

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,080 MW
Hydro	1,836 MW
Distillate	0 MW
Total TNB	8,306 MW
Total IPP	9,422 MW
Total Co-Gen	0 MW
Total System	18,292 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	62,922	20.80 %
Gas	46,003	15.21 %
Hydro	14,680	4.85 %
Total TNB	123,605	40.86 %
ST-Coal	78,957	26.10 %
Gas	98,935	32.70 %
Total IPP	177,892	58.80 %
Co-Gen	1,469	0.49 %
Total Co-Gen	1,469	0.49 %
Total Generation	302,966	100.14 %
PLTG	-291	-0.10 %
HVDC	726	0.24 %
Interconnection	435	0.14 %
Net Energy	302,531	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:	21:30:00 Hour
Total Set On Bus	15,512 MW
TNB Generation	6,137 MW
IPP Generation	8,229 MW
Spinning Reserve	1,089 MW
Maximum Demand	14,385 MW
Net Energy	302,531 MWH
Load Factor	87.63 %

Fuel Cost

Total Cost:	41,318,531.03 RM
Cost per Unit	14.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	572
Hydro	306
Syncon	326
Thermal	58
Total	1,262

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	20
GLGR	36
PAKA	51
PGPS	54
SRDG	28
TJGS	164
Total TNB	352

KLPP	116
MPSS	51
PDPS	3
PGLA	118
PKLG	10
PLPS	99
PTEK	5
SGB3	58
SGRI	97
SKSP	51
YPGS	61
YPKA	92
Total IPP	762

Total Gas 1,114
Total Gas Required 1,114
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	13489	12970	12439	12027	11827	11775	11500	10925	10504	11122	11829	12348	12555	12577	12931	13044	13071	12880	12683	12904	13898	14334	14291	14156

Daily MW Generation on Sunday

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
SYPS	HY01	25	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	25	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	57	62	59	62	56	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	59	64	61	62	59	64	61	35	37	42	37	36	34	37	30	34	35	32	32	33	37	85	88	87
TMGR	HY03	59	63	60	59	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	58	62	59	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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		882	883	866	686	641	554	446	395	322	328	323	189	183	221	167	175	191	162	164	161	203	447	541	682
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	CUFG	36	36	37	36	36	37	36	37	37	37	36	36	37	37	35	34	32	33	33	34	35	35	34	35
PCUF	CUFK	29	30	30	30	30	29	30	30	27	28	32	30	28	28	27	28	28	27	26	26	27	24	25	26
Total Co-Gen		65	66	67	66	66	67	65	66	67	64	65	68	66	64	65	65	65	63	63	63	62	58	57	59
Total Gen		13542	13229	13001	12796	12451	12190	12007	11867	11809	11895	11790	11576	11500	11399	11049	10602	10338	11005	11150	11557	11838	12218	12361	12584
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	30	30	30	30	30	31	31	30	30	30	31	31	30	30	30	30	30	30	30	31	31
TIE-PLTG		23	-28	0	-26	-18	-51	-50	-16	-48	-48	-16	-65	-30	-42	93	30	4	-5	-2	-6	-22	-21	-17	-31
Interconnection		53	3	31	4	12	-20	-20	14	-18	-18	15	-35	0	-11	124	60	34	26	28	24	9	9	13	-1
System Total		13489	13226	12970	12792	12439	12210	12027	11853	11827	11913	11775	11611	11500	11410	10925	10642	10504	10979	11122	11533	11829	12209	12348	12585
SRev ST-Coal		92	71	77	75	132	129	138	186	182	169	187	113	123	157	130	125	126	120	125	127	102	65	92	105
SRev OCGT-Gas		97	53	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		450	414	444	470	509	446	548	386	380	315	393	496	554	747	1071	1530	1610	1120	972	698	552	403	457	472
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
SRev Co-Gen		-21	-22	-23	-22	-22	-23	-21	-22	-23	-20	-21	-24	-22	-20	-21	-20	-21	-21	-19	-19	-19	-18	-14	-13
Syncon		302	302	151	539	539	625	726	726	575	726	575	827	827	827	827	827	827	827	827	424	424	424	424	424
Hydro		419	368	536	227	272	188	68	96	220	63	219	101	107	69	123	115	250	128	126	119	77	311	292	201
S.Reserve Total		1339	1186	1185	1289	1430	1365	1259	1372	1334	1253	1353	1513	1589	1780	2130	2577	2641	2174	2029	1752	1539	1184	1247	1188