

Availability at Daily Maximum Demand Hour

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,925 MW
Hydro	1,682 MW
Distillate	0 MW
Total TNB	7,637 MW
Total IPP	10,574 MW
Total Co-Gen	0 MW
Total System	18,211 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,481	15.34 %
Gas	61,362	19.41 %
Hydro	11,853	3.75 %
Total TNB	121,696	38.50 %
ST-Coal	92,785	29.35 %
ST-Gas	485	0.15 %
Gas	100,336	31.74 %
Total IPP	193,606	61.24 %
Co-Gen	1,331	0.42 %
Total Co-Gen	1,331	0.42 %
Total Generation	316,633	100.16 %
PLTG	-220	-0.07 %
HVDC	729	0.23 %
Interconnection	509	0.16 %
Net Energy	316,124	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:	20:00:00 Hour
Total Set On Bus	15,491 MW
TNB Generation	5,765 MW
IPP Generation	8,656 MW
Spinning Reserve	1,017 MW
Maximum Demand	14,423 MW
Net Energy	316,124 MWH
Load Factor	91.32 %

Fuel Cost

Total Cost:	48,727,813.34 RM
Cost per Unit	15.90 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	349
Hydro	128
Syncon	413
Thermal	32
Total	922

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

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	13593	13089	12538	12041	11667	11499	11595	11416	11147	12439	13336	14055	14086	13792	14092	14270	14139	13886	13396	13329	14423	14321	14056	13679

Gas Usage

Station	(mmscfd)
CBPS	6
CBPS	57
GLGR	56
PAKA	98
PGPS	11
SRDG	27
TJGS	215
Total TNB	470
KLPP	104
MPSS	38
PDPS	2
PGLA	112
PKLG	4
PLPS	93
SGRI	166
SKSP	52
YPGS	70
YPKA	137
PKLG	5
Total IPP	783
Total Gas	1,252
Total Gas Required	1,252

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Saturday

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
PGAU	HY04	-1	-1	22	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	81	29	31	29	51	31	33	31	31	33	32	31	27	28	26	40	35	41	40	41	88	43	34	37
TMGR	HY02	80	28	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	71	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	78	-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	4	4	5	5	5	5	4	4	4	4	4	4	4	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		815	326	298	269	260	258	192	189	191	188	187	191	214	187	178	177	246	275	287	276	275	494	846	653
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	21	22	22	21	21	19	21	21	20	21	21	21	21	22	21	20	22	20	20	20	21	20	20	21
PCUF	CUFK	37	36	37	39	38	36	38	38	39	40	40	39	38	39	39	40	41	38	37	37	36	32	32	32
Total Co-Gen		58	58	59	60	59	55	59	59	61	62	60	59	60	60	62	58	59	57	56	52	53	52	51	51
Total Gen		13561	13194	13041	12733	12521	12230	12030	11806	11666	11778	11607	11653	11653	11617	11493	11259	11257	11848	12446	12818	13293	13640	14048	14129
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		31	31	31	31	30	30	30	30	30	31	31	30	30	30	31	31	31	31	31	31	30	30	31	31
TIE-PLTG		-63	-45	-79	-36	-47	-72	-41	-46	-31	8	77	-42	28	27	47	35	79	-55	-23	-41	-73	-56	-38	-50
Interconnection		-32	-14	-48	-5	-17	-42	-31	-16	-1	38	108	-12	58	57	77	65	110	-25	7	-11	-43	-26	-7	
System Total		13593	13208	13089	12738	12538	12272	12041	11822	11667	11740	11499	11665	11595	11560	11416	11194	11147	11873	12439	12829	13336	13666	14055	14149
SRev ST-Coal		19	107	161	147	86	67	43	40	48	39	52	41	48	50	98	85	51	39	49	30	30	45	5	
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		292	194	266	346	567	694	824	1048	1182	1280	1458	1405	1420	1428	1495	1743	1848	1437	1050	956	479	192	177	
SRev ST-Gas		29	41	40	36	34	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		18	18	17	16	17	21	17	17	17	15	14	16	17	16	14	14	18	17	19	20	24	23	24	24
Syncon		453	639	575	726	726	726	726	726	726	726	726	575	726	726	726	726	726	575	726	726	622	471	471	471
Hydro		71	150	242	122	109	111	115	118	116	119	119	115	244	119	128	129	135	107	245	106	107	67	52	244
S.Reserve Total		882	1149	1301	1393	1539	1649	1725	1949	2089	2179	2349	2303	2304	2339	2463	2697	2774	2327	1936	1837	1362	950	728	1016