

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,742 MW
Hydro	1,840 MW
Distillate	0 MW
Total TNB	8,662 MW
Total IPP	9,344 MW
Total Co-Gen	0 MW
Total System	18,006 MW

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	16,446 MW
TNB Generation	7,289 MW
IPP Generation	7,939 MW
Spinning Reserve	1,162 MW
Maximum Demand	15,247 MW
Net Energy	324,691 MWH
Load Factor	88.73 %

Gas Usage

Station	(mmscfd)
CBPS	8
CBPS	57
GLGR	57
PAKA	147
PGGS	2
PGPS	42
SRDG	17
TJGS	217
Total TNB	548

Alternate Fuel Usage

Station	(mmscfd)
SKSP	4
Total	4

Generation Mix

Type	MWh	Percentage
ST-Coal	68,792	21.19 %
Gas	70,460	21.70 %
Hydro	14,869	4.58 %
Total TNB	154,121	47.47 %
ST-Coal	74,668	23.00 %
ST-Gas	11,062	3.41 %
Gas	83,895	25.84 %
Distillate	465	0.14 %
Total IPP	170,090	52.39 %
Co-Gen	1,500	0.46 %
Total Co-Gen	1,500	0.46 %
Total Generation	325,711	100.31 %
PLTG	294	0.09 %
HVDC	726	0.22 %
Interconnection	1,020	0.31 %
Net Energy	324,691	100.00 %

Fuel Cost

Total Cost:	48,466,599.56 RM
Cost per Unit	15.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	416
Hydro	329
Syncon	490
Thermal	95
Total	1,330

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

KLPP	3
MPSS	52
PDPS	21
PGLA	112
PKLG	17
PLPS	100
PTEK	16
SGB3	89
SGRI	175
SKSP	22
YPKA	66
PKLG	109
Total IPP	784
Total Gas	1,331

Total Gas Required **1,335**

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	13255	12714	12258	11896	11568	11418	11533	11416	11981	13752	14419	14975	14998	14682	15112	15171	15076	14760	13683	13668	14555	14192	13633	13366

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
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	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	-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	22	20	-1	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	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	-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	HY02	35	36	39	39	35	37	35	33	32	32	26	35	34	38	38	38	33	33	31	35	36	35	60	83
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		565	593	527	407	196	224	214	185	206	183	176	213	236	228	235	293	267	479	568	499	583	771	1160	1233
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	38	39	40	40	39	42	40	42	41	41	40	40	41	40	41	41	39	40	40	38	38	37	37	37
PCUF	CUFK	27	28	27	27	28	26	27	28	27	28	27	25	25	26	24	27	25	25	25	24	24	21	22	21
Total Co-Gen		65	67	67	67	68	67	70	68	69	67	65	66	66	65	69	68	65	67	66	65	63	61	62	59
Total Gen		13268	13011	12754	12524	12302	12186	11905	11778	11651	11576	11507	11601	11506	11610	11442	11670	11954	12993	13804	14115	14433	14819	15011	15290
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	31	31	31	31	30	30	30	30	31	31	31	31	31	31	31	30	30	30	30	30	30
TIE-PLTG		-17	25	10	-12	13	-16	-21	-40	53	0	59	-8	-57	-48	-5	7	-57	6	22	14	-16	-18	5	
Interconnection		13	55	40	19	44	15	9	-10	83	31	89	22	-27	-17	26	37	-27	37	52	44	14	13	36	
System Total		13255	12956	12714	12505	12258	12171	11896	11788	11568	11545	11418	11579	11533	11627	11416	11633	11981	12956	13752	14071	14419	14806	14975	15210
SRev ST-Coal		64	-1	88	90	74	24	50	58	62	58	74	17	21	14	22	35	24	36	-30	39	22	23	39	173
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197	197	260	198	204	285	230
SRev CCGT-Gas		442	467	359	446	497	588	786	864	1007	1053	1288	1286	1401	1296	1312	1275	1445	1004	420	250	174	143	300	105
SRev ST-Gas		3	5	5	4	43	80	76	74	74	75	75	75	75	78	42	16	6	4	4	5	4	4	6	4
SRev 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
SRev Co-Gen		-21	-23	-23	-23	-23	-24	-23	-26	-24	-25	-23	-21	-22	-22	-21	-25	-24	-21	-23	-22	-21	-19	-17	-18
Syncon		625	625	474	575	726	726	726	726	575	726	726	726	575	726	726	726	726	625	474	625	625	625	453	453
Hydro		147	119	236	255	115	87	97	126	256	128	135	98	226	83	76	118	144	233	295	213	236	434	292	219
S.Reserve Total		1495	1427	1374	1582	1667	1716	1947	2057	2185	2250	2510	2416	2511	2407	2425	2442	2592	2128	1574	1541	1535	1409	1276	1221