

#### Availability at Daily Maximum Demand Hour

ST-Coal	1,700 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,007 MW
Hydro	2,010 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,717 MW</b>
<b>Total IPP</b>	<b>9,831 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>17,548 MW</b>

#### Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

#### Gas Usage

Station	(mmscfd)
CBPS	21
GLGR	55
NPRI	56
PAKA	130
PGGS	15
PGPS	4
SRDG	30
TJGS	217
<b>Total TNB</b>	<b>530</b>

#### Alternate Fuel Usage

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

#### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	16,551 MW
TNB Generation	5,838 MW
IPP Generation	9,562 MW
Spinning Reserve	1,110 MW
Maximum Demand	15,422 MW
Net Energy	317,915 MWH
Load Factor	85.89 %

#### Generation Mix

Type	MWh	Percentage
ST-Coal	36,215	11.39 %
Gas	69,061	21.72 %
Hydro	12,093	3.80 %
<b>Total TNB</b>	<b>117,369</b>	<b>36.92 %</b>
ST-Coal	99,253	31.22 %
ST-Gas	9,692	3.05 %
Gas	90,679	28.52 %
<b>Total IPP</b>	<b>199,624</b>	<b>62.79 %</b>
Co-Gen	1,039	0.33 %
<b>Total Co-Gen</b>	<b>1,039</b>	<b>0.33 %</b>
<b>Total Generation</b>	<b>318,032</b>	<b>100.04 %</b>
PLTG	-605	-0.19 %
EGAT	-4	0.00 %
HVDC	726	0.23 %
<b>Interconnection</b>	<b>117</b>	<b>0.04 %</b>
<b>Net Energy</b>	<b>317,915</b>	<b>100.00 %</b>

#### Fuel Cost

Total Cost:	46,935,085.50 RM
Cost per Unit	15.34 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	347
Hydro	231
Syncon	722
Thermal	116
<b>Total</b>	<b>1,416</b>

KLPP	106
PDPS	47
PGLA	115
PKLG	14
PLPS	102
PTEK	41
SGB3	86
SGRI	168
SKSP	53
PKLG	97
<b>Total IPP</b>	<b>829</b>
<b>Total Gas</b>	<b>1,358</b>
<b>Total Gas Required</b>	<b>1,358</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

#### 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	11804	11560	11069	10674	10569	10472	10407	10664	11425	13327	14169	14766	14868	14640	15080	15396	15412	15064	14195	14199	14992	14627	14029	13579



Daily MW Generation on Monday

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SCB3	ST34	72	70	70	70	66	66	66	66	64	64	64	64	64	64	68	70	156	155	221	221	223	223	223	223	223
SGRI	GT11	140	138	128	107	122	109	109	63	63	63	63	64	64	60	64	107	143	139	139	140	139	140	140	140	140
SGRI	GT12	32	0	0	0	0	0	0	0	0	0	0	0	0	39	118	153	153	152	155	153	153	152	152	152	152
SGRI	GT13	140	138	128	101	121	111	108	61	62	62	62	62	62	62	62	62	105	141	138	138	137	137	136	136	136
SGRI	ST14	189	146	137	130	134	139	132	101	94	97	94	94	93	94	98	102	133	190	220	220	220	219	222	219	220
SGRI	GT21	115	134	124	107	117	114	114	64	63	63	64	64	63	63	63	63	113	134	134	133	133	133	132	132	130
SGRI	GT23	112	139	126	107	118	114	114	63	63	63	63	63	63	63	63	111	150	148	148	150	149	148	149	147	147
SGRI	ST24	133	143	134	130	131	133	131	96	93	90	90	92	92	92	93	93	133	150	147	147	147	147	149	148	150
SKSP	BLK1	326	346	347	301	289	221	213	231	246	213	230	214	213	218	212	242	346	349	316	304	324	280	292	303	321
TJGS	GT1A	192	208	208	208	222	215	194	198	208	199	208	199	195	190	195	212	200	226	199	196	190	223	223	223	223
TJGS	GT1B	181	196	196	196	208	202	182	182	203	187	201	184	186	179	184	202	187	218	182	183	173	217	217	217	217
TJGS	ST1C	241	233	229	229	226	246	226	230	227	221	224	220	224	232	224	232	230	248	223	234	238	253	256	256	256
TJGS	GT2A	224	224	224	224	210	193	186	192	213	190	205	191	189	186	189	201	193	223	192	188	185	217	217	217	217
TJGS	GT2B	221	221	223	223	207	188	182	189	209	185	203	188	185	182	220	220	220	217	217	219	219	219	217	217	217
TJGS	ST2C	263	263	263	263	243	245	242	244	241	238	240	238	238	247	239	248	241	259	240	239	245	264	264	264	264
Total CCGT-Gas		5536	5461	5400	5222	4925	4698	4560	4354	4428	4303	4385	4293	4295	4407	4569	4695	5252	5936	5992	6398	6332	6444	6684	6943	
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	106	72	87	87	97	90	93	
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	106	106	82	78	80	81	96	86	
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	86	86	94	90	91	
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	106	77	73	77	81	92	83	87	
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	100	100	99	100	100	100	100	100	
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	101	72	72	72	77	96	92	93	
PTEK	GT1B	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	9	110	110	76	79	89	79	101	105	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	108	108	108	108	70	69	69	107	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	106	105	106	106	106	106	106	105	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	125	125	125	124	124	124	124	123	
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	746	902	851	1031	1041	1041	1047	1012	
BSIA	HY01	10	11	11	10	10	11	11	11	10	11	10	10	10	11	11	11	11	10	10	10	21	21	21	21	
BSIA	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	
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	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	
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	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	
HTRG	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	
HTRG	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	
KNRG	HY01	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	36	36	36	36	36	36	36	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	
KNYR	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	
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	HY04	55	61	61	51	58	60	58	56	60	55	61	54	56	58	60	62	61	69	57	58	97	97	96	96	
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	
MNOR	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	

**Daily MW Generation on Monday**

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																											
PGAU	HY01	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	108	85	84	111	112	86	85	85	85	21	109	109	109	113	112	112	112	-1	-1	-1	-1	-1	112	112	112	87	87	87	87	85	85						
PGAU	HY02	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	-1	-1	-1	-1	-1	-1	-1	-1	-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	HY03	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	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		
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	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	
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	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	
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	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	
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	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	
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	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	
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	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	
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	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	
TMGR	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	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	
TMGR	HY02	25	29	31	22	31	34	26	27	31	25	29	25	27	29	31	32	32	38	28	29	79	82	84	78	85	84	85	83	86	87	83	88	83	84	77	82	34	33	84	84	82	82	35	34	31	36	32	32			
TMGR	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	-1	-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	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	-1	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
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	4	4	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		182	193	195	175	190	220	208	207	194	182	193	181	185	210	194	197	196	418	344	345	732	820	756	853	630	628	564	776	798	1106	1106	994	1055	1064	454	356	237	234	348	863	861	861	711	712	702	467	413	315			
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	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
PCUF	CUFG	16	17	17	16	16	17	16	18	16	17	18	18	18	18	18	20	17	16	17	16	17	16	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
PCUF	CUFK	27	29	28	28	29	27	29	29	29	30	30	29	29	30	29	30	29	26	25	23	23	27	23	23	23	24	23	25	25	23	24	21	22	23	23	23	26	26	26	27	26	28	28	28	28	28	28	28	28	28	28
Total Co-Gen		43	46	45	44	45	44	45	47	45	47	48	47	47	48	47	49	47	48	47	46	42	41	40	39	44	40	39	40	39	41	41	39	41	37	39	40	40	39	42	43	44	44	41	45	41	43	45	45	45	45	
Total Gen		11858	11684	11509	11272	11030	10854	10716	10522	10569	10416	10528	10446	10440	10561	10724	10845	11404	12529	13271	13921	14204	14562	14771	15098	14858	14700	14677	14989	15065	15441	15378	15383	15400	15359	15028	14551	14219	13985	14235	15010	14984	14928	14628	14429	14053	13867	13566	13293			
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	0	0
TIE-HVDC		30	30	31	31	30	30	31	31	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		24	23	-82	-67	-69	-72	12	-72	-31	15	26	-50	3	-41	29	-34	-51	23	-85	89	5	-39	-25	-11	-40	-62	7	-23	-45	-11	-48	-29	-42	-27	-66	-88	-6	7	6	21	-38	3	-28	-72	-6	-43	-43	-55			
Interconnection		54	53	-81	-36	-39	-41	42	-42	0	45	56	-19	33	-11	60	-4	-21	54	-55	119	35	-9	5	20	-10	-32	37	7	-15	19	-18	1	-12	3	-36	-59	24	37	36	51	-8	33	1	-42	24	-13	-13	-25			
System Total		11804	11631	11560	11308	11069	10895	10674	10564	10569	10371	10472	10465	10407	10572	10664	10849	11425	12475	13327	13802	14169	14571	14766	15078	14868	14732	14640	14952	15080	15422	15396	15382	15412	15356	15064	14610	14195	13948	14159	14959	14992	14905	14627	14471	14029	13880	13579	13318			
SRev ST-Coal		114	113	108	117	79	105	96	86	99	117	99	78	88	106	90	98	95	103	110	98	84	104	82	110	99	115	106	105	105	127	94	124	115	124	118	114	121	111	114	110	119	113	111	112	106	123	96	101			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	247	6	68	119	157	147	147	141	176	168	98	48	40	118	53	73	110	266	205	250	238	212	127	149	133	153	35	97	0	0	0	0		
SRev CCGT-Gas		469	131	192	370	667	894	1032	1238	1164	1289	1207	1399	1383	1271	1109	983	995	341	431	373	347	205	150	161	323	291	254	257	231	215	228	184	155	181	303	288	338	592	267	107	100	83	316	49	514	159	394	372			
SRev ST-Gas		2	82	74	72	72	72	73	73	72	72	72	72	73	73	72	72	80	11	3	1	1	0	0	2	25	2	2	1	3	8	42	20	26	1	3	2	0	0	0	0	0	27	20	0	0	41	14	2			
SRev Co-Gen		-43	-46	-45	-44	-45	-44	-45	-47	-45	-47	-48	-47	-47	-48	-47	-46	-42	-41	-40	-39	-44	-40	-39	-40	-39	-40	-39	-41	-41	-39	-41	-37	-39	-40	-40	-39	-42	-43	-44	-44	-41	-45	-41	-43	-45	-45	-45				
Syncon		964	964	964	964	964	813	813	964	964	964	964	964	964	964	802	802	802	802	802	802	651	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590			
Hydro		125	114	112																																																