

Availability at Daily Maximum Demand Hour

ST-Coal	3,040 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,327 MW
Hydro	1,680 MW
Distillate	0 MW
Total TNB	8,047 MW
Total IPP	10,040 MW
Total Co-Gen	0 MW
Total System	18,651 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,740	20.52 %
Gas	51,158	15.50 %
Hydro	13,522	4.10 %
Total TNB	132,420	40.12 %
ST-Coal	90,111	27.30 %
Gas	105,406	31.94 %
Total IPP	195,517	59.24 %
Co-Gen	898	0.27 %
Total Co-Gen	898	0.27 %
Total Generation	328,835	99.63 %
PLTG	-516	-0.16 %
HVDC	-703	-0.21 %
Interconnection	-1,219	-0.37 %
Net Energy	330,054	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	16,806 MW
TNB Generation	6,638 MW
IPP Generation	8,890 MW
Spinning Reserve	1,243 MW
Maximum Demand	15,650 MW
Net Energy	330,054 MWH
Load Factor	87.87 %

Fuel Cost

Total Cost:	48,054,880.06 RM
Cost per Unit	15.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	425
Hydro	410
Syncon	264
Thermal	190
Total	1,289

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	10
CBPS	57
GLGR	54
PAKA	137
PGPS	20
SRDG	34
TJGS	103
Total TNB	414
KLPP	101
MPSS	59
PDPS	8
PGLA	107
PKLG	12
PLPS	70
PTEK	8
SGB3	93
SGRI	160
YPGS	70
YPKA	137
Total IPP	824
Total Gas	1,238
Total Gas Required	1,238

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	13097	12574	12148	11850	11501	11350	11699	11726	12098	13705	14732	15299	15333	14895	14920	15501	15650	15351	14249	13986	15056	14844	14398	13983

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	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	HY02	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	28	-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	31	36	36	31	31	31	35	29	32	27	26	36	38	35	33	26	37	39	33	39	37	65	62	63	57
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		407	197	229	183	179	180	219	186	171	159	157	207	259	257	187	156	186	283	270	497	694	1051	1056	1076	
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	39	40	41	38	38	39	39	39	40	41	40	40	39	39	38	39	39	39	39	39	37	37	37	35	
Total Co-Gen		39	40	41	38	38	39	39	39	40	41	40	40	39	39	38	39	39	39	39	39	37	37	37	35	
Total Gen		13105	12609	12502	12195	12125	11782	11793	11573	11463	11427	11389	11471	11654	11831	11675	11475	12097	12934	13691	14152	14717	15169	15270	15366	
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-30	-30	
TIE-PLTG		37	29	-43	-65	6	12	-28	62	-9	19	69	-18	-16	-35	-22	32	28	-28	15	2	15	-2	0	-94	
Interconnection		8	1	-72	-94	-23	-16	-57	34	-38	-10	39	-48	-45	-64	-51	3	-1	-57	-14	-27	-15	-32	-29	-123	
System Total		13097	12608	12574	12289	12148	11798	11850	11539	11501	11437	11350	11519	11699	11895	11726	11472	12098	12991	13705	14179	14732	15201	15299	15489	
SRev ST-Coal		202	201	174	190	172	164	169	201	319	319	346	441	399	292	299	342	165	153	114	192	212	206	234	213	
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	
SRev CCGT-Gas		381	669	779	1029	1163	1516	1539	1694	1671	1696	1706	1578	1489	1416	1495	1620	1206	904	301	286	457	368	432	408	
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		5	4	3	6	6	5	5	5	5	4	3	4	4	5	5	6	5	5	5	5	7	7	7	9	
Syncon		640	827	827	827	827	827	676	676	827	827	676	525	525	827	827	827	726	726	625	151	151	151	151	151	
Hydro		176	99	67	113	117	116	77	261	126	137	139	240	339	341	109	140	110	114	127	101	589	407	427	407	
S.Reserve Total		1404	1800	1850	2165	2285	2628	2617	2837	2797	2983	3021	2939	2756	2579	2735	2935	2313	1982	1273	1293	1404	1236	1287	1191	