

Availability at Daily Maximum Demand Hour

ST-Coal	2,990 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,506 MW
Hydro	1,790 MW
Distillate	0 MW
Total TNB	10,286 MW
Total IPP	11,074 MW
Total Co-Gen	40 MW
Total System	21,682 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,033	21.83 %
Gas	65,408	21.30 %
Hydro	9,981	3.25 %
Total TNB	142,422	46.38 %
ST-Coal	124,035	40.39 %
Gas	39,444	12.84 %
Total IPP	163,479	53.24 %
Co-Gen	828	0.27 %
Total Co-Gen	828	0.27 %
Total Generation	306,729	99.89 %
PLTG	396	0.13 %
EGAT	-33	-0.01 %
HVDC	-714	-0.23 %
Interconnection	-351	-0.11 %
Net Energy	307,080	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:	21:00:00 Hour
Total Set On Bus	15,648 MW
TNB Generation	6,762 MW
IPP Generation	7,718 MW
Spinning Reserve	1,133 MW
Maximum Demand	14,576 MW
Net Energy	307,080 MWH
Load Factor	87.78 %

Fuel Cost

Total Cost:	37,630,922.45 RM
Cost per Unit	12.68 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	496
Hydro	631
Syncon	288
Thermal	336
Total	1,751

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	51
GLGR	53
NPRI	140
SRDG	4
TJGS	201
Total TNB	450
KLPP	57
PGLA	59
PLPS	75
PTEK	4
SGRI	118
Total IPP	313
Total Gas	762
Total Gas Required	762

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	13856	13446	12991	12369	11908	11692	11808	11428	10738	11398	11973	12645	12727	12735	13081	13284	13140	12965	12608	12789	14333	14576	14460	14184

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
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
BSIA	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
BSIA	HY02	24	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	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
KNRG	HY02	25	25	25	24	25	26	25	25	26	24	24	25	26	22	21	21	22	23	23	24	23	24	23	23
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY02	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	70	55	55	51	52	100	64	52	79	58	55	104	93	63	53	41	46	103	52	52	103	56	57	53
LPIA	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
LPIA	HY02	16	14	15	16	15	13	15	14	15	16	15	16	16	16	15	15	16	16	16	16	16	16	16	16
MNOR	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
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	34	30	31	27	31	38	33	32	37	33	30	43	39	0	0	0	0	0	0	0	0	0	0	0
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
UPIA	HY02	5	5	5	6	5	5	5	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		533	159	161	153	157	211	171	158	192	166	158	223	209	171	179	136	148	225	162	163	249	193	756	797
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	CUFK	16	16	15	16	15	15	16	16	15	17	16	16	16	15	16	16	16	17	17	17	17	16	16	16
PCUF	CUFK	18	19	19	18	18	18	18	18	18	18	18	18	18	19	19	18	18	18	18	18	18	19	19	19
Total Co-Gen		34	35	34	34	33	33	34	33	35	34	34	34	32	34	33	35	35	35	35	35	35	34	34	34
Total Gen		13835	13470	13414	13247	12967	12642	12380	12340	11901	11832	11710	11718	11758	11669	11480	11025	10798	10995	11403	11579	11963	12226	12270	12635
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	-29	-29	-33	-33	-32	-32	-31	-29	-30	-30	-30	-29	-29	-29	-30	-30	-30	-30	-28	-28
TIE-PLTG		9	-58	-3	85	6	5	40	39	26	58	50	-25	-19	17	81	110	89	-17	34	34	20	-17	103	51
Interconnection		-21	-88	-32	56	-24	-24	11	10	-7	26	18	-57	-50	-12	52	80	60	-47	5	5	-10	-47	75	22
System Total		13856	13558	13446	13191	12991	12666	12369	12330	11908	11806	11692	11775	11808	11681	11428	10945	10738	11042	11398	11574	11973	12273	12645	12613
SRev ST-Coal		109	92	125	203	104	109	120	228	158	131	160	151	131	124	189	345	531	409	476	407	309	334	331	463
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

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																								
SRev CCGT-Gas		212	222	248	327	579	349	435	551	1140	1212	1447	1625	1596	1649	1784	2024	1997	1890	1437	1451	1251	954	913	906	827	687	628	497	431	436	447	466	454	571	628	810	952	1187	935	430	151	305	135	126	279	161	148	256
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
SRev Co-Gen		6	5	6	6	7	7	7	6	7	5	6	6	6	8	6	7	5	3	5	4	5	3	6	7	7	7	5	5	5	5	6	6	6	6	3	5	4	4	5	5	5	6	5	5	4	6	5	4
Syncon		615	802	802	802	802	802	802	802	802	802	802	802	802	802	651	802	802	802	802	802	651	651	101	101	101	101	101	202	202	288	288	288	288	414	414	651	651	651	651	651	449	449	449	449	449	550	550	550
Hydro		386	138	136	144	140	86	126	139	105	131	139	74	88	126	269	161	149	72	135	134	199	255	877	836	976	948	714	699	404	450	604	635	616	632	446	442	475	480	509	439	277	348	307	324	328	302	342	350
S.Reserve Total		1343	1274	1332	1497	1647	1368	1505	1741	2227	2296	2569	2673	2638	2724	2914	3354	3499	3191	2870	2813	2430	2212	2243	2328	2198	2341	2104	1902	1739	1664	1845	1778	1882	1936	2118	2301	2477	2720	2494	1800	1287	1277	1133	1133	1292	1281	1338	1363