

### Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,767 MW
Hydro	1,842 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,989 MW</b>
<b>Total IPP</b>	<b>11,085 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,644 MW</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	35,240	12.13 %
Gas	45,571	15.68 %
Hydro	13,543	4.66 %
<b>Total TNB</b>	<b>94,354</b>	<b>32.47 %</b>
ST-Coal	109,667	37.74 %
Gas	86,290	29.70 %
<b>Total IPP</b>	<b>195,957</b>	<b>67.44 %</b>
Co-Gen	1,251	0.43 %
<b>Total Co-Gen</b>	<b>1,251</b>	<b>0.43 %</b>
<b>Total Generation</b>	<b>291,562</b>	<b>100.34 %</b>
PLTG	291	0.10 %
HVDC	700	0.24 %
<b>Interconnection</b>	<b>991</b>	<b>0.34 %</b>
<b>Net Energy</b>	<b>290,571</b>	<b>100.00 %</b>

### 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:	21:00:00 Hour
Total Set On Bus	14,703 MW
TNB Generation	4,674 MW
IPP Generation	9,059 MW
Spinning Reserve	917 MW
Maximum Demand	13,779 MW
Net Energy	290,571 MWH
Load Factor	87.87 %

### Fuel Cost

Total Cost:	34,841,737.52 RM
Cost per Unit	12.53 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	271
Hydro	113
Syncon	561
Thermal	108
<b>Total</b>	<b>1,053</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	4
GLGR	55
PGPS	31
SRDG	16
TJGS	223
<b>Total TNB</b>	<b>329</b>
KLPP	99
PDPS	4
PGLA	107
PLPS	97
PTEK	3
SGRI	179
SKSP	35
YPGS	70
YPKA	70
<b>Total IPP</b>	<b>664</b>
<b>Total Gas</b>	<b>993</b>
<b>Total Gas Required</b>	<b>993</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### 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	12950	12315	12016	11543	11258	11032	11026	10895	10364	10907	11539	11941	12062	12116	12369	12307	12256	12483	12072	12293	13708	13779	13689	13473





Daily MW Generation on Sunday

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
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
TJGS	GT2A	220	220	220	220	220	220	220	220	220	222	222	222	221	221	221	221	218	216	218	218	218	218	218	219
TJGS	GT2B	219	219	219	221	219	219	219	219	219	220	220	220	220	219	219	219	219	222	223	223	223	220	220	222
TJGS	ST2C	261	261	261	261	261	261	259	259	259	259	259	259	261	258	258	261	263	263	263	263	263	263	258	252
Total CCGT-Gas		5740	5546	5249	5100	4957	4872	4787	4815	4681	4570	4777	4821	4750	4807	4732	4455	4381	4462	4734	4907	5087	5307	5439	5668
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
PDP5	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
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	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	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	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	HY02	13	12	12	12	12	11	12	12	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	14	13	13	12	13	12	11	12	12	12	14	12	13	4	0	0	0	0	0	0	0	0	0	0
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	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
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	24	23	23	22	22	23	21	22	22	21	22	24	22	23	22	21	20	23	23	24	23	39	39	39
KNYR	HY01	102	100	100	100	100	0	0	0	0	0	0	0	60	60	61	101	100	101	102	100	100	101	102	101
KNYR	HY02	101	100	100	100	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	101	99	99	100	100	100
KNYR	HY03	102	100	101	101	101	100	55	0	0	0	0	0	0	0	0	61	61	61	101	101	100	100	100	101
KNYR	HY04	99	99	102	99	99	98	76	99	83	86	98	99	100	101	88	59	60	71	99	100	102	101	94	102
LPIA	HY01	14	14	14	14	14	14	14	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3
PGAU	HY01	75	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	-1	-1	-1	22	-1	-1	82	82	82	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	20	-1	-1	-1	21	-1	-1	19	-1	-1	-1	-1	20	-1	-1	80	22	22	22	-1	-1
SIHY	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
SIHY	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
SIHY	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
SYPS	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
SYPS	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
SYPS	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
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	38	34	35	35	35	35	33	35	33	34	35	38	33	37	34	32	31	34	35	37	37	35	80	82
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		645	640	563	579	559	356	283	279	261	241	338	346	358	345	235	188	187	325	375	359	562	618	614	625
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	13	13	14	13	14	13	14	13	13	14	14	13	13	14	16	14	13	14	16	14	13	15	14	13

### Daily MW Generation on Sunday

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																										
PCUF	CUFK	37	40	38	38	38	39	38	38	40	39	39	37	40	41	40	39	39	39	39	39	39	38	37	38	38	39	37	37	37	38	38	39	38	38	39	40	38	39	39	39	39	39	39	38	39					
Total Co-Gen		50	53	52	51	52	52	51	53	53	53	50	53	55	56	53	52	53	55	53	51	52	52	51	53	50	50	51	52	52	51	49	50	52	52	54	52	51	54	54	51	55	53	52	51	52	52	53			
Total Gen		13006	12703	12353	12194	12020	11696	11535	11473	11285	11048	11049	11132	11017	11081	10888	10548	10473	10708	11027	11199	11571	11836	11970	12202	12121	12199	12174	12318	12435	12398	12340	12384	12339	12221	12514	12289	12155	12191	12340	13199	13735	13781	13786	13778	13729	13624	13544	13342		
TIE-EGAT		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-HVDC		30	30	30	30	30	31	31	30	31	30	30	31	31	31	31	31	31	30	30	31	31	29	29	31	31	30	30	31	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30	31	31	30	30	30	31	
TIE-PLTG		25	-21	-12	19	-26	-61	-39	4	-4	-14	-13	-42	-40	-15	-38	35	78	67	89	18	2	18	-2	8	30	43	28	16	36	-30	2	-14	52	25	60	72	53	93	16	-44	-3	48	-24	-14	10	11	41	38		
Interconnection		56	10	18	49	4	-30	-8	34	27	16	17	-11	-9	16	-7	66	109	98	120	48	32	49	29	37	59	74	58	46	66	0	33	17	83	56	31	102	83	124	47	-14	27	79	7	16	40	41	71	68		
System Total		12950	12693	12315	12145	12016	11726	11543	11439	11258	11032	11032	11143	11026	11065	10895	10482	10364	10610	10907	11151	11539	11787	11941	12165	12062	12125	12116	12272	12369	12398	12307	12367	12256	12165	12483	12187	12072	12067	12293	13213	13708	13702	13779	13762	13689	13583	13473	13274		
SRev ST-Coal		.12	.89	.97	.91	.106	.88	.91	.90	.102	.82	.12	-.22	.37	.19	.28	.41	.40	.25	.30	.13	.22	.34	.28	.35	.44	.27	.30	.24	.134	.254	.293	.337	.401	.513	.62	.43	.18	.26	.28	.10	.28	.29	.14	.43	.17	.28	.28	.62		
SRev 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	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	0
SRev CCGT-Gas		221	354	230	379	172	257	342	314	448	559	352	308	379	322	397	674	748	662	598	425	458	238	456	227	421	326	374	286	175	227	263	223	259	379	387	456	732	701	767	436	134	104	107	94	176	82	150	184		
SRev ST-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	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
SRev Co-Gen		26	23	24	25	24	24	24	25	23	23	23	26	23	21	20	23	24	23	21	23	25	24	24	25	23	26	26	25	24	24	25	27	26	24	24	24	22	24	25	22	22	25	21	23	24	25	24	24	23	
Syncon		624	624	624	473	624	725	725	574	574	725	574	574	423	574	725	725	725	725	574	725	467	467	467	467	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618	618		
Hydro		176	181	108	243	112	114	187	242	261	130	183	175	314	176	111	134	136	197	298	163	209	153	157	146	169	110	109	85	70	69	87	228	84	72	425	70	91	78	71	215	151	49	57	48	189	51	62	109		
S.Reserve Total		1059	1271	1083	1211	1038	1208	1369	1248	1408	1519	1144	1061	1176	1112	1281	1597	1673	1632	1521	1349	1181	916	1132	900	1124	1107	1157	1038	1021	1192	1286	1282	1388	1606	1063	1209	1483	1448	1635	1443	907	922	917	925	974	861	941	1041		