

Availability at Daily Maximum Demand Hour

ST-Coal	2,350 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,301 MW
Hydro	1,855 MW
Distillate	0 MW
Total TNB	8,506 MW
Total IPP	10,441 MW
Total Co-Gen	0 MW
Total System	18,947 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
CBPS	35
CBPS	58
GLGR	56
PAKA	167
PGPS	42
SRDG	48
TJGS	218
Total TNB	624

Alternate Fuel Usage

Station	(mmscfd)
PKLG	56
Total	56

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	16,989 MW
TNB Generation	6,892 MW
IPP Generation	8,950 MW
Spinning Reserve	1,083 MW
Maximum Demand	15,885 MW
Net Energy	330,829 MWH
Load Factor	86.77 %

Generation Mix

Type	MWh	Percentage
ST-Coal	52,301	15.81 %
Gas	78,809	23.82 %
Hydro	10,165	3.07 %
Total TNB	141,275	42.70 %
ST-Coal	86,829	26.25 %
ST-Gas	5,718	1.73 %
ST-Oil	5,717	1.73 %
Gas	89,136	26.94 %
Total IPP	187,400	56.65 %
Co-Gen	1,713	0.52 %
Total Co-Gen	1,713	0.52 %
Total Generation	330,388	99.87 %
PLTG	266	0.08 %
EGAT	-4	0.00 %
HVDC	-703	-0.21 %
Interconnection	-441	-0.13 %
Net Energy	330,829	100.00 %

Fuel Cost

Total Cost:	59,183,499.86 RM
Cost per Unit	18.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	210
Hydro	186
Syncon	446
Thermal	40
Total	882

KLPP	104
MPSS	59
PDPS	25
PKLG	17
PLPS	104
PTEK	25
SGRI	195
SKSP	57
YPGS	70
YPKA	69
PKLG	56
Total IPP	780
Total Gas	1,404
Total Gas Required	1,460

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	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	13098	12433	12019	11595	11364	11087	11557	11500	12106	13837	14672	15432	15412	15067	15568	15886	15797	15440	14381	14437	15088	14845	14317	13811

Daily MW Generation on Tuesday

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	
SGRI	GT13	0	0	0	0	0	0	0	0	0	43	139	140	140	139	137	138	138	140	139	139	139	137	137	137	137
SGRI	ST14	152	147	148	133	103	96	95	97	96	98	98	100	96	96	100	101	157	208	217	217	214	214	217	217	217
SGRI	GT21	137	137	137	104	104	104	62	61	61	61	61	61	61	107	139	139	139	137	136	136	136	136	136	137	
SGRI	GT22	140	140	140	111	111	111	67	67	65	65	65	65	65	110	139	140	140	137	137	135	135	135	138	138	
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	12	103	140	140	139	139	139	139	140	140	140	140	
SGRI	ST24	149	150	150	131	131	131	99	94	98	101	98	99	97	95	100	101	136	193	210	210	214	218	215	218	215
YPGS	GT11	125	123	125	124	122	124	124	124	124	123	122	124	121	123	122	122	121	121	120	120	119	118	121	119	120
YPGS	GT12	134	133	133	134	131	133	132	128	131	133	133	131	133	132	128	134	129	133	131	131	130	131	129	127	132
YPGS	ST10	137	138	138	138	138	138	138	138	137	137	137	137	137	137	137	137	136	136	136	134	136	136	137	137	137
YPKA	BLK1	190	197	197	197	197	197	195	196	196	196	196	196	195	184	185	185	185	185	185	188	187	185	185	186	186
YPKA	BLK2	191	195	195	196	196	196	196	196	194	194	195	195	196	194	182	185	185	185	185	189	189	189	189	189	189
PLPS	GT11	111	111	110	127	138	136	141	110	122	142	122	123	141	141	109	141	110	141	124	146	110	150	148	147	146
PLPS	GT12	118	117	112	133	146	144	147	110	129	147	129	130	147	147	114	147	112	147	134	145	109	144	143	142	142
PLPS	GT13	116	0	0	0	0	0	0	0	0	0	0	0	0	0	68	151	145	145	145	145	145	144	145	144	144
PLPS	ST18	201	137	131	135	146	144	148	131	144	146	144	143	145	146	130	147	131	146	139	148	202	217	216	216	215
SKSP	BLK1	216	216	219	235	295	259	275	211	241	349	260	329	352	347	243	275	252	342	344	347	347	313	339	342	323
TJGS	GT1A	224	224	224	224	224	224	224	191	155	155	155	199	226	230	194	228	228	228	228	228	224	224	224	221	221
TJGS	GT1B	221	221	221	221	221	221	221	188	151	151	151	193	223	224	190	225	225	225	225	225	225	221	221	221	217
TJGS	ST1C	256	256	256	256	256	256	256	226	196	196	196	258	225	258	258	258	258	258	258	258	258	258	258	258	258
TJGS	GT2A	223	224	224	221	221	222	222	224	184	144	144	144	187	184	228	185	230	227	227	227	224	224	222	222	219
TJGS	GT2B	217	217	217	215	217	217	220	220	179	141	141	139	182	180	226	181	225	223	223	223	223	220	217	217	215
TJGS	ST2C	264	264	264	264	264	264	264	238	216	216	216	232	238	267	236	268	265	265	265	265	265	265	265	265	265
Total CCGT-Gas		6204	5777	5623	5516	5360	5308	5144	4985	4866	4829	4690	4763	5022	5118	5110	5023	5698	6529	6819	7066	7153	7220	7244	7243	7231
CBPS	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
CBPS	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
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	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
PDPS	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
PDPS	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
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	GT1A	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
PTEK	GT2B	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	11	11	11	12	12	11	11	11	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
CEND	HY01	9	9	10	9	9	9	10	9	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	10	9	10	10	9	10	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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
CEND	HY04	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HY01	22	23	22	25	26	24	24	21	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	22	22	22	22	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	21	21	21	23	23	22	22	20	22	24	22	22	30	30	27	28	27	39	24	25	37	37	37	37	37

