

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,654 MW
Hydro	1,810 MW
Distillate	0 MW
Total TNB	8,544 MW
Total IPP	9,803 MW
Total Co-Gen	0 MW
Total System	18,347 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	66,489	19.92 %
Gas	68,291	20.46 %
Hydro	14,401	4.31 %
Total TNB	149,181	44.69 %
ST-Coal	96,412	28.88 %
ST-Gas	11,179	3.35 %
Gas	74,485	22.31 %
Total IPP	182,076	54.54 %
Co-Gen	1,134	0.34 %
Total Co-Gen	1,134	0.34 %
Total Generation	332,391	99.57 %
PLTG	-749	-0.22 %
HVDC	-702	-0.21 %
Interconnection	-1,451	-0.43 %
Net Energy	333,842	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:	14:30:00 Hour
Total Set On Bus	16,949 MW
TNB Generation	7,209 MW
IPP Generation	8,655 MW
Spinning Reserve	1,044 MW
Maximum Demand	15,974 MW
Net Energy	333,842 MWH
Load Factor	87.08 %

Fuel Cost

Total Cost:	47,300,725.05 RM
Cost per Unit	14.89 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	315
Hydro	376
Syncon	389
Thermal	118
Total	1,198

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	8
CBPS	57
GLGR	54
PAKA	185
SRDG	14
TJGS	207
Total TNB	524

Alternate Fuel Usage

Station	(mmscfd)
Total	0

KLPP	44
MPSS	51
PDPS	9
PGLA	109
PKLG	7
PLPS	88
PTEK	7
SGB3	65
SGRI	160
SKSP	52
PKLG	111
Total IPP	702
Total Gas	1,226
Total Gas Required	1,226

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	13200	12385	11952	11722	11426	11296	11615	11593	12288	14069	15051	15654	15778	15326	15801	15937	15881	15513	14327	14451	15088	14917	14390	13969

Daily MW Generation on Wednesday

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
PGAU	HY03	-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	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY04	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	-1	-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	34	34	29	31	30	38	35	40	33	28	24	33	37	36	22	37	28	31	40	44	39	67	38	35
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
UPLA	HY01	5	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	HY02	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		367	351	349	375	348	353	354	267	229	267	240	252	277	337	203	217	208	274	296	458	1039	1297	1111	1132
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	27	28	27	27	29	29	28	29	29	27	29	29	28	29	29	26	26	25	26	26	25	24	25	26
PCUF	CUFK	23	21	23	23	21	24	24	23	22	23	23	23	23	24	21	18	19	17	17	16	17	17	16	16
Total Co-Gen		50	49	50	50	50	53	52	52	51	50	52	53	51	52	52	55	53	49	44	45	42	43	42	43
Total Gen		13156	12629	12314	12182	11944	11739	11651	11418	11328	11270	11252	11324	11490	11758	11595	11545	12246	13269	13929	14570	14914	15228	15583	
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	-30	-30	-29	-29	-29	-30	-30	-29	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-15	-47	-41	-22	21	-64	-42	-61	-68	-18	-14	-34	-95	19	32	-42	-13	-49	-110	-89	-108	-58	-42	
Interconnection		-44	-77	-71	-51	-8	-93	-71	-90	-98	-48	-44	-64	-125	-11	2	-70	-42	-79	-140	-119	-137	-87	-71	
System Total		13200	12706	12385	12233	11952	11832	11722	11508	11426	11318	11296	11388	11615	11769	11593	11615	12288	13348	14069	14489	15051	15315	15654	
SRev ST-Coal		224	191	133	153	150	319	354	345	353	403	355	353	348	215	166	161	161	137	129	123	138	119	93	
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		463	997	1318	1458	1673	1708	1709	1858	1903	1951	1990	1938	1799	1772	1862	1930	1376	914	504	153	176	166	220	
SRev ST-Gas		75	76	76	74	74	75	75	75	75	75	75	75	75	84	25	7	3	3	5	4	4	4	4	4
SRev Co-Gen		-6	-5	-6	-6	-6	-9	-8	-8	-7	-6	-8	-9	-7	-8	-8	-8	-11	-9	-5	0	-1	2	1	
Syncon		827	827	827	676	827	827	827	827	676	827	827	827	676	827	676	827	676	302	302	302	302	302	302	302
Hydro		126	142	144	269	145	140	139	76	114	227	128	115	90	181	114	100	109	232	98	187	463	205	391	
S.Reserve Total		1709	2228	2492	2624	2863	3060	3056	3173	3265	3326	3367	3299	3432	2911	3036	3085	2546	1975	1560	1142	1081	1114	1029	
		1193	1163	1282	1244	1117	1237	1044	1119	1312	1207	1183	1214	1236	1686	1606	1562	1284	1338	1096	1256	1129	1370	1488	
		1490	1370	1488	1490	1370	1488	1490	1370	1488	1490	1370	1488	1490	1370	1488	1490	1370	1488	1490	1370	1488	1490	1370	1488