

Availability at Daily Maximum Demand Hour

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,025 MW
Hydro	1,698 MW
Distillate	0 MW
Total TNB	7,753 MW
Total IPP	10,501 MW
Total Co-Gen	0 MW
Total System	18,254 MW

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	17,117 MW
TNB Generation	6,475 MW
IPP Generation	9,516 MW
Spinning Reserve	1,046 MW
Maximum Demand	16,032 MW
Net Energy	333,204 MWH
Load Factor	86.60 %

Gas Usage

Station	(mmscfd)
CBPS	8
CBPS	56
GLGR	56
PAKA	136
PGPS	41
SRDG	32
TJGS	221
Total TNB	548
KLPP	102
MPSS	60
PDPS	7
PGLA	108
PKLG	10
PLPS	101
PTEK	6
SGB3	79
SGRI	193
SKSP	53
YPKA	136
PKLG	110
Total IPP	965
Total Gas	1,514
Total Gas Required	1,514

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	48,504	14.56 %
Gas	71,016	21.31 %
Hydro	13,182	3.96 %
Total TNB	132,702	39.83 %
ST-Coal	78,467	23.55 %
ST-Gas	11,148	3.35 %
Gas	109,118	32.75 %
Total IPP	198,733	59.64 %
Co-Gen	1,945	0.58 %
Total Co-Gen	1,945	0.58 %
Total Generation	333,380	100.05 %
PLTG	-552	-0.17 %
HVDC	728	0.22 %
Interconnection	176	0.05 %
Net Energy	333,204	100.00 %

Fuel Cost

Total Cost:	58,854,624.34 RM
Cost per Unit	18.38 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	451
Hydro	189
Syncon	517
Thermal	64
Total	1,221

Time Weather Temperature

Afternoon	Cloudy	35
Morning	Sunny	25

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	13035	12432	11922	11680	11454	11390	11712	11616	12178	13917	14918	15561	15544	15267	15882	15968	15954	15460	14362	14110	15084	14968	14412	13844

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	
SGB3	GT33	116	115	63	60	61	61	61	61	61	61	61	61	60	60	106	111	110	110	110	110	110	110	110	110	110
SGB3	ST34	137	137	95	92	89	89	89	89	89	87	87	87	91	95	137	200	200	199	199	202	202	199	199	199	199
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	46	139	141	141	139	139	142	143	142	142	141	141
SGRI	GT12	153	132	117	152	111	123	118	129	111	111	112	111	147	134	111	111	154	138	150	155	155	154	154	151	151
SGRI	GT13	132	125	111	133	108	118	113	120	107	107	108	107	133	128	107	107	135	137	139	139	139	138	136	136	136
SGRI	ST14	183	143	141	146	136	140	142	137	131	132	131	132	150	146	137	137	155	146	206	213	213	217	218	220	219
SGRI	GT21	124	125	111	135	106	60	60	61	61	60	60	61	61	61	61	63	108	136	138	138	136	139	140	140	139
SGRI	GT22	128	131	117	140	111	67	67	66	66	66	66	65	65	65	65	67	67	111	138	140	140	138	138	137	137
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	81	144	145	145	145	144
SGRI	ST24	138	142	136	145	131	101	99	97	97	99	99	96	96	97	98	101	104	161	219	215	213	217	217	218	215
YPKA	BLK1	362	362	369	369	370	370	367	367	367	368	368	367	367	370	370	370	370	367	367	367	367	368	368	362	362
YPKA	BLK2	385	385	392	392	393	393	389	389	390	390	390	390	390	390	393	393	392	392	390	390	389	389	388	388	387
PLPS	GT11	141	137	117	141	109	109	106	104	105	106	104	105	106	104	104	112	141	145	143	141	143	142	143	137	140
PLPS	GT12	143	141	141	144	116	115	113	112	112	112	113	112	112	115	112	112	121	144	143	143	140	142	141	141	138
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	142	142	138	142	141	139
PLPS	ST18	145	145	140	146	135	129	130	131	131	131	133	131	134	133	138	137	139	150	216	216	213	216	215	216	212
SKSP	BLK1	246	229	215	286	211	242	236	240	213	217	213	215	245	247	211	211	288	245	236	241	276	327	339	333	327
TJGS	GT1A	219	219	219	219	219	206	217	204	202	178	164	216	218	150	128	213	204	217	211	215	215	215	215	215	215
TJGS	GT1B	223	223	223	223	223	211	214	204	207	183	164	219	221	155	126	218	208	219	216	219	219	219	219	219	219
TJGS	ST1C	256	256	256	256	256	249	246	222	215	209	185	242	256	222	179	246	233	253	246	256	256	256	256	256	256
TJGS	GT2A	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	223	223	223	223	223	223	223	223	223	223
TJGS	GT2B	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221
TJGS	ST2C	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	265	265	265	265	265	265	265	265	265	265
Total CCGT-Gas		6932	6741	6562	6587	6103	5922	5755	5746	5619	5632	5578	5514	5825	5826	5580	5492	6011	7149	7782	8026	8133	8217	8278	8271	8318
CBPS	GT06	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
PDPS	GT04	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
PKLG	GT08	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
PKLG	GT09	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
PTEK	GT2A	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
SRDG	GT01	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
SRDG	GT02	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
SRDG	GT03	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
SRDG	GT05	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
Total CCGT-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
BSIA	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	0
BSIA	HY02	12	12	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
BSIA	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	0
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	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	0
KNRG	HY02	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNYR	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	-1
KNYR	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	0
KNYR	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	0
KNYR	HY04	62	60	56	61	59	61	59	61	61	60	60	61	63	64	61	61	69	63	62	67	67	78	69	66	69
LPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

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
MNOR	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
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	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	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
SIHY	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
SIHY	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	HY01	0	0	0	16	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	12	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TMGR	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
TMGR	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
TMGR	HY03	30	29	24	30	29	30	28	30	30	29	29	31	32	30	29	31	28	84	83	34	38	35	41	41
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	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		206	166	156	196	238	243	239	243	243	241	241	264	279	398	418	396	412	399	398	543	655	677	888	856
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	54	53	51	51	54	55	53	52	51	53	54	52	53	52	53	51	49	50	53	54	51	51	51	51
PCUF	CUFK	25	27	29	30	28	30	29	28	31	30	29	31	32	27	29	28	29	30	31	31	29	29	31	30
Total Co-Gen		79	80	80	81	82	85	82	80	82	83	80	85	84	79	82	80	81	83	84	80	78	80	84	83
Total Gen		13018	12652	12324	12296	11952	11797	11651	11596	11462	11481	11419	11387	11745	11842	11623	11527	12136	13185	13916	14498	14986	16204	15597	15743
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		30	30	29	29	31	31	30	30	30	30	30	30	31	31	31	31	31	30	30	31	31	31	31	31
TIE-PLTG		-47	-28	-137	-31	-20	-64	-59	-22	-22	12	-1	18	4	-2	-24	-9	-72	-45	-32	-52	37	-30	6	
Interconnection		-17	3	-108	-1	10	-33	-29	8	8	42	29	49	33	28	7	22	-42	-14	-1	-22	68	0	36	
System Total		13035	12649	12432	12297	11922	11830	11689	11588	11454	11439	11390	11338	11712	11814	11616	11505	12178	13199	13917	14529	14918	15204	15561	15756
S.Rev ST-Coal		53	114	99	95	42	4	-24	24	33	26	31	27	-6	12	8	42	-27	50	58	-10	75	59	42	
S.Rev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	107	168	132	234	238	
S.Rev CCGT-Gas		522	498	677	652	1136	1317	1484	1493	1620	1607	1661	1725	1414	1413	1659	1747	1553	887	640	483	376	292	231	
S.Rev ST-Gas		17	64	79	76	74	75	75	75	75	75	74	74	75	75	75	75	81	50	18	30	14	10	6	
S.Rev Co-Gen		-3	-4	-4	-5	-6	-9	-6	-4	-6	-7	-4	-9	-8	-3	-6	-4	-5	-7	-7	-8	-4	-2	-4	
Symcon		628	628	628	628	477	628	628	628	628	628	327	477	628	477	628	628	628	628	627	627	627	540	540	
Hydro		109	110	120	130	239	108	112	108	108	110	110	238	273	103	239	110	94	107	108	164	152	130	138	
S.Reserve Total		1431	1515	1704	1681	2067	2228	2374	2429	2563	2544	2606	2487	2329	2333	2552	2698	2398	1840	1608	1306	1362	1243	1129	