

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,990 MW
Hydro	1,864 MW
Distillate	0 MW
Total TNB	8,934 MW
Total IPP	10,338 MW
Total Co-Gen	0 MW
Total System	19,272 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,256	19.01 %
Gas	69,869	19.75 %
Hydro	18,231	5.15 %
Total TNB	155,356	43.92 %
ST-Coal	79,455	22.46 %
ST-Gas	1,928	0.55 %
ST-Oil	7,097	2.01 %
Gas	107,383	30.36 %
Total IPP	195,863	55.37 %
Co-Gen	1,531	0.43 %
Total Co-Gen	1,531	0.43 %
Total Generation	352,750	99.72 %
PLTG	-279	-0.08 %
HVDC	-702	-0.20 %
Interconnection	-981	-0.28 %
Net Energy	353,731	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:	14:30:00 Hour
Total Set On Bus	17,793 MW
TNB Generation	7,558 MW
IPP Generation	9,065 MW
Spinning Reserve	1,109 MW
Maximum Demand	16,707 MW
Net Energy	353,731 MWH
Load Factor	88.22 %

Fuel Cost

Total Cost:	60,946,952.16 RM
Cost per Unit	18.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	443
Hydro	381
Syncon	345
Thermal	62
Total	1,231

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	7
CBPS	50
GLGR	55
PAKA	193
PGGS	3
PGPS	51
SRDG	38
TJGS	160
Total TNB	558

KLPP	102
MPSS	60
PDPS	9
PGLA	110
PLPS	97
PTEK	4
SGB3	62
SGRI	184
SKSP	50
YPGS	69
YPKA	102
PKLG	20
Total IPP	869
Total Gas	1,427

Total Gas Required 1,497

Alternate Fuel Usage

Station	(mmscfd)
PKLG	70
Total	70

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	14436	13769	13270	12819	12587	12612	12546	12208	12774	14730	15591	16221	16070	15765	16441	16678	16654	16166	15158	14798	15490	15814	15472	15179

Daily MW Generation on Thursday

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
PGPS	ST3C	86	80	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
SGB3	GT31	107	107	68	68	66	66	66	66	67	67	67	67	66	65	67	67	67	67	67	67	67	67	67	67
SGB3	GT33	110	110	70	70	70	69	69	70	70	70	70	70	69	69	69	69	69	69	69	69	69	69	69	69
SGB3	ST34	135	135	109	101	101	100	100	100	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
SGRI	GT11	136	136	136	136	68	61	60	60	60	60	61	61	60	60	109	110	106	114	115	135	135	137	137	137
SGRI	GT12	144	143	143	143	144	67	65	65	65	65	66	66	65	65	65	110	109	110	110	110	110	110	110	110
SGRI	GT13	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	ST14	148	149	149	149	135	92	93	94	93	95	89	89	92	93	94	96	133	132	133	134	138	135	151	141
SGRI	GT21	134	134	134	111	119	135	105	132	98	105	105	125	133	90	62	104	131	109	131	136	135	132	135	109
SGRI	GT22	136	136	136	115	126	136	111	135	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
SGRI	GT23	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	132	128	140	141	131	131	108	108
SGRI	ST24	185	148	148	137	129	145	131	150	128	131	133	130	142	147	125	104	137	151	207	211	217	217	215	217
YPGS	GT11	124	123	124	124	123	124	123	123	124	124	124	122	126	125	125	124	124	124	121	120	121	117	120	119
YPGS	GT12	129	128	129	127	127	128	128	127	129	130	129	129	128	128	129	128	125	126	127	125	123	124	127	125
YPGS	ST10	132	132	132	131	131	131	131	131	131	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
YPKA	BLK1	269	269	269	268	268	269	269	269	269	270	270	269	269	269	268	268	269	269	267	267	265	265	265	265
YPKA	BLK2	296	296	296	295	295	297	297	298	298	298	298	298	298	297	297	298	298	296	296	294	294	294	294	294
PLPS	GT11	137	117	112	105	62	63	62	61	56	58	63	62	63	62	55	61	107	115	145	148	147	146	146	145
PLPS	GT12	136	124	120	119	70	70	70	70	63	65	69	70	69	69	63	70	115	122	142	143	141	139	140	138
PLPS	GT13	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	100	145	145	144	141	143	138	136
PLPS	ST18	190	136	132	133	95	97	97	95	89	91	94	93	95	95	95	102	137	140	188	215	214	214	213	213
SKSP	BLK1	230	338	320	234	238	268	214	263	212	212	217	213	257	275	213	221	210	219	219	213	278	243	295	229
TJGS	GT1A	215	215	215	215	141	124	124	125	122	122	122	122	122	125	122	122	122	216	216	216	212	212	212	212
TJGS	ST1C	122	122	122	122	98	81	81	81	81	81	81	81	81	81	81	81	96	96	70	70	70	70	70	70
TJGS	GT2A	224	223	223	223	223	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
TJGS	GT2B	220	220	220	220	220	217	217	217	217	217	128	128	130	130	130	180	219	221	218	218	216	216	216	216
TJGS	ST2C	264	264	264	264	264	262	262	262	262	262	213	211	211	211	211	211	239	264	264	264	264	264	264	264
Total CCGT-Gas		7325	6863	6613	6449	6041	5986	5863	5977	5823	5856	5940	5658	5765	5804	5577	5576	6034	6863	7453	7621	7793	7590	7703	7800
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
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
PGGS	GT6B	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
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	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
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	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
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	21	21	21	21	21	21	20	20	20	19	0	0	0	0	0	0	12	12	12	21	21	21	21	21
BSIA	HY02	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	22	22	22	22	22	22	22	22
BSIA	HY03	23	23	23	23	23	23	23	23	23	0	0	0	0	0	0	0	11	12	22	22	22	22	22	22
CEND	HY01	10	10	9	10	9	10	9	10	10	10	10	10	10	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	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

