

**Availability at Daily Maximum Demand Hour**

ST-Coal	1,410 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,534 MW
Hydro	1,889 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,833 MW</b>
<b>Total IPP</b>	<b>11,019 MW</b>
<b>Total Co-Gen</b>	<b>85 MW</b>
<b>Total System</b>	<b>18,222 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,251	11.02 %
Gas	33,963	11.61 %
Hydro	33,916	11.59 %
<b>Total TNB</b>	<b>100,130</b>	<b>34.22 %</b>
ST-Coal	114,006	38.96 %
Gas	77,804	26.59 %
<b>Total IPP</b>	<b>191,810</b>	<b>65.55 %</b>
Co-Gen	1,627	0.56 %
<b>Total Co-Gen</b>	<b>1,627</b>	<b>0.56 %</b>
<b>Total Generation</b>	<b>293,567</b>	<b>100.33 %</b>
PLTG	235	0.08 %
HVDC	728	0.25 %
<b>Interconnection</b>	<b>963</b>	<b>0.33 %</b>
<b>Net Energy</b>	<b>292,604</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:	14:30:00 Hour
Total Set On Bus	15,198 MW
TNB Generation	4,858 MW
IPP Generation	9,213 MW
Spinning Reserve	1,044 MW
Maximum Demand	14,092 MW
Net Energy	292,604 MWH
Load Factor	86.51 %

**Fuel Cost**

Total Cost:	34,237,166.81 RM
Cost per Unit	13.18 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	867
Hydro	143
Syncon	55
Thermal	85
<b>Total</b>	<b>1,150</b>

**Time Weather Temperature**

Afternoon	Hot	35
Morning	Sunny	25

**Gas Usage**

Station	(mmscfd)
CBPS	1
GLGR	56
PGPS	37
SRDG	21
TJGS	143
<b>Total TNB</b>	<b>258</b>
KLPP	99
MPSS	46
PDPS	23
PGLA	86
PKLG	5
PTEK	15
SGRI	171
SKSP	43
YPGS	70
YPKA	69
<b>Total IPP</b>	<b>627</b>
<b>Total Gas</b>	<b>885</b>
<b>Total Gas Required</b>	<b>885</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	11574	11017	10643	10418	9994	9977	10167	10358	10747	12287	13098	13679	13756	13528	13901	14012	13964	13576	12715	12629	13198	12972	12327	11900





**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	HY02	90	89	91	92	87	86	93	88	89	91	90	88	92	93	92	90	92	88	89	92	91	93	94	94	94	94	93	93	91	93	93	93	93	93	93	74	71	74	71	74	74	78	70	72	78	77	0	0	0		
TMGR	HY03	91	89	92	92	87	87	92	89	89	92	90	89	92	92	92	91	92	89	90	92	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	93	93	92	92	93	93	93	93	90	93	92	92	93	93	93	
TMGR	HY04	86	85	86	86	83	82	86	84	85	86	85	84	86	86	85	86	86	84	85	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
UPLA	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	5	
Total Hydro		1255	1252	1265	989	968	951	969	952	979	990	984	999	1062	1064	1062	1151	1241	1144	1184	1204	1517	1733	1674	1733	1595	1598	1593	1591	1665	1668	1665	1661	1662	1659	1644	1638	1695	1685	1697	1739	1787	1727	1777	1760	1619	1440	1439	1439			
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	18	14	17	21	19	20	20	19	20	23	22	23	23	22	24	22	22	20	22	21	32	48	49	48	48	48	49	48	49	48	49	48	50	50	50	50	50	52	50	47	48	49	48	48	47	46	45	43			
PCUF	CUFK	25	27	28	26	28	28	28	29	28	30	30	29	32	30	32	31	30	28	29	28	27	26	26	28	31	34	33	33	32	34	33	34	34	34	37	38	38	40	37	37	35	37	36	37	36	37	38				
Total Co-Gen		43	41	45	47	47	48	49	47	50	53	51	55	53	54	55	52	50	49	50	48	58	74	77	79	82	81	82	80	83	81	82	84	84	87	88	88	92	87	84	83	86	84	85	84	85	84	82	82	81		
Total Gen		11687	11304	11059	10860	10719	10592	10502	10306	10084	10102	10050	10053	10186	10277	10339	10471	10722	11788	12296	12700	13062	13443	13639	13942	13728	13591	13587	13697	13906	14154	14033	14070	13971	13939	13630	13156	12776	12591	12704	13319	13285	13102	13013	12763	12407	12120	11934	11642			
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		31	31	30	30	31	31	30	30	30	30	31	31	30	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		52	8	12	38	46	132	54	85	60	-6	43	63	-12	37	-50	30	-56	29	-22	-43	-67	-56	-71	-45	-59	7	29	-17	-25	32	-10	-14	-23	-27	24	62	31	-45	45	21	57	40	11	29	50	-16	4	2			
Interconnection		83	38	42	68	76	162	84	115	90	23	73	93	19	67	-19	60	-25	60	9	-12	-36	-25	-40	-14	-28	38	59	13	5	61	21	17	7	3	54	92	61	-15	75	51	87	70	41	59	80	14	34	32			
System Total		11574	11266	11017	10792	10643	10430	10418	10191	9994	10079	9977	9960	10167	10210	10358	10411	10747	11728	12287	12712	13098	13468	13679	13956	13756	13553	13528	13684	13901	14093	14012	14053	13964	13936	13876	13064	12715	12606	12629	13268	13198	13032	12972	12704	12327	12106	11900	11610			
SRev ST-Coal		164	101	132	108	153	226	116	156	224	235	266	263	221	231	218	129	108	175	160	101	111	116	94	79	92	117	107	198	111	113	113	59	63	70	74	29	21	37	21	35	35	46	67	48	75	17	20	8			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	188	259	300	299	300	303	299	348	306	340	343	344	420	262	124	75	75	74	74	169	183	110	112	0	0	0	0			
SRev CCGT-Gas		841	1052	706	655	730	768	986	1126	1305	1290	1308	1321	1297	1196	1146	1423	1635	873	777	589	646	445	584	457	593	710	715	717	718	516	707	641	738	677	810	1003	1388	1551	1462	872	502	966	520	781	785	540	722	812			
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		42	44	40	38	38	37	37	36	38	35	32	34	30	32	31	30	33	35	36	35	37	27	11	8	6	3	4	3	5	2	4	3	1	1	-11	-12	-12	-16	-11	-8	-7	-10	-8	-9	-8	-6	-6	-5			
Syncon		302	302	302	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hydro		5	8	-5	120	141	158	50	67	65	54	60	196	55	53	55	131	121	218	178	158	207	142	201	142	280	277	282	284	110	107	110	114	113	116	131	137	130	140	128	136	77	137	87	79	220	155	156	156			
S.Reserve Total		1354	1507	1175	1374	1515	1642	1732	1928	2175	2157	2209	2206	2146	2055	1993	2166	2350	1754	1604	1336	1198	918	1149	986	1270	1407	1411	1501	1317	1044	1274	1160	1259	1284	1266	1281	1602	1787	1674	1109	776	1322	776	1011	1072	857	1043	1122			