	10439	11199	11824	12412	12828	13153	13281	13453	13354	13160	13230	13400	13690	13846	13766	13885	13930	13876	13638	13192	12810	12531	12551	13181	13692	13615	13613	13576	13328	13137	13083	12975			
SRev ST-Coal		-66	2	9	25	89	181	303	355	423	413	409	491	482	486	470	481	368	48	76	40	151	168	62	51	44	28	58	50	35	54	67	31	33	110	48	39	54	36	36	7	48	47	44	60	51	85	70	63			
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	
SRev CCGT-Gas		341	110	318	140	42	111	105	224	238	323	492	471	457	694	723	760	940	1134	810	583	368	231	237	160	203	329	410	281	151	138	292	189	149	179	324	605	717	1033	1019	625	424	508	429	333	384	408	326	318			
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
SRev Co-Gen		18	14	14	15	12	15	15	16	15	18	16	17	18	17	16	17	19	18	17	21	19	25	24	22	19	20	23	26	23	23	22	20	23	20	20	19	21	23	22	22	22	22	23	20	20	19	17				
Syncon		726	827	676	676	827	827	827	676	827	827	827	827	625	474	625	625	474	474	474	625	539	539	539	539	388	539	453	453	453	302	453	554	554	655	827	827	827	575	625	539	237	539	539	539	539	539	539				
Hydro		132	136	178	208	27	31	32	80	201	80	87	80	72	84	213	97	121	225	337	324	292	357	372	347	365	345	480	344	480	449	457	498	390	303	146	193	117	113	114	320	125	172	398	137	135	100	41	42			
S.Reserve Total		1151	1089	1195	1089	997	1165	1282	1501	1554	1658	1833	1885	1855	1907	1898	1980	2070	2049	1716	1439	1302	1402	1229	1122	1175	1263	1355	1234	1142	1120	1292	1043	1047	1166	1095	1512	1735	2028	2017	1550	1244	1288	1130	1092	1129	1152	995	979			