

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,043 MW
Hydro	1,698 MW
Distillate	0 MW
Total TNB	7,811 MW
Total IPP	10,241 MW
Total Co-Gen	0 MW
Total System	18,052 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	17,045 MW
TNB Generation	6,701 MW
IPP Generation	9,410 MW
Spinning Reserve	860 MW
Maximum Demand	16,214 MW
Net Energy	330,123 MWH
Load Factor	84.83 %

Gas Usage

Station	(mmscfd)
CBPS	16
CBPS	54
GLGR	56
PAKA	120
PGPS	42
SRDG	44
TJGS	213
Total TNB	544
KLPP	100
MPSS	58
PDPS	15
PGLA	109
PKLG	15
PLPS	100
PTEK	8
SGB3	84
SGRI	197
SKSP	52
YPKA	135
PKLG	44
Total IPP	917
Total Gas	1,461
Total Gas Required	1,530

Alternate Fuel Usage

Station	(mmscfd)
PKLG	69
Total	69

Generation Mix

Type	MWh	Percentage
ST-Coal	48,903	14.81 %
Gas	69,908	21.18 %
Hydro	13,359	4.05 %
Total TNB	132,170	40.04 %
ST-Coal	74,313	22.51 %
ST-Gas	4,536	1.37 %
ST-Oil	7,089	2.15 %
Gas	109,614	33.20 %
Total IPP	195,552	59.24 %
Co-Gen	1,873	0.57 %
Total Co-Gen	1,873	0.57 %
Total Generation	329,595	99.84 %
PLTG	-938	-0.28 %
HVDC	410	0.12 %
Interconnection	-528	-0.16 %
Net Energy	330,123	100.00 %

Fuel Cost

Total Cost:	59,527,152.52 RM
Cost per Unit	18.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	493
Hydro	171
Syncon	422
Thermal	80
Total	1,166

Time Weather Temperature

Afternoon	Hot	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	12420	11915	11502	11250	11068	10995	11412	11418	12001	13747	14673	15393	15469	15222	15818	16132	16028	15639	14509	14385	15053	14903	14428	13834

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	
SGB3	GT32	69	66	66	67	67	67	67	67	67	68	68	67	69	116	116	118	118	118	118	118	118	118	118	117	119
SGB3	GT33	67	67	67	66	66	66	66	66	66	66	66	66	66	116	120	119	125	124	121	124	124	123	123	120	116
SGB3	ST34	100	96	96	92	92	93	93	93	93	93	93	96	100	141	141	202	202	204	204	204	204	205	205	204	204
SGRI	GT11	34	0	0	0	0	0	0	0	0	0	0	0	0	46	136	139	139	138	138	136	136	137	139	142	142
SGRI	GT12	153	154	154	155	155	155	121	64	64	66	64	76	122	111	111	103	111	111	154	155	152	153	153	152	152
SGRI	GT13	136	136	136	137	137	136	118	61	61	60	60	69	115	112	104	103	111	108	138	139	109	116	113	118	114
SGRI	ST14	194	153	152	150	150	150	145	97	94	91	93	99	133	131	131	139	141	136	209	212	212	214	210	215	211
SGRI	GT21	136	137	137	105	62	62	62	60	60	60	60	103	106	99	105	106	138	137	135	138	140	135	138	138	138
SGRI	GT22	142	140	140	112	67	66	66	66	66	66	66	66	66	107	112	105	109	111	140	140	112	111	113	118	111
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	21	84	147	143	147	144	144	145	145	143	143	144
SGRI	ST24	148	147	148	128	95	94	94	98	98	98	97	96	96	122	126	129	137	166	215	216	206	212	210	208	209
YPKA	BLK1	370	370	371	371	371	371	373	373	371	371	371	371	371	370	374	374	371	371	367	367	366	366	362	362	360
YPKA	BLK2	391	391	393	393	394	394	395	395	394	394	394	394	393	393	396	396	393	393	389	389	388	388	383	382	382
PLPS	GT11	143	136	65	71	73	65	66	70	66	67	71	75	75	116	103	103	117	142	145	145	144	144	143	143	140
PLPS	GT12	147	141	74	78	80	75	74	78	73	75	79	82	83	124	114	75	79	147	145	144	143	143	141	140	141
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	66	144	142	141	142	141	141	140	140	139	138	139
PLPS	ST18	145	143	104	107	110	107	99	103	100	102	102	108	111	136	132	131	126	150	218	216	218	216	216	215	215
SKSP	BLK1	218	212	213	216	213	211	213	213	213	210	213	213	215	214	211	213	214	297	298	341	264	338	333	335	335
TJGS	GT1A	221	221	222	218	218	218	221	221	221	221	221	221	221	221	221	221	221	221	172	197	211	218	215	215	215
TJGS	GT1B	222	221	224	224	221	221	220	223	223	223	223	219	217	212	218	195	220	220	220	220	220	220	220	220	220
TJGS	ST1C	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
TJGS	GT2A	224	224	224	224	143	143	143	143	144	144	144	143	143	143	143	223	226	224	224	222	222	222	222	222	222
TJGS	GT2B	221	221	221	221	142	142	140	141	141	141	142	140	140	142	141	141	220	222	220	219	221	221	221	221	221
TJGS	ST2C	261	261	264	264	215	218	218	218	218	218	218	218	218	264	262	262	262	264	264	264	264	264	264	264	264
Total CCGT-Gas		6250	6142	5922	5852	5534	5583	5388	5236	5217	5217	5230	5286	5501	5853	5760	5614	5937	6992	7777	8030	7917	8127	8114	8131	8099
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	57	78	78	78	78	78	78
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	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	21	78	91	75	101	86	85
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	77	83	92	71	95	90	87
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	98	100	98	100
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	47	95	94	95	95	95	97
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	97	74	97	93	86	81
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	106	117	91	123	112	107	97
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	155	433	475	609	736	801	787	759	964	1142	1267	1335
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	11	12	12	12	12	12	12	11	12	12	12	12	12	22	23	23	22	22	22	22	22	22	22	22
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	HY01	10	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	9	0	0	0	0	0	0	0	0	0	0	0	0	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	HY02	24	23	24	24	25	24	24	25	24	24	25	26	26	25	22	22	25	24	24	24	24	24	24	24	25

