

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,788 MW
Hydro	1,823 MW
Distillate	0 MW
Total TNB	8,001 MW
Total IPP	9,597 MW
Total Co-Gen	1 MW
Total System	18,169 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	49,906	17.81 %
Gas	54,286	19.37 %
Hydro	9,615	3.43 %
Total TNB	113,807	40.62 %
ST-Coal	109,920	39.23 %
Gas	55,967	19.97 %
Total IPP	165,887	59.20 %
Co-Gen	153	0.05 %
Total Co-Gen	153	0.05 %
Total Generation	279,847	99.88 %
PLTG	-71	-0.03 %
HVDC	-278	-0.10 %
Interconnection	-349	-0.12 %
Net Energy	280,196	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:	20:00:00 Hour
Total Set On Bus	14,512 MW
TNB Generation	5,061 MW
IPP Generation	8,132 MW
Spinning Reserve	1,312 MW
Maximum Demand	13,132 MW
Net Energy	280,196 MWH
Load Factor	88.90 %

Fuel Cost

Total Cost:	35,006,154.75 RM
Cost per Unit	12.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	284
Hydro	379
Syncon	580
Thermal	343
Total	1,586

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	28
GLGR	54
NPRI	10
PAKA	99
TJGS	213
Total TNB	403
KLPP	91
MPSS	4
PDPS	1
PLPS	72
PTEK	6
SGB3	36
SGRI	176
SKSP	54
Total IPP	441
Total Gas	844

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 844

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	12478	12060	11584	11241	10918	10634	10742	10293	10029	10512	11204	11836	11955	11869	11871	11907	11848	11728	11653	12543	13132	13034	12840	12372

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																									
PCUF	CUFG	3	3	4	4	4	4	3	4	3	4	4	4	5	6	6	5	4	4	4	4	4	3	4	3	4	3	4	4	4	4	3	5	4	5	4	4	5	3	3	4	3	5	3	4					
PCUF	CUFK	4	4	4	5	5	6	5	6	5	5	5	6	6	5	6	5	4	2	2	0	1	0	-1	-2	-2	-3	-1	-1	0	-1	0	0	0	1	1	0	0	2	1	3	2	4	3	3	3				
Total Co-Gen		7	7	8	9	9	10	9	9	9	9	9	11	12	11	11	9	8	6	4	5	3	3	1	2	0	3	3	2	4	3	4	3	5	5	6	4	4	7	4	6	6	7	8	6	7				
Total Gen		12449	12111	12026	11690	11579	11377	11232	11092	10883	10632	10580	10631	10673	10653	10338	10071	10028	10342	10595	10698	11164	11490	11793	11864	11963	11922	11904	11933	11854	11889	11899	11875	11830	11877	11717	11637	11654	11787	12519	13151	13200	13083	13043	12982	12815	12564	12406	12135	
TIB-BGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	0	0	0	0	0	0	0	0	0	0	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-PLTG		0	16	-5	-17	-36	-4	20	18	-6	-58	-24	-25	-40	-38	74	-5	28	36	23	-52	-40	-14	-43	-45	8	51	35	23	-17	-21	-8	5	-18	36	-11	-48	1	25	-24	30	68	18	9	-5	-25	-52	34	-21	
Interconnection		-29	-13	-34	-46	-65	-33	-9	-11	-35	-87	-54	-55	-69	-67	45	-34	-1	7	-7	-52	-40	-14	-43	-45	8	51	35	23	-17	-21	-8	5	-18	36	-11	-48	1	25	-24	30	68	18	9	-5	-25	-52	34	-21	
System Total		12478	12124	12060	11736	11584	11410	11241	11103	10918	10719	10634	10686	10742	10720	10293	10105	10029	10325	10512	10750	11204	11504	11836	11909	11955	11871	11869	11910	11871	11910	11907	11870	11848	11841	11728	11685	11683	11762	12543	13121	13132	13065	13034	12987	12840	12616	12372	12156	
SRev	ST-Coal	130	90	119	135	137	171	220	207	127	413	424	370	361	359	373	595	597	711	707	694	647	546	284	284	287	393	388	391	433	329	333	338	328	294	511	502	494	489	360	55	58	50	144	106	155	246	482	606	
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	42	55	33	25	63	0	0	0	0	
SRev	CCGT-Gas	445	560	374	394	532	608	714	904	1158	1140	1175	1179	1149	1194	1285	1262	1256	764	348	186	229	213	153	344	283	305	325	282	301	332	305	271	323	489	319	412	253	207	457	408	287	335	168	147	191	300	170	111	
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
SRev	Co-Gen	-6	-6	-7	-8	-7	-8	-8	-8	-7	-7	-7	-7	-7	-9	-10	-9	-9	-7	-6	-4	-4	-2	-3	-1	-1	1	-1	1	-2	-2	0	-2	-2	-3	-2	-4	-4	-5	-2	-2	-6	-3	-5	-5	-6	-7	-5	-6	
Syncon		374	374	525	525	525	525	525	525	525	525	525	525	525	827	526	525	525	525	525	525	374	525	525	525	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	575	525	525	525	525	525	676	676	525	676
Hydro		312	310	210	368	380	386	375	386	381	364	365	364	363	381	409	376	122	252	379	366	367	500	241	261	382	382	384	383	384	382	386	381	383	385	379	383	379	377	182	236	393	380	374	503	382	381	512	372	
S.Reserve Total		1255	1328	1221	1414	1587	1682	1826	2014	2184	2435	2482	2431	2391	2450	2782	2749	2793	2246	1953	1767	1764	1631	1200	1413	1476	1757	1772	1733	1792	1717	1700	1664	1708	1841	1883	1969	1798	1744	1673	1314	1312	1320	1231	1339	1398	1596	1684	1789	