

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,556 MW
Hydro	2,001 MW
Distillate	0 MW
Total TNB	9,627 MW
Total IPP	9,623 MW
Total Co-Gen	5 MW
Total System	19,819 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	44,291	12.85 %
Gas	79,483	23.06 %
Hydro	17,366	5.04 %
Total TNB	141,140	40.94 %
ST-Coal	131,043	38.01 %
Gas	71,248	20.67 %
Total IPP	202,291	58.68 %
Co-Gen	583	0.17 %
Total Co-Gen	583	0.17 %
Total Generation	344,014	99.79 %
PLTG	-12	0.00 %
HVDC	-701	-0.20 %
Interconnection	-713	-0.21 %
Net Energy	344,727	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:	16:00:00 Hour
Total Set On Bus	17,388 MW
TNB Generation	7,027 MW
IPP Generation	9,388 MW
Spinning Reserve	950 MW
Maximum Demand	16,480 MW
Net Energy	344,727 MWH
Load Factor	87.16 %

Fuel Cost

Total Cost:	46,307,096.20 RM
Cost per Unit	14.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	534
Hydro	288
Syncon	388
Thermal	43
Total	1,253

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	102
GLGR	53
NPRI	146
PGGS	4
PGPS	47
SRDG	23
TJGS	199
Total TNB	574
KLPP	93
MPSS	58
PDPS	8
PGLA	104
PKLG	10
PLPS	90
SGRI	155
SKSP	49
Total IPP	566
Total Gas	1,140
Total Gas Required	1,140

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	13874	13314	12869	12366	12082	11823	11950	11979	12258	14074	14992	15699	15753	15435	16134	16422	16480	16150	14918	14492	15630	15599	15078	14894

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																											
TMGR	HY03	24	33	25	30	33	31	28	23	31	27	29	32	36	48	30	34	38	36	34	36	34	61	61	64	64	60	55	86	85	87	84	83	86	83	79	28	74	32	29	67	70	71	71	69	68	72	69	65			
UPIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	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	4	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		315	182	166	176	209	179	178	177	179	167	193	177	211	326	176	181	197	209	192	356	421	475	553	710	694	664	819	961	993	1190	1184	1148	1159	1147	913	1126	1189	932	911	1334	1539	1551	1544	1528	1520	1516	1375	1274			
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	0
PCUF	CUPG	6	7	6	7	5	8	8	8	7	8	9	8	9	9	9	9	8	7	6	5	6	5	5	5	5	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	7	6	6	5	6	5	6	7	
PCUF	CUFK	24	24	18	18	18	18	18	18	18	18	19	19	17	19	18	19	19	19	18	18	18	18	19	17	17	17	19	19	19	19	19	19	19	18	17	18	19	19	17	18	19	17	18	17	17	16	18	17	17		
Total Co-Gen		30	31	24	25	23	26	26	26	25	26	27	27	28	26	28	27	27	26	24	23	24	23	24	22	22	20	23	23	23	23	23	22	21	22	24	23	23	24	26	23	24	22	23	21	24	24	24	24	24		
Total Gen		13888	13724	13300	12995	12781	12522	12283	12150	12056	11942	11793	11746	11932	12160	11997	11900	12251	13275	14025	14595	15003	15427	15617	15842	15708	15592	15411	15731	16080	16346	16359	16383	16438	16439	16161	15568	14847	14468	14479	15116	15549	15559	15549	15380	15062	15129	14840	14444			
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-31	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30		
TIE-PLTG		43	19	14	-33	-59	-21	-54	6	3	-7	-1	15	11	64	47	22	22	-78	-19	16	40	5	-53	4	-16	46	4	-13	-24	-2	-34	-30	-13	-2	40	13	-41	-23	17	40	-52	-15	-21	-24	13	64	-24	69			
Interconnection		14	-10	-14	-62	-88	-80	-83	-23	-26	-36	-30	-14	-18	35	18	-7	-7	-107	-49	-14	11	-24	-82	-25	-45	16	-24	-42	-54	-32	-63	-59	-42	-31	11	-18	-71	-52	-13	11	-81	-44	-50	-53	-16	35	-54	39			
System Total		13874	13734	13314	13057	12869	12572	12366	12173	12082	11978	11823	11760	11950	12125	11979	11907	12258	13382	14074	14609	14992	15451	15699	15867	15753	15576	15435	15773	16134	16378	16422	16442	16480	16470	16150	15586	14918	14520	14492	15105	15630	15603	15599	15433	15078	15094	14894	14405			
SRev ST-Coal		95	24	58	20	-36	19	54	27	15	52	230	263	239	218	175	160	14	11	31	43	46	14	30	31	128	124	109	44	34	161	175	51	11	-13	42	189	63	15	10	16	-2	-1	15	12	17	20	11	33			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	2	11	3	1	1	0	0	9	91	52	98	106	73	106	106	106	108	180	201	203	201	203	228	146	107	97	0	0	
SRev CCGT-Gas		917	875	1215	1534	1835	2093	2277	2436	2543	2609	2607	2605	2478	2382	2442	2558	2657	2073	1274	855	754	422	286	307	330	418	773	486	299	245	321	260	166	341	632	628	542	605	716	574	373	373	359	488	541	332	397	533			
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		-19	-20	-13	-14	-12	-15	-15	-14	-15	-16	-16	-17	-15	-17	-16	-16	-15	-13	-12	-13	-12	-13	-11	-11	-9	-12	-12	-12	-12	-12	-12	-11	-10	-11	-13	-12	-12	-13	-15	-12	-13	-11	-12	-10	-13	-13	-10	-13			
Syncon		953	953	953	953	953	953	802	953	953	802	953	802	802	651	651	651	651	500	500	500	500	500	500	500	500	500	500	414	414	414	414	414	414	86	86	212	212	0	0	0	0	0	0	0	0	0	0	0			
Hydro		141	124	140	130	97	127	128	280	127	139	264	129	246	131	130	125	109	248	249	252	337	283	205	199	215	245	265	273	245	234	240	276	265	277	411	526	338	594	615	429	299	350	357	373	381	385	526	527			
S.Reserve Total		2087	1956	2353	2623	2837	3177	3397	3530	3624	3738	3887	3934	3748	3518	3683	3780	3717	3119	2359	1789	1774	1360	1170	1029	1163	1279	1635	1291	1075	1133	1190	1087	950	1081	1620	1524	1247	1522	1721	1207	858	911	921	1090	1073	834	1018	1080			