

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,193 MW
Hydro	1,842 MW
Distillate	0 MW
Total TNB	8,425 MW
Total IPP	10,501 MW
Total Co-Gen	44 MW
Total System	18,970 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	52,659	15.64 %
Gas	72,972	21.67 %
Hydro	16,385	4.87 %
Total TNB	142,016	42.17 %
ST-Coal	89,760	26.65 %
ST-Gas	1,738	0.52 %
ST-Oil	3,731	1.11 %
Gas	99,304	29.49 %
Total IPP	194,533	57.76 %
Co-Gen	610	0.18 %
Total Co-Gen	610	0.18 %
Total Generation	337,159	100.11 %
PLTG	-345	-0.10 %
HVDC	728	0.22 %
Interconnection	383	0.11 %
Net Energy	336,776	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	17,178 MW
TNB Generation	7,030 MW
IPP Generation	8,969 MW
Spinning Reserve	1,153 MW
Maximum Demand	16,051 MW
Net Energy	336,776 MWH
Load Factor	87.42 %

Fuel Cost

Total Cost:	52,684,168.76 RM
Cost per Unit	16.42 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	421
Hydro	239
Syncon	473
Thermal	86
Total	1,219

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	4
CBPS	45
GLGR	55
PAKA	177
PGPS	43
SRDG	22
TJGS	218
Total TNB	562

KLPP	75
MPSS	51
PDPS	2
PGLA	93
PKLG	4
PLPS	102
SGB3	82
SGRI	166
YPGS	69
YPKA	135
PKLG	17
Total IPP	796

Total Gas	1,358
Total Gas Required	1,395

Alternate Fuel Usage

Station	(mmscfd)
PKLG	37
Total	37

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	13722	13074	12562	12131	11845	11636	11842	11850	12186	13831	14794	15434	15484	15084	15310	15923	16051	15630	14568	14206	15207	15052	14564	14356

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
LPIA	HY01	7	8	8	8	9	9	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	7	7	5	5	3
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	18	22	22	21	21	21	21	21	21
PGAU	HY02	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	22	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	21	-1	-1	-1
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50
SIHY	HY02	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	0	0	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	0	0	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	0	0	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	0	0	25	25
TMGR	HY01	76	81	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	61	60	62	78	76	75	40	42	57
TMGR	HY02	61	69	35	35	35	35	37	33	36	32	30	29	37	33	32	31	36	38	36	31	60	60	62	77
TMGR	HY03	62	68	34	0	0	0	0	0	0	0	0	0	0	0	30	59	61	61	78	78	76	39	41	58
TMGR	HY04	73	77	37	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	59	59	60	74	74	73	41	43	57
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	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	2
Total Hydro		884	816	683	554	442	371	389	343	355	340	337	333	405	359	325	306	323	437	484	607	716	1017	1068	1135
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	0	0	0	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2
PCUF	CUFK	27	26	27	27	25	27	27	27	28	29	29	28	28	29	30	28	26	24	25	25	21	20	20	21
Total Co-Gen		27	26	27	28	26	28	28	27	28	29	30	29	28	28	30	28	26	24	25	21	20	20	21	21
Total Gen		13777	13214	13063	12737	12556	12363	12135	11983	11847	11802	11741	11805	11796	12155	11967	11855	12222	13196	13836	14386	14838	15182	15467	15626
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	30	29	29	31	31	30	30	30	31	31	30	30	31	31	31	31	31	31	30	29	29	31	31
TIE-PLTG		25	-79	-40	27	-36	4	-25	0	-28	3	74	-17	-77	23	87	-5	5	-11	-25	27	13	-14	2	
Interconnection		55	-49	-11	56	-6	35	4	30	2	33	105	14	-46	53	117	25	36	20	5	57	44	16	33	
System Total		13722	13263	13074	12681	12562	12328	12131	11953	11845	11769	11636	11791	11842	12102	11850	11830	12186	13176	13831	14329	14794	15166	15434	15620
SRev ST-Coal		105	60	72	87	74	77	72	71	85	82	103	78	55	65	81	64	119	102	77	59	65	76	90	86
SRev ST-Oil		-3	-3	-3	59	69	64	37	37	37	37	37	37	37	41	5	1	2	2	1	1	2	2	1	2
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	0
SRev CCGT-Gas		647	1022	522	634	579	611	792	897	1032	1066	1104	1060	1163	748	888	1084	1275	1083	836	704	355	298	187	255
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		17	18	17	16	18	16	16	17	16	15	14	15	16	16	14	14	16	18	20	19	19	23	24	23
Syncon		453	453	302	625	474	474	625	625	625	625	625	625	625	625	453	453	453	453	453	453	453	453	453	453
Hydro		111	79	363	84	221	292	274	169	157	172	175	179	167	153	338	206	189	175	176	461	201	328	277	210
S.Reserve Total		1330	1629	1273	1505	1435	1534	1665	1816	1952	1997	2058	1994	2003	1644	1832	2030	2265	2088	1735	1547	1095	1179	1067	1031