

**Availability at Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,739 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,143 MW</b>
<b>Total IPP</b>	<b>10,813 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,526 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	43,919	13.83 %
Gas	48,150	15.16 %
Hydro	16,309	5.14 %
<b>Total TNB</b>	<b>108,378</b>	<b>34.13 %</b>
ST-Coal	112,805	35.52 %
Gas	96,288	30.32 %
<b>Total IPP</b>	<b>209,093</b>	<b>65.84 %</b>
Co-Gen	1,223	0.39 %
<b>Total Co-Gen</b>	<b>1,223</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>318,694</b>	<b>100.36 %</b>
PLTG	500	0.16 %
HVDC	637	0.20 %
<b>Interconnection</b>	<b>1,137</b>	<b>0.36 %</b>
<b>Net Energy</b>	<b>317,557</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:	15:30:00 Hour
Total Set On Bus	16,405 MW
TNB Generation	5,305 MW
IPP Generation	10,069 MW
Spinning Reserve	985 MW
Maximum Demand	15,321 MW
Net Energy	317,557 MWH
Load Factor	86.36 %

**Fuel Cost**

Total Cost:	43,420,166.05 RM
Cost per Unit	14.35 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	584
Hydro	517
Syncon	135
Thermal	92
<b>Total</b>	<b>1,328</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

**Gas Usage**

Station	(mmscfd)
CBPS	26
GLGR	54
PGPS	25
SRDG	48
TJGS	218
<b>Total TNB</b>	<b>372</b>
KLPP	114
MPSS	28
PDPS	18
PGLA	60
PKLG	8
PLPS	105
PTEK	20
SGB3	17
SGRI	170
SKSP	35
YPGS	66
YPKA	120
<b>Total IPP</b>	<b>762</b>
<b>Total Gas</b>	<b>1,134</b>
<b>Total Gas Required</b>	<b>1,134</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	12343	11865	11584	11203	10844	10687	10975	10957	11402	13156	14029	14672	14703	14459	14983	15199	15282	14805	13636	13306	14408	14516	14132	13808





**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	HY04	-1	-1	-1	-1	21	-1	-1	-1	20	-1	-1	-1	-1	22	22	21	21	82	111	22	18	20	22	110	22	111	109	111	111	112	108	-1	-1	-1	-1	21	-1	-1	111	111	108	112	110	-1						
SIHY	HY01	50	30	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	49	49	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	0	0	0	30	30	30	30	30	0	0	0					
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	0	0	0	0	0	30	30	30	30	30	0	0	0			
SIHY	HY03	50	30	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	0	0	0	0	0	30	30	30	30	30	0	0	0			
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0	0			
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0	0			
SYPS	HY03	25	16	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0	0				
SYPS	HY04	25	16	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0	0				
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	-1	-1	33	29	27	30	-1	-1	-1	75	74	74	81	82	82	-1	-1	-1	-1	84	86	86	83	82	84	59	31					
TMGR	HY02	29	28	31	28	28	28	29	29	29	28	30	31	28	29	31	32	32	31	57	34	58	34	30	28	31	37	35	34	75	75	74	82	80	80	30	31	30	35	85	85	87	83	82	83	60	32				
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0	0				
TMGR	HY04	31	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	36	57	33	32	30	32	37	36	35	72	72	78	78	32	-1	-1	-1	81	81	83	80	79	80	58	33							
UPIA	HY01	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				
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				
Total Hydro		609	408	247	265	294	286	208	222	216	197	196	194	230	211	194	197	196	442	535	632	822	803	1202	731	671	659	696	898	979	1173	1413	1411	1409	1442	1294	935	485	457	454	517	887	1015	1196	1162	1139	887	999	774		
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	
PCUF	CUFG	13	12	11	13	12	13	11	12	12	12	13	13	13	13	12	12	12	12	12	11	10	12	11	13	11	11	11	12	14	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13	13			
PCUF	CUFK	38	40	40	40	39	41	41	41	42	42	41	40	39	39	39	39	39	39	39	39	37	36	37	35	35	35	34	34	35	33	35	35	38	34	36	37	39	39	38	39	39	39	39	41	39	40	40	41		
Total Co-Gen		51	52	51	53	51	54	52	53	53	54	55	53	53	52	51	53	52	52	51	51	49	48	49	46	45	47	45	47	46	44	46	46	50	48	51	51	53	53	52	53	53	53	55	56	54	54	53	54		
Total Gen		12295	12007	11815	11746	11610	11225	11213	11009	10896	10772	10723	10656	11032	11170	11006	11122	11480	12517	13243	13661	14101	14421	14758	14898	14848	14644	14561	14763	15042	15336	15350	15420	15381	15358	14882	14397	13704	13383	13329	13588	14443	14480	14472	14417	14235	13925	13928	13760		
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	-28	31	29	29	31	31	31	31	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	30		
TIE-PLTG		-18	-60	-21	-29	-3	3	-20	-10	21	-4	6	10	27	-24	19	0	48	4	57	-23	42	36	55	21	115	100	72	1	29	56	120	69	69	26	46	28	38	17	-7	-98	5	-4	-75	15	73	-37	89	118		
Interconnection		-48	-90	-50	2	26	32	10	21	52	26	36	40	57	7	49	30	78	34	87	7	72	66	86	52	145	130	102	31	59	86	151	99	99	56	77	59	68	47	23	-67	35	26	-44	45	103	-7	120	148		
System Total		12343	12097	11865	11744	11584	11193	11203	10988	10844	10746	10687	10616	10975	11163	10957	11092	11402	12483	13156	13654	14029	14355	14672	14846	14703	14514	14459	14732	14983	15250	15199	15321	15282	15302	14805	14338	13636	13336	13306	13925	14408	14454	14516	14372	14132	13932	13808	13612		
SRev ST-Coal		3	27	34	27	35	50	26	19	53	16	14	96	30	128	49	165	174	140	184	158	125	98	57	272	128	162	153	-14	18	40	91	52	60	54	85	77	71	58	55	38	19	9	15	204	95	59	22	53		
SRev OCGT-Gas		7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		429	456	371	467	414	779	735	961	1034	1407	1458	1662	1388	1519	1772	1695	1666	1117	770	746	587	395	583	610	730	668	799	274	397	349	394	317	322	362	606	613	565	869	928	652	351	333	298	311	455	551	746	841		
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		25	24	25	23	25	22	24	23	23	22	21	23	23	24	25	23	24	24	25	25	27	28	27	30	31	29	31	29	30	32	30	30	26	28	25	25	23	23	24	23	23	21	20	22	22	23	22			
Syncon		536	637	719	719	568	719	719	568	568	719	719	719	719	165	165	165	0	486	83	0	0	0	0	0	0	0	234	234	83	0	0	0	0	0	0	453	536	618	618	467	453	453	151	151	151	151	151	151		
Hydro		235	235	164	146	268	125	103	240	246	114	115	117	232	100	117	114	115	758	863	941	916	449	454	1008	1068	1080	1043	607	526	483	326	328	330	297	242	98	233	179	182	270	164	186	389	423	446	448	356	411		
S.Reserve Total		1235	1379	1313	1382	1310	1695	1607	1811	1924	2278	2327	2617	2241	2490	2682	2716	2698	2204	2007	2045	1665	1581	1359	1970	2020	2364	2447	1205	1377	1083	1164	985	1024	988	1241	1657	1648	1969	2023	1634	1317	1016	886	1121	1169	1231	1278	1628		