

### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,541 MW
Hydro	2,126 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,737 MW</b>
<b>Total IPP</b>	<b>9,276 MW</b>
<b>Total Co-Gen</b>	<b>31 MW</b>
<b>Total System</b>	<b>18,614 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	28	<b>Total</b>	<b>0</b>
GLGR	49		
NPRI	75		
PAKA	106		
PGGS	6		
SRDG	18		
TJGS	220		
<b>Total TNB</b>	<b>503</b>		
KLPP	104		
MPSS	36		
PGLA	114		
PKLG	11		
PLPS	18		
SGB3	19		
SGRI	173		
SKSP	34		
<b>Total IPP</b>	<b>509</b>		
<b>Total Gas</b>	<b>1,012</b>		
<b>Total Gas Required</b>	<b>1,012</b>		

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

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	14,920 MW
TNB Generation	5,858 MW
IPP Generation	7,888 MW
Spinning Reserve	1,156 MW
Maximum Demand	13,729 MW
Net Energy	294,382 MWH
Load Factor	89.34 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	48,683	16.54 %
Gas	68,521	23.28 %
Hydro	9,486	3.22 %
<b>Total TNB</b>	<b>126,690</b>	<b>43.04 %</b>
ST-Coal	102,427	34.79 %
Gas	64,861	22.03 %
<b>Total IPP</b>	<b>167,288</b>	<b>56.83 %</b>
Co-Gen	479	0.16 %
<b>Total Co-Gen</b>	<b>479</b>	<b>0.16 %</b>
<b>Total Generation</b>	<b>294,457</b>	<b>100.03 %</b>
PLTG	-580	-0.20 %
HVDC	655	0.22 %
<b>Interconnection</b>	<b>75</b>	<b>0.03 %</b>
<b>Net Energy</b>	<b>294,382</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	38,745,967.30 RM
Cost per Unit	13.60 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	305
Hydro	302
Syncon	733
Thermal	49
<b>Total</b>	<b>1,389</b>

### Time Weather Temperature

Afternoon	Cloudy	35
Morning	Cloudy	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	11851	11450	10974	10641	10365	10151	10197	10420	11013	12089	12834	13234	13228	13039	13293	13442	13543	13356	12562	12551	13673	13600	13253	13001





### Daily MW Generation on Wednesday

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																											
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	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																												
Total Hydro		426	331	215	212	200	214	188	185	205	188	183	188	222	233	172	223	426	220	392	219	308	505	499	403	224	210	213	230	572	530	536	518	562	460	240	243	237	323	634	842	1119	1070	589	900	822	493	355				
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				
PCUF	CUFG	3	1	2	2	1	2	2	2	4	3	4	3	4	2	2	3	3	4	3	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				
PCUF	CUFK	19	19	19	19	18	19	19	19	20	20	19	20	19	18	19	18	18	20	18	19	21	16	18	17	18	18	17	17	16	17	17	18	17	18	19	18	19	20	20	19	18	18	19	20	19	19	18				
Total Co-Gen		22	20	21	21	19	21	21	21	24	23	23	23	23	20	21	21	22	23	19	20	22	17	19	18	19	19	18	18	17	18	18	18	19	18	19	18	19	20	20	19	18	18	19	20	21	20	20	19			
Total Gen		11855	11703	11481	11243	11025	10908	10665	10538	10385	10325	10174	10177	10193	10373	10385	10682	11032	11788	12097	12475	12773	13014	13226	13276	13247	13127	13060	13206	13247	13509	13425	13533	13530	13504	13388	12874	12567	12323	12540	13339	13711	13764	13618	13458	13124	13017	12958	12775			
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			
TIE-HVDC		31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	30	31	31	31	31	29	29	30	-30	-30	0	30				
TIE-PLTG		-27	-50	0	9	20	13	-6	-8	-10	-24	-8	-25	-34	28	-65	57	-12	-20	-23	-55	-91	-49	-38	-90	-11	-23	-10	-24	-76	-18	-48	-36	-43	-22	1	-6	-25	-26	-42	31	8	6	-11	-49	-99	-34	-43	-51			
Interconnection		4	-19	31	40	51	44	24	22	20	7	23	6	-4	58	-35	88	19	10	8	-25	-61	-18	-8	-60	19	7	21	6	-46	12	-17	-6	-13	9	32	24	5	4	-11	62	38	35	18	-19	-129	-64	-43	-21			
System Total		11851	11722	11450	11203	10974	10864	10641	10516	10365	10318	10151	10171	10197	10315	10420	10594	11013	11778	12089	12500	12834	13032	13234	13336	13228	13120	13039	13200	13293	13497	13442	13539	13543	13495	13356	12850	12562	12319	12551	13277	13673	13729	13600	13477	13253	13081	13001	12796			
SRev ST-Coal		96	53	40	47	35	55	30	43	45	42	39	50	47	37	30	53	21	77	80	47	54	31	30	32	41	49	76	36	49	57	45	36	46	21	57	51	25	65	38	65	44	71	71	68	51	62	60	66			
SRev OCGT-Gas		89	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	173	102	85	38	18	65	88	160	168	169	167	275	98	123	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		114	41	142	370	586	413	585	696	870	915	1064	1055	1042	903	910	632	1024	691	584	440	152	95	192	133	120	183	310	374	324	383	313	269	224	141	168	479	816	1067	976	235	123	336	238	189	268	279	61	163			
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		9	11	10	10	12	10	10	7	8	8	8	8	11	10	10	10	9	8	12	11	9	14	12	13	12	12	13	13	14	13	13	13	13	13	12	13	12	11	11	11	12	13	13	12	11	10	11	11	12		
Syncon		651	651	802	802	802	802	802	651	802	802	802	802	802	953	953	953	953	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	953	953	953	953	953	953	953	651	550	424	424	550	298	399	701	852		
Hydro		318	413	253	256	268	254	130	133	264	130	135	130	130	95	84	145	94	192	398	226	399	310	213	219	215	394	404	401	384	292	338	332	199	155	257	177	174	180	194	235	363	312	424	381	322	299	226	213			
S.Reserve Total		1277	1273	1247	1485	1703	1534	1557	1684	1837	1897	2048	2045	2029	1999	1987	1793	2102	1944	1974	1612	1456	1265	1316	1286	1351	1608	1773	1793	1847	1646	1634	1486	1469	1282	1448	1672	1979	2276	2172	1198	1093	1156	1169	1199	949	1050	1059	1306			