

Availability at Daily Maximum Demand Hour

ST-Coal	1,340 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,748 MW
Hydro	1,798 MW
Distillate	0 MW
Total TNB	6,886 MW
Total IPP	10,923 MW
Total Co-Gen	0 MW
Total System	17,809 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	25,362	7.71 %
Gas	64,205	19.53 %
Hydro	18,272	5.56 %
Total TNB	107,839	32.80 %
ST-Coal	102,975	31.32 %
ST-Gas	1,955	0.59 %
Gas	113,496	34.52 %
Total IPP	218,426	66.43 %
Co-Gen	1,978	0.60 %
Total Co-Gen	1,978	0.60 %
Total Generation	328,243	99.83 %
PLTG	138	0.04 %
HVDC	-695	-0.21 %
Interconnection	-557	-0.17 %
Net Energy	328,800	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	16,735 MW
TNB Generation	5,559 MW
IPP Generation	10,127 MW
Spinning Reserve	970 MW
Maximum Demand	15,793 MW
Net Energy	328,800 MWH
Load Factor	86.74 %

Fuel Cost

Total Cost:	53,259,695.14 RM
Cost per Unit	17.18 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	587
Hydro	417
Syncon	51
Thermal	20
Total	1,075

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	10
CBPS	26
GLGR	57
PAKA	99
PGPS	52
SRDG	11
TJGS	223
Total TNB	477
KLPP	121
MPSS	62
PDPS	22
PGLA	112
PKLG	9
PLPS	99
PTEK	14
SGB3	76
SGRI	186
SKSP	51
YPGS	70
YPKA	69
PKLG	20
Total IPP	910
Total Gas	1,387
Total Gas Required	1,387

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	13147	12297	12107	11719	11281	11204	11360	11565	12017	13831	14735	15215	15213	15011	15467	15737	15793	15316	14192	14114	14870	14608	13951	13607

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
SGRI	GT13	142	141	137	137	139	104	58	61	61	58	61	60	60	106	108	108	140	140	140	140	140	140	140	140
SGRI	ST14	217	176	150	148	150	132	95	95	92	95	98	93	96	98	99	135	203	202	219	217	215	214	217	215
SGRI	GT21	139	139	135	135	107	107	110	106	63	59	62	59	61	61	61	106	112	109	138	134	134	134	134	134
SGRI	GT22	143	143	142	142	111	111	111	111	64	64	67	67	65	65	66	65	109	118	111	140	140	140	137	137
SGRI	GT23	146	83	0	0	0	0	0	0	0	0	0	0	0	0	39	115	143	143	144	144	144	144	141	110
SGRI	ST24	217	205	150	149	127	129	133	131	97	101	96	96	96	95	101	135	181	198	212	216	211	214	210	215
YPGS	GT11	126	125	125	124	126	126	126	125	125	126	127	125	128	126	126	126	126	126	126	124	123	126	125	125
YPGS	GT12	130	130	129	131	133	130	134	128	130	131	130	130	129	131	129	131	129	134	127	129	128	131	131	129
YPGS	ST10	134	136	136	135	135	134	137	134	134	134	134	134	135	135	135	135	136	136	136	136	137	137	137	137
YPKA	BLK1	187	187	182	182	186	186	181	181	182	182	184	184	184	184	187	187	186	186	186	186	182	182	182	182
YPKA	BLK2	195	195	189	189	195	195	200	200	203	203	202	202	203	203	205	205	205	205	205	204	204	201	201	199
PLPS	GT11	149	149	146	146	108	110	110	109	109	110	62	62	62	148	146	147	146	150	149	148	153	152	151	148
PLPS	GT12	145	145	145	145	108	109	109	109	109	109	88	70	69	109	109	109	109	109	109	109	145	144	143	143
PLPS	GT13	148	148	0	0	0	0	0	0	0	0	0	0	0	0	73	147	147	146	146	145	146	145	143	129
PLPS	ST18	215	216	167	146	132	131	131	131	130	131	120	97	95	139	146	145	139	215	219	218	218	215	215	213
SKSP	BLK1	247	251	342	336	316	344	341	252	226	215	221	282	342	348	307	345	276	344	346	214	248	220	248	346
TJGS	GT1A	225	225	225	225	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
TJGS	GT1B	221	221	221	224	224	224	224	224	224	224	224	224	224	221	221	221	221	221	221	221	221	221	221	221
TJGS	ST1C	256	256	256	256	256	256	256	256	256	256	256	256	256	255	255	255	255	255	255	255	255	255	255	255
TJGS	GT2A	226	226	226	226	226	226	226	226	226	226	228	228	228	228	228	228	228	228	228	228	228	228	228	228
TJGS	GT2B	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225
TJGS	ST2C	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265
Total CCGT-Gas		7796	7313	7058	6987	6813	6567	6380	6176	5988	5976	5837	5829	5907	6144	6187	6258	6604	7682	7720	7681	7936	7934	7876	7953
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
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
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	86	95	97	70	70	75	76	98	73
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
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
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
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
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
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
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
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
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
BSIA	HY02	12	12	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
CEND	HY01	10	10	10	10	10	9	9	9	9	9	10	10	9	9	10	10	10	10	10	10	10	10	10	10
CEND	HY02	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	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
CEND	HY04	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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
KNRG	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
KNRG	HY03	20	20	19	21	20	21	19	20	19	24	25	26	24	25	25	25	26	24	24	24	30	28	28	28
KNYR	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
KNYR	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
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

