

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,504 MW
Hydro	1,843 MW
Distillate	0 MW
Total TNB	6,727 MW
Total IPP	10,753 MW
Total Co-Gen	0 MW
Total System	17,480 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	31,630	11.00 %
Gas	32,018	11.14 %
Hydro	35,326	12.29 %
Distillate	1,433	0.50 %
Total TNB	100,407	34.93 %
ST-Coal	110,779	38.54 %
ST-Gas	1,468	0.51 %
Gas	74,183	25.81 %
Total IPP	186,430	64.86 %
Co-Gen	1,154	0.40 %
Total Co-Gen	1,154	0.40 %
Total Generation	287,991	100.19 %
PLTG	-45	-0.02 %
HVDC	580	0.20 %
Interconnection	535	0.19 %
Net Energy	287,456	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:	11:30:00 Hour
Total Set On Bus	14,755 MW
TNB Generation	4,847 MW
IPP Generation	9,034 MW
Spinning Reserve	827 MW
Maximum Demand	13,927 MW
Net Energy	287,456 MWH
Load Factor	86.00 %

Fuel Cost

Total Cost:	33,849,882.90 RM
Cost per Unit	13.39 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	884
Hydro	178
Syncon	7
Thermal	30
Total	1,099

Time	Weather	Temperature
Afternoon	Rainy	30
Morning	Rainy	25

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	35
SRDG	10
TJGS	140
Total TNB	236
KLPP	82
MPSS	33
PDPS	4
PGLA	80
SGB3	57
SGRI	163
SKSP	43
YPGS	70
YPKA	56
Total IPP	588
Total Gas	824
Total Gas Required	839

Alternate Fuel Usage

Station	(mmscfd)
TJGS	14
Total	14

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	10882	10456	10081	9774	9665	9560	9668	10066	10865	12656	13383	13814	13571	13236	13456	13511	13515	13409	12645	12710	13134	12915	12148	11725

Daily MW Generation on Monday

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																											
PCUF	CUFK	39	40	39	39	39	39	38	40	38	37	38	39	39	39	39	40	39	39	38	39	40	38	33	27	40	38	39	39	38	40	40	38	39	40	39	39	37	39	40	39	39	40	39	40	37	38					
Total Co-Gen		45	47	45	45	46	46	46	45	43	46	44	45	45	46	47	46	47	46	47	46	47	46	47	46	47	46	48	47	49	49	49	53	53	53	52	54	52	53	50	53	55	53	53	54	51	52	50	51			
Total Gen		10832	10661	10388	10123	9939	9843	9770	9655	9663	9619	9562	9661	9695	9935	10126	10358	10856	11995	12713	13130	13397	13721	13811	13928	13594	13447	13281	13469	13462	13670	13638	13469	13549	13564	13439	13029	12758	12600	12761	13364	13226	13146	12980	12642	12231	11956	11805	11549			
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	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	-28	-28	-29	-29	31	31	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	31	31	30	30	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31			
TIE-PLTG		-20	22	-40	-27	-113	-30	-34	-12	-33	-16	-28	-2	-4	-89	30	27	-40	-14	27	2	-16	-37	-32	-29	-7	32	14	-11	-23	-4	96	-7	3	-66	0	88	83	-26	20	-31	62	15	34	17	52	-23	50	50			
Interconnection		-50	-6	-68	-56	-142	1	-4	19	-2	14	2	29	27	-59	60	58	-9	16	57	32	14	-8	-3	1	23	63	45	19	6	27	127	24	34	-36	30	118	113	5	51	-1	92	45	65	47	83	7	80	81			
System Total		10882	10667	10456	10179	10081	9842	9774	9636	9665	9605	9560	9632	9668	9994	10066	10300	10865	11979	12656	13098	13383	13729	13814	13927	13571	13384	13236	13450	13456	13643	13511	13445	13515	13600	13409	12911	12645	12595	12710	13365	13134	13101	12915	12595	12148	11949	11725	11468			
SRev ST-Coal		36	44	12	339	476	514	506	530	567	567	566	563	560	515	558	507	493	24	56	38	8	27	27	14	50	65	32	9	35	26	68	20	24	24	19	26	26	18	-2	14	22	31	21	20	44	14	27	45			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	82	51	76	77	76	42	42	43	42	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		912	943	1180	1111	1080	1090	1174	1023	1044	1074	1053	995	1025	924	704	683	613	1351	904	851	689	458	649	534	788	935	1097	989	993	853	907	1021	1018	1008	1030	1190	1384	1572	1580	1107	1145	829	997	924	798	1072	828	1043			
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	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	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	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	0
SRev Co-Gen		31	29	31	31	30	30	30	31	33	30	32	31	31	30	29	30	30	29	30	30	31	29	29	29	36	40	28	29	27	27	27	23	23	23	24	22	24	23	26	23	21	23	23	22	25	24	26	25			
Syncon		0	0	0	0	0	0	151	151	151	151	151	151	151	302	302	302	302	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	0	0	0	0	0	0	0	0	0
Hydro		81	112	29	36	105	130	130	133	148	269	347	307	268	126	172	197	206	292	268	213	183	174	176	174	213	262	263	257	262	256	216	244	125	121	66	129	165	162	163	50	53	160	167	179	141	135	163	193			
S.Reserve Total		1060	1153	1252	1517	1689	1764	1840	1868	1943	2091	2149	2047	2033	1897	1765	1719	1644	1696	1258	1131	910	770	932	827	1164	1388	1457	1331	1350	1204	1290	1291	1190	1176	1138	1348	1598	1776	1765	1190	1241	1042	1207	1147	1157	1433	1044	1306			