

Availability at Daily Maximum Demand Hour

ST-Coal	2,900 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,860 MW
Hydro	1,712 MW
Distillate	0 MW
Total TNB	<u>8,472 MW</u>
Total IPP	<u>9,381 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>18,417 MW</u>

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	17,106 MW
TNB Generation	7,014 MW
IPP Generation	8,826 MW
Spinning Reserve	1,234 MW
Maximum Demand	15,886 MW
Net Energy	334,420 MWH
Load Factor	87.71 %

Gas Usage

Station	(mmscfd)
CBPS	14
CBPS	58
GLGR	54
PAKA	177
PGPS	49
SRDG	42
TJGS	157
Total TNB	551
KLPP	104
MPSS	61
PDPS	29
PGLA	56
PKLG	18
PLPS	97
PTEK	15
SGB3	90
SGRI	97
YPGS	70
YPKA	138
Total IPP	775
Total Gas	1,327
Total Gas Required	1,327

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	64,666	19.34 %
Gas	67,847	20.29 %
Hydro	15,109	4.52 %
Total TNB	147,622	44.14 %
ST-Coal	89,034	26.62 %
Gas	96,548	28.87 %
Total IPP	185,582	55.49 %
Co-Gen	828	0.25 %
Total Co-Gen	828	0.25 %
Total Generation	334,032	99.88 %
PLTG	-1,118	-0.33 %
HVDC	730	0.22 %
Interconnection	-388	-0.12 %
Net Energy	334,420	100.00 %

Fuel Cost

Total Cost:	53,985,763.47 RM
Cost per Unit	16.92 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	378
Hydro	370
Syncon	431
Thermal	110
Total	1,289

Time	Weather	Temperature
Afternoon	Hot	33
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	13172	12688	12158	11874	11680	11522	11852	11787	12234	13959	14826	15517	15351	14996	15502	15822	15886	15568	14474	14081	15196	15131	14677	14244

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	113	113	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112
SGB3	GT33	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
SGB3	ST34	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
SGRI	GT21	111	99	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
SGRI	GT22	113	113	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST24	137	126	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
YPGS	GT11	123	123	124	124	125	124	126	124	125	126	125	125	125	125	125	125	125	125	125	125	125	125	125	125
YPGS	GT12	126	128	126	127	128	128	129	129	132	129	128	130	130	129	132	130	130	128	128	128	126	126	126	127
YPGS	ST10	131	129	131	131	132	132	131	131	131	132	134	134	131	131	132	132	131	131	131	130	130	130	131	131
YPKA	BLK1	356	356	358	358	361	361	359	359	360	360	360	360	362	362	362	362	362	362	362	362	362	362	362	362
YPKA	BLK2	398	398	396	396	398	398	398	398	398	398	400	400	397	398	398	398	398	398	398	398	398	398	398	398
PLPS	GT11	145	120	122	116	105	109	75	66	61	58	57	65	61	62	63	65	107	110	112	145	147	148	148	145
PLPS	GT12	140	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	144	143	142	142	142	141	137
PLPS	GT13	143	121	118	111	103	107	72	63	61	57	64	60	63	60	65	105	108	108	140	146	146	145	141	139
PLPS	ST18	216	204	136	133	130	131	100	93	87	82	85	91	92	90	96	98	130	131	201	211	216	214	216	214
TJGS	GT1A	223	223	220	220	223	223	124	125	125	127	128	128	127	219	222	123	221	221	221	221	217	217	217	217
TJGS	ST1C	118	118	118	118	118	77	77	77	77	77	77	77	77	111	118	79	111	118	118	118	118	118	118	
TJGS	GT2A	215	215	215	215	211	132	132	132	132	132	132	132	214	188	194	187	188	188	195	204	202	218	218	
TJGS	GT2B	212	212	212	212	208	129	129	129	129	129	129	129	213	185	192	184	185	185	190	200	200	215	215	
TJGS	ST2C	256	256	256	256	209	211	211	211	211	211	211	211	253	239	245	239	238	249	249	249	261	261	261	261
Total CCGT-Gas		6600	6439	5937	5769	5725	5540	5228	5165	5164	5139	5131	5138	5038	5328	5383	4999	5476	6293	6788	7050	7145	7246	7300	7278
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
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
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
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
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
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
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
Total 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
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	24	24	24	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
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	9	9	10	9	10	9	9	9	9	10	10	9	10	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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	21	19	23	21	20	21	23	21	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20
KNYR	HY01	68	43	100	100	49	54	101	101	70	51	51	101	63	62	58	62	58	56	59	57	66	83	85	
KNYR	HY02	58	45	67	102	51	55	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	

