

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,766 MW
Hydro	1,842 MW
Distillate	0 MW
Total TNB	6,988 MW
Total IPP	10,535 MW
Total Co-Gen	0 MW
Total System	17,523 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	44,127	14.47 %
Gas	39,537	12.97 %
Hydro	11,379	3.73 %
Total TNB	95,043	31.17 %
ST-Coal	89,984	29.51 %
ST-Gas	52	0.02 %
Gas	117,089	38.40 %
Total IPP	207,125	67.93 %
Co-Gen	1,502	0.49 %
Total Co-Gen	1,502	0.49 %
Total Generation	303,670	99.59 %
PLTG	-563	-0.18 %
HVDC	-698	-0.23 %
Interconnection	-1,261	-0.41 %
Net Energy	304,931	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	14,555 MW
TNB Generation	4,381 MW
IPP Generation	9,324 MW
Spinning Reserve	787 MW
Maximum Demand	13,834 MW
Net Energy	304,931 MWH
Load Factor	91.84 %

Fuel Cost

Total Cost:	45,761,470.92 RM
Cost per Unit	15.65 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	336
Hydro	167
Syncon	675
Thermal	26
Total	1,204

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	58
PAKA	2
PGPS	51
SRDG	14
TJGS	165
Total TNB	293

KLPP	112
MPSS	63
PDPS	5
PGLA	115
PKLG	5
PLPS	102
PTEK	6
SGB3	82
SGRI	182
SKSP	34
YPGS	69
YPKA	136
PKLG	1
Total IPP	913
Total Gas	1,206

Total Gas Required 1,206

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	13758	13181	12757	12224	11928	11808	11564	11086	10796	11707	12521	12949	12941	12688	13145	13241	13281	13078	12939	12946	13549	13771	13580	13460

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
SIHY	HY01	0	0	0	0	0	0	0	0	0	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50
SYPS	HY01	25	25	25	25	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY04	25	25	25	25	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
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	86	41	41	38	40	39	36	40	39	40	35	28	39	38	23	38	38	37	44	47	37	49	45	43
TMGR	HY03	0	0	0	0	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	36	37
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	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5
UPIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	3	3	3	3	3	3	3
Total Hydro		359	295	320	278	300	187	274	192	179	187	171	156	194	177	144	146	155	229	284	249	208	258	224	340
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	-41	40	39	39	38	37	39	38	39	39	39	38	39	39	40	40	39	39	38	38	38	39	39	40
PCUF	CUFK	16	17	17	28	30	30	31	29	30	27	29	29	31	28	30	28	28	27	26	24	26	23	22	25
Total Co-Gen		57	57	56	67	68	67	69	68	69	66	68	67	70	66	68	68	69	67	68	67	66	65	62	64
Total Gen		13717	13445	13112	12812	12713	12464	12194	12006	11854	11949	11783	11737	11545	11354	11114	10813	10612	11170	11596	11874	12453	12683	12837	12980
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-30	-28	-28	-28	-29
TIE-PLTG		-12	3	-40	15	-15	-12	-1	-35	-45	-6	4	77	11	-10	37	54	-155	-61	-82	-138	-38	-115	-84	-128
Interconnection		-41	-26	-69	-15	-44	-42	-30	-64	-74	-35	-25	47	-19	-39	28	25	-184	-91	-111	-167	-68	-144	-112	-157
System Total		13758	13471	13181	12827	12757	12506	12224	12070	11928	11984	11808	11690	11564	11393	11086	10788	10796	11261	11707	12041	12521	12827	12949	13137
SRev ST-Coal		25	-15	7	48	2	23	59	91	94	35	44	38	17	90	119	167	133	40	34	59	27	14	-31	24
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		228	240	435	321	285	49	372	418	549	490	701	725	960	1158	1288	1564	1727	1275	998	830	367	408	180	200
SRev ST-Gas		29	25	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		-13	-13	-12	-23	-24	-23	-25	-25	-24	-25	-22	-24	-23	-26	-22	-24	-25	-23	-24	-23	-22	-21	-18	-20
Syncon		827	827	676	827	827	827	676	827	827	827	827	676	827	827	827	676	827	827	827	827	827	575	726	726
Hydro		41	100	226	117	95	108	172	103	116	108	124	139	252	118	151	149	140	267	212	88	129	79	113	248
S.Reserve Total		1137	1171	1335	1295	1190	989	1259	1419	1567	1499	1670	1716	1908	2099	2339	2640	2841	2333	1907	1761	1365	1325	1121	1078