

### Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,598 MW
Hydro	1,801 MW
Distillate	0 MW
Total TNB	<u>6,779 MW</u>
Total IPP	<u>10,914 MW</u>
Total Co-Gen	0 MW
Total System	<u>17,693 MW</u>

### Generation Mix

Type	MWh	Percentage
ST-Coal	27,803	8.55 %
Gas	60,537	18.62 %
Hydro	17,053	5.25 %
<b>Total TNB</b>	<b>105,393</b>	<b>32.42 %</b>
ST-Coal	101,986	31.37 %
ST-Gas	646	0.20 %
Gas	114,918	35.35 %
<b>Total IPP</b>	<b>217,550</b>	<b>66.92 %</b>
Co-Gen	2,049	0.63 %
<b>Total Co-Gen</b>	<b>2,049</b>	<b>0.63 %</b>
<b>Total Generation</b>	<b>324,992</b>	<b>99.97 %</b>
PLTG	600	0.18 %
HVDC	-701	-0.22 %
<b>Interconnection</b>	<b>-101</b>	<b>-0.03 %</b>
<b>Net Energy</b>	<b>325,093</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	16,628 MW
TNB Generation	5,461 MW
IPP Generation	10,172 MW
Spinning Reserve	905 MW
Maximum Demand	15,762 MW
Net Energy	325,093 MWH
Load Factor	85.94 %

### Fuel Cost

Total Cost:	52,298,113.34 RM
Cost per Unit	16.98 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	351
Hydro	396
Syncon	207
Thermal	22
<b>Total</b>	<b>976</b>

Time	Weather	Temperature
Afternoon	Cloudy	34
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
CBPS	2
CBPS	19
GLGR	56
PAKA	85
PGPS	51
SRDG	25
TJGS	218
<b>Total TNB</b>	<b>454</b>
KLPP	109
MPSS	57
PDPS	21
PGLA	113
PKLG	20
PLPS	100
PTEK	14
SGB3	93
SGRI	197
SKSP	39
YPGS	69
YPKA	68
PKLG	7
<b>Total IPP</b>	<b>907</b>
<b>Total Gas</b>	<b>1,361</b>
<b>Total Gas Required</b>	<b>1,361</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	12534	11869	11597	11278	10961	10877	11034	11244	11781	13589	14631	15196	15174	14961	15481	15753	15749	15237	14072	14142	14881	14636	14127	13689





### Daily MW Generation on Tuesday

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
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	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
PGAU	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
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	-1	21	22	-1	-1	-1	-1	-1	79	80	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	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	50	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	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	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
TMGR	HY04	33	32	34	40	40	42	43	43	42	40	43	43	42	40	48	40	38	38	39	40	38	40	42	36
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
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		306	202	207	222	220	247	288	264	265	262	259	265	267	344	341	301	276	291	302	616	872	978	1143	1177
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	CUFPG	53	53	53	54	53	54	53	53	53	54	53	51	53	55	53	53	52	54	53	52	52	51	51	52
PCUF	CUFK	36	37	37	39	38	38	38	37	37	37	38	38	38	38	38	39	37	36	35	32	32	32	33	32
Total Co-Gen		89	90	90	93	91	92	92	90	90	90	92	91	89	90	93	91	91	91	89	87	84	83	84	84
Total Gen		12581	12287	11921	11759	11561	11347	11242	11131	10925	10947	10822	11006	11031	11102	11200	11311	11714	12808	13569	14081	14600	14881	15189	15357
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
TIE-HVDC		-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-29
TIE-PLTG		77	73	81	-8	-7	6	-7	17	-8	10	-26	5	26	5	-15	-43	-38	-30	9	-4	-2	11	23	10
Interconnection		47	43	52	-38	-36	-24	-36	-12	-38	-19	-55	-23	-3	-23	-44	-72	-67	-59	-20	-33	-31	-18	-7	
System Total		12534	12214	11869	11797	11597	11371	11278	11143	10961	10966	10877	11029	11034	11125	11244	11383	11781	12867	13589	14114	14631	14899	15196	15377
SRrev ST-Coal		50	84	49	40	28	34	36	50	45	49	-33	-85	-108	34	17	-4	18	28	20	20	28	32	25	
SRrev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	46	80	82	
SRrev CCGT-Gas		453	280	554	530	761	1007	1147	1198	1412	1381	1549	1422	1420	1400	1319	1187	1458	942	375	159	182	204	196	
SRrev ST-Gas		0	0	0	0	20	10	7	7	7	7	0	0	0	0	0	-6	3	-12	16	11	7	39	24	
SRrev Co-Gen		-13	-14	-14	-17	-15	-16	-16	-14	-14	-14	-16	-15	-13	-14	-17	-15	-15	-15	-13	-11	-8	-7	-8	
Syncon		720	720	720	720	569	569	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
Hydro		115	119	114	99	101	225	223	95	95	98	101	95	93	167	170	210	84	107	95	107	260	305	387	
S.Reserve Total		1325	1189	1423	1372	1615	1829	1966	2056	2265	2241	2321	2137	2112	2156	2058	1947	2259	1785	1183	1009	1018	853	987	