

Availability at Daily Maximum Demand Hour

ST-Coal	2,350 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,583 MW
Hydro	1,810 MW
Distillate	0 MW
Total TNB	7,743 MW
Total IPP	9,651 MW
Total Co-Gen	1 MW
Total System	17,965 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	51,044	16.58 %
Gas	57,451	18.66 %
Hydro	13,065	4.24 %
Total TNB	121,560	39.48 %
ST-Coal	123,499	40.11 %
Gas	61,606	20.01 %
Total IPP	185,105	60.12 %
Co-Gen	243	0.08 %
Total Co-Gen	243	0.08 %
Total Generation	306,908	99.68 %
PLTG	-298	-0.10 %
HVDC	-702	-0.23 %
Interconnection	-1,000	-0.32 %
Net Energy	307,908	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:	19:30:00 Hour
Total Set On Bus	15,237 MW
TNB Generation	5,528 MW
IPP Generation	8,521 MW
Spinning Reserve	1,178 MW
Maximum Demand	14,150 MW
Net Energy	307,908 MWH
Load Factor	90.67 %

Fuel Cost

Total Cost:	38,474,250.40 RM
Cost per Unit	13.09 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	293
Hydro	319
Syncon	549
Thermal	117
Total	1,278

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	23
GLGR	55
NPRI	25
PAKA	102
SRDG	19
TJGS	216
Total TNB	440
KLPP	99
PDPS	26
PKLG	13
PLPS	96
PTEK	20
SGRI	191
SKSP	56
Total IPP	500
Total Gas	940

Total Gas Required 940

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	12867	12481	12009	11654	11406	11232	11228	10943	11047	12243	13168	13756	13695	13547	13795	13850	13848	13404	13095	13539	13993	13919	13468	13215

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
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
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPLA	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		484	445	435	352	340	331	320	302	274	269	264	240	257	230	199	230	242	298	351	526	729	792	651	873
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	3	2	2	2	2	3	2	3	3	3	2	3	4	4	5	4	3	4	3	4	3	3	3	3
PCUF	CUFK	8	7	7	9	7	6	7	7	7	9	7	8	5	8	7	8	8	7	7	8	8	8	7	7
Total Co-Gen		11	9	9	11	9	9	9	10	10	12	9	11	8	10	10	12	12	12	11	11	11	11	11	11
Total Gen		12838	12662	12427	12166	11964	11790	11647	11540	11397	11154	11158	11119	11208	11244	10957	10752	10956	11711	12201	12672	13159	13521	13682	13928
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	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		0	-5	-25	-66	-15	-52	23	20	21	-90	-44	-19	10	-8	43	-52	-62	-23	-14	-7	20	13	-44	40
Interconnection		-29	-34	-54	-95	-45	-82	-7	-9	-9	-120	-74	-48	-20	-38	14	-81	-91	-52	-42	-35	-9	-15	-74	11
System Total		12867	12696	12481	12261	12009	11872	11654	11549	11406	11274	11232	11167	11228	11282	10943	10813	11047	11763	12243	12707	13168	13536	13756	13917
SRev ST-Coal		25	-39	95	147	104	133	134	99	149	167	192	191	138	119	133	301	308	151	141	124	148	137	154	149
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	106	55	28	94
SRev CCGT-Gas		347	436	321	452	531	666	593	719	783	908	905	941	964	921	1164	1256	1035	635	560	550	271	115	86	95
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		-10	-8	-8	-10	-8	-8	-8	-9	-11	-7	-9	-7	-9	-9	-11	-10	-10	-9	-9	-9	-9	-9	-9	-9
Syncon		687	687	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838
Hydro		194	233	92	75	87	96	107	125	153	259	113	137	271	97	128	97	85	79	76	152	361	363	403	244
S.Reserve Total		1243	1309	1338	1502	1552	1725	1664	1772	1914	2010	2041	1948	2053	1966	2254	2481	2256	1692	1606	1584	1299	1197	1275	1093