

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,394 MW
Hydro	1,671 MW
Distillate	0 MW
Total TNB	8,145 MW
Total IPP	10,638 MW
Total Co-Gen	0 MW
Total System	18,783 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	64,230	20.42 %
Gas	50,970	16.21 %
Hydro	10,378	3.30 %
Total TNB	125,578	39.93 %
ST-Coal	77,374	24.60 %
ST-Gas	8,166	2.60 %
Gas	102,685	32.65 %
Total IPP	188,225	59.85 %
Co-Gen	1,332	0.42 %
Total Co-Gen	1,332	0.42 %
Total Generation	315,135	100.20 %
PLTG	-50	-0.02 %
HVDC	679	0.22 %
Interconnection	629	0.20 %
Net Energy	314,506	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:	14:30:00 Hour
Total Set On Bus	17,636 MW
TNB Generation	6,692 MW
IPP Generation	9,785 MW
Spinning Reserve	1,099 MW
Maximum Demand	16,520 MW
Net Energy	314,506 MWH
Load Factor	79.32 %

Fuel Cost

Total Cost:	53,029,364.79 RM
Cost per Unit	17.40 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	348
Hydro	310
Syncon	358
Thermal	35
Total	1,051

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	10
CBPS	44
GLGR	18
PAKA	147
PGPS	38
SRDG	55
TJGS	99
Total TNB	412
KLPP	97
MPSS	54
PDPS	18
PGLA	103
PKLG	12
PLPS	94
PTEK	14
SGB3	54
SGRI	185
SKSP	30
YPGS	61
YPKA	76
PKLG	78
Total IPP	878
Total Gas	1,290
Total Gas Required	1,290

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	13700	12984	12670	12210	11943	11740	12040	11978	12570	14517	15324	16153	16162	15741	16175	16398	0	0	14914	14840	15905	15647	15018	14746

Daily MW Generation on Wednesday

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	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
KNYR	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
KNYR	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
KNYR	HY04	59	73	68	102	102	62	61	99	60	58	60	73	84	74	56	59	56	80	86	88	87	100	100	100
LPIA	HY02	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	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
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	21	21	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	20	-1	-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	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-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	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	0
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	29	32	32	35	35	31	32	33	32	32	31	35	36	35	29	30	30	38	36	29	29	86	87	85
TMGR	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
TMGR	HY04	31	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	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
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		200	220	180	242	264	175	214	173	195	172	191	204	191	165	192	186	223	392	570	645	823	894	891	869
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	51	51	50	50	50	50	51	50	51	50	51	50	51	50	51	51	49	50	51	50	51	50	50	47
PCUF	CUFK	10	10	8	10	10	10	10	11	10	9	11	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Co-Gen		61	61	58	60	60	60	62	60	60	59	59	62	63	61	62	61	62	62	60	60	61	60	58	60
Total Gen		13704	13469	13092	12972	12674	12520	12259	12185	11967	11947	11809	11840	12040	12296	12050	11884	12685	13530	14492	14996	15359	15862	16198	16359
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	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	29	29	29
TIE-PLTG		-26	-53	78	-32	-26	-4	19	-7	-6	-12	39	-10	-30	20	42	-6	84	-21	-55	-7	4	8	13	67
Interconnection		4	-23	108	-2	4	26	49	23	24	18	69	20	0	50	72	24	115	10	-25	23	35	39	45	
System Total		13700	13492	12984	12974	12670	12494	12210	12162	11943	11929	11740	11820	12040	12246	11978	11860	12570	13520	14517	14973	15324	15823	16153	16261
SRev ST-Coal		46	26	20	15	17	15	-3	0	-5	-9	6	-17	9	27	30	22	145	46	5	58	25	37	26	32
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156	62	115	131	48	53	150	163
SRev CCGT-Gas		444	428	360	439	365	432	661	729	909	955	1054	1065	895	609	824	1498	1288	941	392	426	400	227	231	290
SRev ST-Gas		41	38	37	0	0	0	0	0	0	0	0	0	0	0	0	0	40	47	35	28	31	34	35	41
SRev Co-Gen		15	15	18	16	16	16	16	14	16	17	17	14	13	15	14	15	14	14	16	16	15	16	18	16
Syncon		640	640	727	576	425	727	727	727	727	576	727	727	727	576	727	727	727	626	475	388	388	388	388	388
Hydro		186	166	119	208	337	124	124	85	126	255	127	108	95	108	134	258	263	226	258	231	368	290	343	346
S.Reserve Total		1472	1413	1381	1354	1260	1414	1625	1655	1873	1893	2031	2000	1840	1484	1730	2368	2478	2001	1330	1390	1290	1106	1170	1163