

Availability at Daily Maximum Demand Hour

ST-Coal	3,000 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,092 MW
Hydro	1,729 MW
Distillate	0 MW
Total TNB	8,821 MW
Total IPP	9,297 MW
Total Co-Gen	0 MW
Total System	18,682 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,849	20.21 %
Gas	69,524	20.71 %
Hydro	14,205	4.23 %
Total TNB	151,578	45.15 %
ST-Coal	89,283	26.59 %
Gas	94,000	28.00 %
Total IPP	183,283	54.59 %
Co-Gen	869	0.26 %
Total Co-Gen	869	0.26 %
Total Generation	335,730	100.00 %
PLTG	-728	-0.22 %
HVDC	729	0.22 %
Interconnection	1	0.00 %
Net Energy	335,729	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:	15:30:00 Hour
Total Set On Bus	17,111 MW
TNB Generation	7,299 MW
IPP Generation	8,575 MW
Spinning Reserve	1,208 MW
Maximum Demand	15,926 MW
Net Energy	335,729 MWH
Load Factor	87.84 %

Fuel Cost

Total Cost:	53,814,957.06 RM
Cost per Unit	16.73 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	372
Hydro	413
Syncon	336
Thermal	167
Total	1,288

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	8
CBPS	59
GLGR	55
PAKA	181
PGPS	42
SRDG	58
TJGS	164
Total TNB	566
KLPP	103
MPSS	60
PDPS	17
PGLA	57
PKLG	12
PLPS	99
PTEK	12
SGB3	91
SGRI	95
YPGS	70
YPKA	137
Total IPP	754
Total Gas	1,320
Total Gas Required	1,320

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	13515	12694	12299	11804	11556	11518	11798	11800	12298	14000	14900	15465	15428	15110	15675	15873	15903	15516	14406	14192	15209	15038	14670	14395

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
LPJA	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	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	21	21	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	-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	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	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	35	40	-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	32	29	33	34	64	35	41	47	50	53	82	83	75	32	60	67	34	36	80	51	53	70	61
TMGR	HY03	26	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	31	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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		690	706	442	273	225	221	203	134	140	145	209	239	248	337	294	217	229	307	559	795	695	796	886	878
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	7	7	6	7	6	6	5	5	6	5	6	5	6	5	5	5	5	4	4	5	4	3	1	8
PCUF	CUFK	30	29	30	30	31	30	29	30	28	28	27	28	29	29	28	29	28	28	28	28	28	27	27	26
Total Co-Gen		37	36	36	37	37	36	35	35	33	34	32	34	34	35	34	35	33	33	33	33	32	32	31	29
Total Gen		13511	13041	12681	12551	12250	12199	11852	11765	11607	11548	11518	11666	11723	11995	11919	11780	12299	13229	13990	14430	14904	15294	15464	15648
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	31	31	30	31	31	30	30	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31
TIE-PLTG		-35	-33	-43	-59	-49	-51	17	-12	21	-16	-31	-32	-105	80	89	-30	-30	12	-41	-33	-26	-12	-32	-75
Interconnection		-4	-3	-13	-28	-19	-21	48	19	51	14	0	-1	-75	110	119	0	1	42	-10	-2	4	19	-1	
System Total		13515	13044	12694	12579	12299	12220	11804	11746	11556	11534	11518	11667	11798	11885	11800	11780	12298	13187	14000	14432	14900	15275	15465	15692
SRev ST-Coal		65	57	78	90	86	76	85	82	84	74	82	62	22	112	101	63	72	123	205	199	149	179	159	152
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		549	575	650	600	827	913	1232	1253	1413	1488	1572	1476	1468	1196	1239	1341	1106	627	381	301	145	216	221	216
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		7	8	8	7	7	8	9	9	11	10	10	9	10	8	10	7	8	8	10	9	11	12	11	11
Syncon		453	453	539	625	625	625	323	726	726	726	726	726	575	575	726	726	575	625	302	302	302	302	302	302
Hydro		407	391	195	93	91	95	415	81	75	70	106	76	67	129	172	98	86	259	316	403	503	544	504	512
S.Reserve Total		1481	1484	1555	1500	1636	1717	2064	2151	2309	2368	2498	2350	2295	2021	2097	2236	2000	1591	1535	1213	1096	1357	1327	1305