

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,980 MW
Hydro	1,838 MW
Distillate	0 MW
Total TNB	8,898 MW
Total IPP	10,068 MW
Total Co-Gen	0 MW
Total System	18,966 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,856	20.73 %
Gas	72,140	21.72 %
Hydro	14,337	4.32 %
Total TNB	155,333	46.77 %
ST-Coal	91,852	27.66 %
ST-Gas	10	0.00 %
Gas	83,917	25.27 %
Total IPP	175,779	52.92 %
Co-Gen	1,304	0.39 %
Total Co-Gen	1,304	0.39 %
Total Generation	332,416	100.09 %
PLTG	-445	-0.13 %
HVDC	728	0.22 %
Interconnection	283	0.09 %
Net Energy	332,133	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:	16:00:00 Hour
Total Set On Bus	16,923 MW
TNB Generation	7,530 MW
IPP Generation	8,298 MW
Spinning Reserve	1,041 MW
Maximum Demand	15,877 MW
Net Energy	332,133 MWH
Load Factor	87.16 %

Fuel Cost

Total Cost:	41,763,711.61 RM
Cost per Unit	13.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	314
Hydro	344
Syncon	455
Thermal	67
Total	1,180

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	4
CBPS	47
GLGR	53
PAKA	189
PGPS	42
SRDG	14
TJGS	208
Total TNB	556

KLPP	36
MPSS	51
PDPS	8
PGLA	111
PKLG	10
PLPS	91
PTEK	5
SGB3	79
SGRI	167
YPKA	102
PKLG	0
Total IPP	662
Total Gas	1,218

Total Gas Required 1,218

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	13122	12434	12140	11805	11530	11443	11584	11576	12029	13685	14551	15290	15337	14783	15063	15718	15877	15482	14536	14367	15259	15003	14592	14192

Daily MW Generation on Friday

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
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	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	-1	-1	-1	-1	19	21	-1	-1	-1	-1	-1	-1	-1	-1	17	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	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	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	
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	
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	
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	
TMGR	HY01	0	0	0	0	0	0	79	34	31	31	38	37	36	28	32	29	25	29	29	58	60	59	57	
TMGR	HY02	39	34	36	36	35	32	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY03	38	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	33	31	58	57	57	30	33	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	36	35	57	58	58	57	32	-1	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		553	410	372	382	296	257	205	170	245	173	169	168	207	215	215	175	217	336	450	510	566	948	982	
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	
PCUF	CUFK	35	36	35	35	35	35	35	35	36	35	37	36	36	36	36	35	35	34	33	32	33	33	31	
PCUF	CUFK	24	22	22	21	21	23	23	23	22	25	22	22	23	21	22	23	23	22	23	20	20	19	21	
Total Co-Gen		59	58	57	56	56	58	58	57	60	58	57	60	57	58	59	59	57	58	54	53	52	52	50	
Total Gen		1312	1287	1243	1232	1210	1198	1180	1160	1143	1143	1139	1158	1171	1157	1154	1202	1301	1368	1422	1451	1504	1529	1541	
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	
TIE-HVDC		31	31	30	30	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	29	29	30	30	
TIE-PLTG		-17	-76	30	-68	-37	-28	-40	4	-6	15	-10	17	-68	-51	18	25	-69	-49	21	-19	-33	-39	-23	
Interconnection		14	-45	60	-38	-6	3	-9	34	24	45	20	47	-38	-21	49	56	-38	-18	52	12	-2	-8	8	
System Total		1312	1287	1243	1232	1210	1198	1180	1160	1143	1143	1139	1158	1171	1157	1154	1202	1301	1368	1422	1451	1504	1529	1541	
SRev ST-Coal		1	-7	27	26	50	33	10	7	29	43	42	50	29	-9	36	53	33	58	42	28	31	34	29	
SRev OCGT-Gas		0	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		585	752	836	1046	1096	1224	1385	1510	1647	1641	1650	1663	1620	1509	1540	1509	1180	888	720	508	294	305	192	
SRev ST-Gas		29	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		-15	-14	-13	-12	-12	-14	-14	-13	-16	-14	-13	-16	-13	-14	-15	-15	-13	-14	-10	-9	-8	-9	-8	
Syncon		539	625	625	625	726	525	575	827	827	827	827	827	676	676	676	827	827	726	554	554	453	453	453	
Hydro		144	101	139	129	114	354	256	139	149	136	140	141	253	245	245	134	92	174	380	383	428	246	362	
S.Reserve Total		1283	1457	1614	1814	1974	2122	2212	2469	2639	2631	2645	2668	2562	2408	2483	2508	2117	1833	1682	1463	1197	1029	1021	