

Availability at Daily Maximum Demand Hour

ST-Coal	3,100 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,168 MW
Hydro	1,595 MW
Distillate	0 MW
Total TNB	7,863 MW
Total IPP	12,270 MW
Total Co-Gen	0 MW
Total System	20,133 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,832	20.44 %
Gas	26,756	8.06 %
Hydro	10,906	3.29 %
Total TNB	105,494	31.78 %
ST-Coal	107,087	32.26 %
ST-Gas	2,676	0.81 %
Gas	115,617	34.83 %
Total IPP	225,380	67.90 %
Co-Gen	1,160	0.35 %
Total Co-Gen	1,160	0.35 %
Total Generation	332,034	100.03 %
PLTG	678	0.20 %
HVDC	-582	-0.18 %
Interconnection	96	0.03 %
Net Energy	331,938	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:	16:30:00 Hour
Total Set On Bus	17,177 MW
TNB Generation	5,010 MW
IPP Generation	10,894 MW
Spinning Reserve	1,229 MW
Maximum Demand	15,995 MW
Net Energy	331,938 MWH
Load Factor	86.47 %

Fuel Cost

Total Cost:	45,770,246.52 RM
Cost per Unit	14.25 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	427
Hydro	293
Syncon	459
Thermal	121
Total	1,300

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	0
CBPS	7
GLGR	31
PGPS	40
SRDG	28
TJGS	105
Total TNB	212
KLPP	112
MPSS	39
PDPS	16
PGLA	111
PKLG	10
PLPS	96
PTEK	7
SGB3	92
SGRI	198
SKSP	36
YPGS	70
YPKA	125
PKLG	28
Total IPP	940
Total Gas	1,151
Total Gas Required	1,151

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	12866	12318	11842	11595	11217	10949	11079	11223	11901	13760	14693	15382	15419	15036	15568	15843	15981	15660	14478	14131	15321	15229	14928	14484

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
SIHY	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	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	28	30	34	28	30	28	28	27	27	22	24	27	27	30	26	27	31	33	37	36	33	48	48	48
TMGR	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
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	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		268	220	224	225	218	205	207	192	223	181	166	213	188	204	173	223	222	288	299	337	508	756	860	1186
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	CUFK	10	11	10	10	10	10	12	11	11	11	10	11	10	11	9	12	10	10	8	10	9	10	10	8
PCUF	CUFK	39	40	40	41	42	39	41	41	40	42	42	40	40	41	40	40	40	40	40	39	39	37	37	38
Total Co-Gen		49	51	50	51	52	49	53	52	51	53	52	53	50	51	52	49	52	51	50	48	50	49	49	49
Total Gen		12971	12670	12378	12124	11834	11720	11586	11338	11237	11104	10951	11136	11099	11441	11219	11389	11875	12897	13780	14255	14721	15127	15362	15610
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		30	31	31	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		75	42	30	22	21	45	21	4	49	19	31	8	49	67	25	25	3	-11	49	-10	57	63	9	-33
Interconnection		105	73	60	-8	-8	15	-9	-24	20	-10	2	-21	20	38	-4	-4	-26	-41	20	-39	28	34	-20	-62
Svstom Total		12866	12597	12318	12132	11842	11795	11595	11362	11217	11114	10949	11157	11079	11403	11223	11393	11901	12938	13760	14294	14693	15093	15382	15672
SRev ST-Coal		42	27	37	55	52	97	85	81	89	89	47	28	66	31	51	49	40	32	9	110	225	273	220	225
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	64	65	181
SRev CCGT-Gas		602	516	454	694	966	953	1118	1355	1523	1622	1801	1687	1655	1364	1537	1519	1534	1060	687	505	225	286	264	276
SRev ST-Gas		-9	-7	-9	-11	-8	-8	-7	-7	-7	-7	-11	-8	-7	-8	-8	-8	-7	-8	0	0	0	0	0	0
SRev Co-Gen		27	25	26	25	24	27	23	24	25	23	24	23	26	25	24	27	24	25	26	28	26	27	27	27
Syncon		719	719	719	568	719	719	719	719	568	719	719	719	719	725	574	725	725	725	725	322	151	151	151	151
Hydro		136	84	80	230	86	99	97	112	181	274	138	91	116	100	131	232	82	116	110	72	509	557	578	252
S.Reserve Total		1522	1369	1312	1566	1844	1892	2040	2289	2535	2574	2727	2542	2579	2237	2465	2398	2402	1956	1549	1440	1429	1358	1305	1112