

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,648 MW
Hydro	1,315 MW
Distillate	0 MW
Total TNB	6,033 MW
Total IPP	11,678 MW
Total Co-Gen	0 MW
Total System	17,711 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,775	15.38 %
Gas	37,972	12.23 %
Hydro	6,944	2.24 %
Total TNB	92,691	29.84 %
ST-Coal	113,591	36.57 %
Gas	102,359	32.96 %
Total IPP	215,950	69.53 %
Co-Gen	1,771	0.57 %
Total Co-Gen	1,771	0.57 %
Total Generation	310,412	99.94 %
PLTG	485	0.16 %
HVDC	-671	-0.22 %
Interconnection	-186	-0.06 %
Net Energy	310,598	100.00 %

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:	11:30:00 Hour
Total Set On Bus	14,957 MW
TNB Generation	3,865 MW
IPP Generation	10,068 MW
Spinning Reserve	956 MW
Maximum Demand	14,001 MW
Net Energy	310,598 MWH
Load Factor	92.43 %

Fuel Cost

Total Cost:	44,098,427.16 RM
Cost per Unit	14.53 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	348
Hydro	81
Syncon	486
Thermal	21
Total	936

Time Weather Temperature

Afternoon	Cloudy	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	59
PAKA	94
PGPS	27
SRDG	19
TJGS	95
Total TNB	296
KLPP	110
MPSS	58
PDPS	18
PGLA	92
PKLG	7
PLPS	106
PTEK	14
SGRI	142
SKSP	55
YPGS	71
YPKA	133
Total IPP	806
Total Gas	1,102
Total Gas Required	1,102

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13451	12874	12572	12117	11869	11616	11553	11345	11140	12356	13273	13801	13924	13569	13837	13718	13659	13309	12946	13134	13965	13882	13539	13165

Daily MW Generation on Saturday

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	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	31	37	34	35	78	74	41	38	32	35	43	47	78	33	34	32	33	36	35	34	34	37	37	34	30	37	32	31	32	37	29	39					
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	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			
Total Hydro		297	361	391	396	504	403	399	387	395	358	357	359	360	386	357	140	137	324	313	142	296	492	323	308	235	153	163	160	362	281	215	303	205	119	115	114	114	160	182	283	338	352	342	341	278	295	279	297	
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	
PCUF	CUFG	40	41	42	42	43	43	41	43	43	43	45	42	43	43	43	44	44	43	43	42	43	41	41	42	41	42	42	42	42	43	41	41	42	43	42	42	41	42	42	42	42	42	43	37	40	41	39	40	
PCUF	CUFK	32	33	33	34	34	32	34	36	34	36	34	33	36	35	35	35	36	36	33	33	31	27	30	27	29	27	29	27	28	29	30	31	31	30	29	30	30	29	30	29	33	33	35	33	35	33	33	33	
Total Co-Gen		72	74	75	76	76	75	77	77	79	77	78	78	78	78	80	80	76	76	73	70	71	68	71	68	71	69	70	71	73	72	72	72	72	72	73	71	72	71	72	71	76	70	75	74	72	73			
Total Gen		13480	13025	12863	12612	12542	12298	12106	11977	11857	11651	11596	11593	11570	11738	11357	11088	11189	11780	12364	12774	13244	13696	13788	14001	13886	13631	13583	13581	13806	13771	13738	13774	13652	13549	13376	13092	12924	12892	13098	13798	13980	13906	13840	13687	13514	13405	13175	13023	
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-28	-28	-30	-30	-29	-29	-30	-30	-28	-28	-28	-31	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30			
TIE-PLTG		58	20	18	39	-1	-39	18	11	16	3	9	15	46	135	42	19	79	-17	38	-3	0	70	16	28	-10	42	44	-56	-2	31	51	71	20	-1	96	20	7	-11	-7	1	45	-15	-15	59	4	-87	40	23	
Interconnection		29	-9	-11	10	-30	-67	-11	-18	-13	-26	-20	-14	17	105	12	-10	50	-45	9	-32	-29	40	-14	-1	-39	13	15	-85	-31	1	21	101	-8	-30	67	-11	-22	-39	-36	-29	15	-45	-42	30	-25	-116	10	-7	
System Total		13451	13034	12874	12602	12572	12366	12117	11995	11870	11677	11616	11607	11553	11633	11345	11098	11139	11825	12355	12806	13273	13656	13802	14002	13925	13618	13568	13636	13837	13770	13717	13673	13660	13879	13309	13103	12946	12931	13134	13827	13965	13951	13882	13657	13539	13521	13165	13030	
SRev ST-Coal		23	29	35	34	26	48	44	31	35	33	39	26	33	45	27	39	24	29	13	32	-7	-1	44	35	30	37	44	-46	6	33	59	56	70	73	74	55	43	31	31	34	27	25	45	33	10	19	51	53	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153	8	95	41	145	287	161	104	66	147	159	41	71	67	72	71	72	68	66	122	92	193	237	144	187	0	0	0		
SRev CCGT-Gas		120	361	278	306	182	202	396	526	630	823	869	888	905	751	1121	1161	1244	1206	773	410	320	309	240	181	127	248	458	632	568	496	318	276	234	154	193	278	458	550	369	140	160	148	145	173	159	46	118	123	
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
SRev Co-Gen		4	2	1	0	0	1	-1	-1	-1	-3	-1	-2	-2	-2	-2	-2	-4	-4	0	0	3	6	5	8	5	8	5	7	6	5	3	4	4	4	4	4	3	5	4	5	4	5	0	6	1	2	4	3	
Syncon		723	622	618	618	467	618	618	618	618	618	618	467	618	622	622	320	320	622	536	385	622	622	622	622	622	622	622	622	471	622	622	622	622	622	622	622	622	622	572	723	723	723	723	723	723	723	723		
Hydro		109	146	116	111	154	104	108	120	112	149	150	148	147	272	150	112	115	230	241	110	42	72	54	69	92	74	64	67	41	64	130	102	97	73	77	78	78	32	110	183	128	114	124	125	215	198	214	196	
S.Reserve Total		979	1160	1048	1069	829	973	1165	1294	1414	1620	1675	1678	1701	1533	1914	1932	2001	1781	1347	1174	1047	779	1060	956	1021	1276	1354	1386	1158	1367	1291	1101	1098	993	1042	1108	1276	1308	1152	1207	1134	1208	1274	1204	1295	988	1110	1098	