

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,915 MW
Hydro	1,826 MW
Distillate	0 MW
Total TNB	7,811 MW
Total IPP	10,376 MW
Total Co-Gen	0 MW
Total System	18,187 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,840	15.91 %
Gas	68,794	22.41 %
Hydro	6,035	1.97 %
Total TNB	123,669	40.29 %
ST-Coal	101,867	33.19 %
ST-Gas	72	0.02 %
ST-Oil	6,445	2.10 %
Gas	73,116	23.82 %
Total IPP	181,500	59.13 %
Co-Gen	1,676	0.55 %
Total Co-Gen	1,676	0.55 %
Total Generation	306,845	99.97 %
PLTG	598	0.19 %
EGAT	-2	0.00 %
HVDC	-703	-0.23 %
Interconnection	-107	-0.03 %
Net Energy	306,952	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:	11:00:00 Hour
Total Set On Bus	14,950 MW
TNB Generation	5,697 MW
IPP Generation	7,984 MW
Spinning Reserve	1,208 MW
Maximum Demand	13,765 MW
Net Energy	306,952 MWH
Load Factor	92.91 %

Fuel Cost

Total Cost:	45,196,090.83 RM
Cost per Unit	15.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	248
Hydro	166
Syncon	508
Thermal	34
Total	956

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	1
CBPS	5
GLGR	57
PAKA	167
PGPS	42
SRDG	29
TJGS	218
Total TNB	520

KLPP	82
MPSS	58
PDPS	2
PKLG	2
PLPS	87
PTEK	2
SGRI	200
SKSP	57
YPGS	35
YPKA	63
PKLG	1
Total IPP	589
Total Gas	1,110

Total Gas Required	1,171
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Alternate Fuel Usage

Station	(mmscfd)
PKLG	62
Total	62

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	13307	12828	12489	12038	11707	11590	11524	11401	11267	12336	13076	13766	13621	13211	13478	13498	13535	13040	12769	12966	13649	13579	13104	12660

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	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	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	81	81	33	32	33	32	31	35	33	38	34	32	31	30	27	30	39	33	35	34	34	40	36	32
TMGR	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
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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		364	260	180	186	180	174	171	222	178	247	219	172	171	167	180	168	227	198	220	403	257	427	501	346
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	40	40	40	40	39	41	40	39	40	40	39	40	41	40	41	39	39	37	37	36	36	36	39	39
PCUF	CUFK	34	32	32	33	34	35	37	37	36	36	36	36	36	37	35	33	35	34	32	32	30	25	24	24
Total Co-Gen		74	72	72	73	73	76	77	76	76	76	75	76	78	77	76	74	73	69	69	66	61	60	63	63
Total Gen		13307	13169	12901	12690	12529	12200	12033	11950	11678	11644	11594	11526	11555	11576	11430	11205	11136	11985	12277	12805	13102	13485	13742	13712
TIB-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
TIB-HVDC		-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29
TIB-PLTG		29	78	102	119	69	51	24	-36	0	-34	33	56	60	30	58	37	-101	64	-31	-18	55	28	5	
Interconnection		-1	48	73	90	40	22	-5	-65	-29	-64	4	28	31	1	29	7	-131	34	-59	-47	26	-1	-24	
System Total		13307	13121	12828	12600	12489	12178	12038	12015	11707	11708	11590	11498	11524	11575	11401	11198	11267	11951	12335	12852	13076	13486	13766	13669
SRev ST-Coal		46	19	38	29	37	49	41	34	59	81	108	79	61	31	65	48	29	25	53	44	11	47	35	
SRev ST-Oil		-1	-1	-2	-2	-1	-1	-2	-2	-2	-2	-2	-1	-1	24	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2
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		544	144	244	286	285	349	522	663	866	905	882	992	982	986	1110	1339	1494	606	436	409	325	271	244	
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		2	4	4	3	3	0	-1	0	0	1	0	-2	-1	-1	0	2	3	7	7	10	15	16	13	
Syncon		568	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719
Hydro		111	64	144	138	144	159	162	111	155	237	114	161	162	166	304	165	106	286	113	307	151	182	459	
S.Reserve Total		1270	949	1147	1173	1187	1275	1442	1525	1797	1789	1822	1949	1920	1899	2045	2270	2339	1490	1295	1192	1305	1042	1208	