

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,080 MW
Hydro	1,864 MW
Distillate	0 MW
Total TNB	9,024 MW
Total IPP	9,667 MW
Total Co-Gen	0 MW
Total System	19,255 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	63,095	18.22 %
Gas	67,581	19.52 %
Hydro	17,938	5.18 %
Total TNB	148,614	42.92 %
ST-Coal	79,359	22.92 %
Gas	115,974	33.49 %
Total IPP	195,333	56.41 %
Co-Gen	1,357	0.39 %
Total Co-Gen	1,357	0.39 %
Total Generation	345,304	99.73 %
PLTG	-336	-0.10 %
HVDC	-609	-0.18 %
Interconnection	-945	-0.27 %
Net Energy	346,249	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	17,775 MW
TNB Generation	7,729 MW
IPP Generation	8,917 MW
Spinning Reserve	1,076 MW
Maximum Demand	16,752 MW
Net Energy	346,249 MWH
Load Factor	86.12 %

Fuel Cost

Total Cost:	59,817,575.80 RM
Cost per Unit	18.26 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	490
Hydro	320
Syncon	266
Thermal	42
Total	1,118

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	9
CBPS	59
GLGR	55
PAKA	139
PGGS	7
PGPS	45
SRDG	75
TJGS	166
Total TNB	554

KLPP	116
MPSS	65
PDPS	28
PGLA	119
PKLG	14
PLPS	108
PTEK	46
SGB3	99
SGRI	104
SKSP	56
YPGS	68
YPKA	100
Total IPP	923
Total Gas	1,478

Total Gas Required 1,478

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	13487	12694	12402	12137	11813	11930	11789	11585	12454	14466	15483	16056	15957	15721	16325	16651	16752	16163	15142	14732	15531	15814	15519	15229

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
KNRG	HY01	36	36	36	36	38	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY02	37	37	37	0	0	0	0	0	0	0	0	0	0	8	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	36	36	37	36	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	98	98	99	65	-1	-1	-1	-1	-1	-1	-1	-1	-1	68	99	98	98	98	98	98	89	91	64	87
KNYR	HY02	98	99	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	67	101	101	101	101	101	101	101	101	101	101
KNYR	HY03	99	99	0	0	0	0	0	0	0	0	0	0	0	100	99	99	100	100	100	100	100	100	100	100
KNYR	HY04	98	99	99	90	67	60	101	101	61	98	60	65	60	76	63	67	74	99	99	98	98	98	98	98
LPIA	HY01	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	20	20	0	0	0	0	0	0	0	0	0	0	0	21	21	20	112	112	113	21	21	21	21	21
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	21	21	21	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	82	82	82	82	22	-1	-1	-1	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	31	30	30	0	0	0	50	50	49	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0	51	50	49	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	0	0	0	0	49	49	33	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	0	0	0	15	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	0	0	0	0	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	0	0	0	0	25	25	25	25	25
TMGR	HY01	80	80	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	85	84	84	84	84	83	83	62	81	81
TMGR	HY02	82	82	34	42	36	32	43	40	35	39	33	34	36	38	38	40	42	65	88	88	88	87	88	86
TMGR	HY03	82	35	0	0	0	0	0	0	0	0	0	0	0	67	86	86	81	74	78	75	77	75	74	60
TMGR	HY04	79	43	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	81	81	81	81	81	81	81
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		1001	920	564	383	254	242	295	252	207	270	225	209	180	199	185	192	219	645	1007	986	1239	1277	1379	1277
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	32	33	33	34	34	32	34	34	35	34	35	34	35	35	35	35	34	35	34	35	33	33	33	33
PCUF	CUFK	24	24	25	23	24	24	23	24	24	25	24	26	25	24	24	26	23	24	23	22	24	20	20	19
Total Co-Gen		56	57	58	57	58	56	58	57	59	58	60	58	59	60	59	61	60	59	58	58	56	55	57	53
Total Gen		13548	13163	12651	12573	12302	12120	12035	11837	11743	11897	11830	11704	11697	11767	11570	11718	12377	13726	14402	14978	15412	15755	16014	16138
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		30	-58	-74	-24	-70	-9	-73	-84	-40	-44	-70	-52	-63	-62	14	-1	-48	-18	-35	-2	-42	11	-12	33
Interconnection		61	-27	-43	-53	-100	-39	-102	-113	-70	-73	-100	-81	-92	-91	-15	-30	-77	-47	-64	-31	-71	-19	-42	3
System Total		13487	13190	12694	12626	12402	12159	12137	11950	11813	11970	11930	11785	11789	11858	11585	11748	12454	13773	14466	15009	15483	15774	16056	16132
SRev ST-Coal		43	76	79	79	110	114	40	85	104	90	109	110	110	103	88	75	73	28	19	38	26	33	43	37
SRev OCGT-Gas		109	0	0	0	0	0	0	0	0	0	0	0	0	1	58	67	74	37	40	52	50	50	48	171
SRev CCGT-Gas		424	493	584	300	324	535	782	911	943	951	956	1095	1074	1031	1318	1209	1179	565	355	420	408	475	520	503
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		-12	-13	-14	-13	-14	-12	-14	-13	-15	-14	-16	-14	-15	-16	-16	-15	-17	-16	-15	-14	-15	-16	-13	-14
Syncon		302	302	388	726	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		328	409	344	121	110	122	69	66	111	199	244	109	138	119	133	126	250	335	295	165	214	251	299	401
S.Reserve Total		1194	1267	1381	1213	1357	1586	1704	1876	1970	1902	1969	2127	2134	2064	2350	2222	2161	1452	1014	1129	858	931	1040	1130