

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,707 MW
Hydro	1,741 MW
Distillate	0 MW
Total TNB	8,528 MW
Total IPP	9,133 MW
Total Co-Gen	0 MW
Total System	17,661 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	69,192	21.54 %
Gas	71,618	22.30 %
Hydro	17,337	5.40 %
Total TNB	158,147	49.23 %
ST-Coal	75,135	23.39 %
ST-Gas	4,995	1.56 %
ST-Oil	676	0.21 %
Gas	79,809	24.85 %
Distillate	1,942	0.60 %
Total IPP	162,557	50.61 %
Co-Gen	1,381	0.43 %
Total Co-Gen	1,381	0.43 %
Total Generation	322,085	100.27 %
PLTG	139	0.04 %
HVDC	727	0.23 %
Interconnection	866	0.27 %
Net Energy	321,219	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:	20:30:00 Hour
Total Set On Bus	15,748 MW
TNB Generation	7,435 MW
IPP Generation	7,179 MW
Spinning Reserve	1,071 MW
Maximum Demand	14,635 MW
Net Energy	321,219 MWH
Load Factor	91.45 %

Fuel Cost

Total Cost:	46,955,021.97 RM
Cost per Unit	15.40 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	553
Hydro	251
Syncon	337
Thermal	43
Total	1,184

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	33
CBPS	49
GLGR	34
PAKA	190
PGPS	51
SRDG	4
TJGS	201
Total TNB	562

Alternate Fuel Usage

Station	(mmscfd)
SGB3	8
SGRI	8
PKLG	7
Total	23

KLPP	3
MPSS	63
PDPS	10
PGLA	112
PKLG	20
PLPS	80
PTEK	7
SGB3	76
SGRI	164
YPKA	102
PKLG	50
Total IPP	687
Total Gas	1,249
Total Gas Required	1,272

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	13749	13089	12715	12347	12042	11724	11701	11503	11383	12735	13635	14250	14198	13944	14319	14362	14469	14036	13684	13700	14624	14428	14088	13876

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	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	20
PGAU	HY03	-1	22	-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	19	-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	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	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	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	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	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	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	-1
TMGR	HY02	34	33	37	34	36	32	37	32	33	27	29	26	34	35	28	30	35	38	36	37	38	39	36	38	45
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	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	-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	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	3
Total Hydro		233	212	195	212	202	183	225	208	189	174	180	173	188	189	214	178	193	215	290	410	591	675	851	849	
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	0	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	CUFG	21	26	32	31	31	32	31	30	30	32	32	33	32	31	32	33	31	30	31	31	33	33	31	32	31
PCUF	CUFK	24	26	26	27	27	27	28	28	26	26	26	26	27	26	25	24	24	18	19	18	19	17	16	18	18
Total Co-Gen		45	52	58	58	58	59	59	58	56	58	59	61	60	57	58	59	62	59	56	54	55	49	52	51	
Total Gen		13755	13621	13131	12976	12726	12480	12320	12130	12081	11830	11780	11708	11766	11778	11593	11316	11388	12218	12760	13195	13663	13975	14254	14384	
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	0
TIE-HVDC		30	30	30	30	30	31	31	30	30	31	30	30	30	31	31	30	30	30	30	30	30	31	31	31	31
TIE-PLTG		-24	33	12	-18	-19	-30	-57	11	9	-8	25	15	35	-12	60	9	-25	6	-4	-55	-2	45	-27	19	
Interconnection		6	63	42	12	11	0	-27	41	39	23	56	44	65	18	90	39	5	36	25	-24	28	77	4	49	
System Total		13749	13558	13089	12964	12715	12480	12347	12089	12042	11807	11724	11664	11701	11760	11503	11277	11383	12182	12735	13219	13635	13898	14250	14335	
SRev ST-Coal		47	37	55	20	53	70	42	68	75	68	72	74	62	51	89	72	41	28	30	50	4	36	5	-4	
SRev ST-Oil		0	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 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	0
SRev CCGT-Gas		401	283	287	135	121	262	473	620	641	886	939	1004	972	969	1142	1402	1379	703	451	450	236	214	293	292	
SRev ST-Gas		9	32	84	39	34	31	2	1	1	1	1	1	1	1	1	0	38	40	30	6	0	0	0	0	0
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	0
SRev Co-Gen		-1	-8	-14	-14	-14	-15	-15	-14	-12	-14	-15	-17	-16	-13	-14	-15	-18	-15	-12	-10	-11	-5	-8	-7	
Syncon		575	575	726	726	726	726	726	575	726	726	726	726	726	424	726	726	726	726	726	625	625	625	474	625	
Hydro		331	252	118	101	111	130	88	256	124	139	133	140	125	124	401	135	120	98	123	104	110	142	217	218	
S_Reserve Total		1362	1171	1256	1007	1031	1204	1316	1506	1555	1806	1856	1928	1870	1858	2043	2320	2286	1580	1348	1225	964	1093	1023	1166	