

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,894 MW
Hydro	1,838 MW
Distillate	0 MW
Total TNB	8,812 MW
Total IPP	9,591 MW
Total Co-Gen	0 MW
Total System	18,973 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,137	23.15 %
Gas	59,974	20.37 %
Hydro	7,891	2.68 %
Total TNB	136,002	46.20 %
ST-Coal	91,488	31.08 %
Gas	65,942	22.40 %
Total IPP	157,430	53.48 %
Co-Gen	1,428	0.49 %
Total Co-Gen	1,428	0.49 %
Total Generation	294,860	100.17 %
PLTG	-243	-0.08 %
HVDC	731	0.25 %
Interconnection	488	0.17 %
Net Energy	294,372	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:	21:30:00 Hour
Total Set On Bus	14,963 MW
TNB Generation	6,525 MW
IPP Generation	7,438 MW
Spinning Reserve	939 MW
Maximum Demand	14,025 MW
Net Energy	294,372 MWH
Load Factor	87.45 %

Fuel Cost

Total Cost:	36,440,477.11 RM
Cost per Unit	12.70 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	234
Hydro	145
Syncon	713
Thermal	33
Total	1,125

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	55
PAKA	136
PGPS	30
SRDG	4
TJGS	213
Total TNB	439
KLPP	70
MPSS	41
PDPS	4
PGLA	85
PLPS	99
SGRI	143
YPKA	73
Total IPP	515
Total Gas	954

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 954

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	13077	12487	12082	11633	11353	11190	11168	10850	10548	11057	11726	12190	12357	12251	12531	12661	12726	12438	12126	12509	13704	13852	13758	13538

Daily MW Generation on Sunday

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																										
PCUP	CUFK	27	26	26	28	28	27	28	29	28	27	25	27	27	27	26	26	27	28	27	23	23	24	24	23	22	22	22	21	22	20	20	21	27	29	29	29	30	27	28	29	28	28	28	30	28	29	29			
Total Co-Gen		60	59	60	63	62	62	61	64	62	62	60	61	63	63	62	62	61	61	63	60	55	57	56	56	55	54	54	51	53	53	52	52	51	60	62	63	63	64	60	63	62	60	61	61	62	62	62	61		
Total Gen		13095	12709	12572	12291	12148	11822	11640	11481	11402	11235	11190	11153	11166	11102	10966	10834	10657	10777	11086	11354	11687	11970	12213	12366	12360	12352	12298	12549	12518	12721	12700	12735	12713	12750	12559	12361	12193	12187	12493	13515	13735	13877	13868	14024	13816	13753	13494	13372		
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		
TIE-HVDC		31	30	29	31	31	29	29	31	31	31	29	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	31	31	31	31	31	30	
TIE-PLTG		-13	3	56	-35	32	-62	-23	-50	17	-50	-29	-40	-33	-23	84	36	-21	-51	-1	8	-69	-12	-7	-57	-28	3	17	21	-43	25	8	-36	-43	17	91	-24	36	-21	-46	-2	1	-26	-14	-32	27	-24	-74	19		
Interconnection		18	33	85	-4	63	-33	6	-19	47	-18	0	-9	-2	8	115	66	9	-21	29	39	-39	19	23	-26	3	33	47	52	-13	56	39	-5	-13	47	121	7	67	10	-16	28	31	5	16	-1	58	7	-44	49		
System Total		13077	12676	12487	12295	12082	11855	11633	11499	11353	11252	11190	11162	11168	11094	10850	10468	10548	10797	11057	11315	11726	11951	12190	12392	12357	12319	12251	12497	12531	12665	12661	12740	12726	12703	12438	12354	12126	12177	12509	13487	13704	13872	13852	14025	13758	13746	13538	13323		
SRev ST-Coal		47	5	38	23	-5	43	124	50	40	-13	13	17	5	25	40	203	180	195	19	41	39	39	12	55	34	46	57	10	44	52	45	21	38	23	101	45	63	37	-15	79	35	32	43	2	11	-9	3	5		
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
SRev CCGT-Gas		234	300	396	370	603	856	715	649	764	989	832	866	887	928	1016	1264	1260	1134	1176	1040	728	440	223	324	483	477	420	264	268	170	170	157	127	142	199	403	862	1158	1013	276	208	105	105	85	150	103	139	149		
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 Co-Gen		-16	-15	-16	-19	-18	-18	-17	-20	-18	-18	-16	-17	-19	-19	-18	-18	-17	-17	-19	-16	-11	-13	-12	-12	-11	-10	-10	-7	-9	-8	-8	-7	-16	-18	-19	-19	-20	-16	-19	-18	-16	-17	-17	-18	-18	-18	-17			
Syncon		726	726	726	827	676	676	676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827		
Hydro		157	90	99	119	210	206	217	82	86	80	81	81	212	215	97	128	131	79	118	80	207	63	63	65	62	63	193	54	200	188	64	62	76	68	126	227	243	107	95	109	219	235	234	242	243	337	447	205		
S.Reserve Total		1148	1106	1243	1320	1466	1763	1715	1588	1699	1865	1737	1774	1761	1825	1962	2404	2381	2231	2134	1985	1652	1369	1126	1171	1307	1315	1399	1148	1179	976	997	958	960	943	1134	1332	1825	2109	1803	1245	1175	1086	1095	939	1017	887	1146	1068		