

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,704 MW
Hydro	1,809 MW
Distillate	0 MW
Total TNB	6,893 MW
Total IPP	10,730 MW
Total Co-Gen	0 MW
Total System	17,908 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	32,210	11.06 %
Gas	32,782	11.25 %
Hydro	34,376	11.80 %
Total TNB	99,368	34.11 %
ST-Coal	113,514	38.96 %
Gas	77,829	26.71 %
Total IPP	191,343	65.68 %
Co-Gen	1,044	0.36 %
Total Co-Gen	1,044	0.36 %
Total Generation	291,755	100.14 %
PLTG	-312	-0.11 %
HVDC	728	0.25 %
Interconnection	416	0.14 %
Net Energy	291,339	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:	16:30:00 Hour
Total Set On Bus	14,918 MW
TNB Generation	4,957 MW
IPP Generation	8,944 MW
Spinning Reserve	975 MW
Maximum Demand	13,949 MW
Net Energy	291,339 MWH
Load Factor	87.02 %

Fuel Cost

Total Cost:	33,826,037.03 RM
Cost per Unit	13.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	925
Hydro	105
Syncon	0
Thermal	20
Total	1,050

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	48
PAKA	0
PGPS	36
SRDG	12
TJGS	152
Total TNB	252
KLPP	88
MPSS	40
PDPS	3
PGLA	80
SGB3	49
SGRI	173
SKSP	44
YPGS	69
YPKA	69
Total IPP	616
Total Gas	868
Total Gas Required	868

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	11070	10531	10363	10016	9878	9913	9926	10365	10959	12399	13243	13694	13689	13308	13575	13868	13825	13643	12791	12719	13516	13118	12646	12147

Daily MW Generation on Tuesday

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																											
Total Hydro		1360	1183	1084	994	997	979	964	973	977	973	973	970	992	1006	1147	1235	1398	1600	1592	1589	1589	1745	1754	1735	1680	1610	1620	1624	1641	1707	1724	1730	1726	1667	1596	1513	1532	1539	1716	1785	1785	1786	1649	1755	1558	1550	1399	1398			
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	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	
PCUF	CUFG	13	13	14	15	13	13	13	14	14	12	15	15	12	13	14	15	15	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
PCLF	CUFK	38	31	34	33	33	34	34	34	33	32	34	32	33	32	32	32	32	32	32	32	32	32	32	32	30	30	29	27	27	27	26	25	26	25	26	25	26	28	27	27	26	26	28	27	27	26	25	27	25	27	24
Total Co-Gen		51	44	48	48	46	47	47	48	47	44	49	47	45	45	46	47	48	45	46	45	45	45	45	45	43	43	42	40	40	40	39	38	39	38	39	38	42	43	42	43	43	41	44	37	38	39	38	40	43	45	42
Total Gen		11108	10962	10625	10326	10305	10164	10065	9979	9950	9873	9967	9931	9989	10285	10404	10457	11004	11850	12385	12841	13189	13183	12636	13780	13690	13331	13289	13498	13527	13765	13843	13843	13844	13943	13620	13216	12853	12738	12748	13441	13524	13439	13115	12902	12684	12593	12222	11960			
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	0	0
TIE-HVDC		31	31	31	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	29	29	31	31	30	30	
TIE-PLTG		6	62	63	-51	-88	1	19	-5	42	26	24	-4	32	-63	9	-55	15	46	-44	-106	-84	-33	-88	-67	-29	-34	-50	-30	-79	-20	-56	-35	-12	-37	-52	25	31	10	-2	8	-22	18	-32	8	7	19	44	37			
Interconnection		38	93	94	-21	-58	30	49	25	72	56	54	27	63	-32	39	-25	45	76	-14	-76	-54	-3	-58	-36	1	-3	-19	0	-48	11	-25	-4	19	-6	-23	55	62	40	29	39	8	49	-3	37	38	50	75	68			
System Total		11070	10869	10531	10347	10363	10134	10016	9954	9878	9817	9913	9904	9926	10317	10365	10482	10959	11774	12399	12917	13243	13186	13694	13816	13689	13334	13308	13498	13575	13754	13868	13847	13825	13949	13643	13161	12791	12698	12719	13402	13516	13390	13118	12865	12646	12543	12147	11892			
SRev ST-Coal		45	87	190	80	89	130	181	213	292	363	288	314	289	254	178	184	175	111	43	46	22	29	0	-41	38	25	36	6	39	32	9	9	17	27	-3	26	76	96	42	18	33	20	22	20	25	15	45	65			
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	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 CCGT-Gas		1328	901	1038	1250	1196	1277	1311	1302	1305	1304	1290	1295	1282	1035	1134	1164	1005	1407	1063	960	797	862	727	702	688	900	859	834	904	823	790	796	783	616	803	887	1220	1232	1171	852	799	966	975	1115	964	690	822	630			
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	0
SRev Co-Gen		25	32	28	28	30	29	29	28	29	32	27	29	31	31	30	29	28	31	30	31	31	31	31	33	33	34	36	36	36	37	38	37	38	34	33	34	33	33	33	35	32	39	38	37	38	36	33	31	34		
Syncon		151	302	302	453	453	453	453	453	453	453	453	453	453	453	462	453	151	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		232	208	306	147	145	162	176	167	163	167	168	170	149	137	54	62	201	175	182	185	185	108	101	101	88	58	57	53	59	61	67	85	96	155	226	129	53	47	69	50	28	27	164	58	25	33	33	34			
S.Reserve Total		1781	1530	1864	1958	1913	2051	2150	2163	2242	2319	2226	2261	2204	1910	1858	1892	1560	1724	1318	1222	1035	1120	899	836	888	1642	988	1054	1146	1104	1044	1068	1074	975	1298	1076	1382	1408	1317	958	973	1158	1198	1231	1050	771	1082	914			