

Availability at Daily Maximum Demand Hour

ST-Coal	1,560 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,885 MW
Hydro	2,023 MW
Distillate	0 MW
Total TNB	7,468 MW
Total IPP	9,995 MW
Total Co-Gen	0 MW
Total System	17,463 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	32,978	11.55 %
Gas	70,610	24.73 %
Hydro	11,374	3.98 %
Total TNB	114,962	40.27 %
ST-Coal	102,815	36.01 %
ST-Gas	4,060	1.42 %
ST-Oil	4,313	1.51 %
Gas	59,051	20.68 %
Total IPP	170,239	59.63 %
Co-Gen	1,275	0.45 %
Total Co-Gen	1,275	0.45 %
Total Generation	286,476	100.35 %
PLTG	260	0.09 %
HVDC	729	0.26 %
Interconnection	989	0.35 %
Net Energy	285,487	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	14,650 MW
TNB Generation	5,222 MW
IPP Generation	8,166 MW
Spinning Reserve	1,208 MW
Maximum Demand	13,382 MW
Net Energy	285,487 MWH
Load Factor	88.89 %

Fuel Cost

Total Cost:	38,474,212.90 RM
Cost per Unit	13.98 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	377
Hydro	223
Syncon	549
Thermal	101
Total	1,250

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	55
NPRI	70
PAKA	178
PGPS	29
SRDG	2
TJGS	196
Total TNB	533
KLPP	102
PGLA	81
PKLG	2
PLPS	83
SGB3	44
SGRI	157
SKSP	3
PKLG	42
Total IPP	514
Total Gas	1,047
Total Gas Required	1,090

Alternate Fuel Usage

Station	(mmscfd)
PKLG	44
Total	44

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	12611	12149	11677	11351	10904	10816	10882	10653	10247	10883	11432	11982	12044	11925	12204	12408	12326	12163	11754	12515	13382	13338	12947	12770

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
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	HY02	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	82	81	82	76	82	81	27	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	82	80	82	77	81	81	28	31	30	38	30	30	33	34	25	37	35	30	29	28	36	30	31	30
TMGR	HY03	84	83	85	79	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	80	79	80	75	79	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	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
Total Hydro		1279	1090	1030	918	694	560	365	272	270	320	293	285	294	310	262	316	295	443	280	204	222	222	472	471
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	CUFG	22	21	21	22	23	20	21	23	23	22	22	23	22	24	23	26	25	24	26	26	25	28	24	24
PCUF	CUFK	31	29	29	30	30	31	30	31	30	31	31	30	30	30	29	30	29	30	29	30	29	32	30	30
Total Co-Gen		53	50	50	52	53	51	51	54	53	53	53	52	54	54	55	56	54	54	55	56	54	53	53	54
Total Gen		12670	12419	12232	12043	11700	11573	11368	11159	10987	10920	10861	10874	10899	10863	10728	10547	10226	10590	10923	11194	11467	11742	12046	12136
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		31	31	30	30	31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	30	30	30	30	30
TIE-PLTG		28	-31	53	16	-7	18	-13	16	53	-98	15	-29	-13	-23	44	24	-52	-15	9	10	5	68	34	
Interconnection		59	0	83	46	23	49	17	47	83	-68	45	1	17	7	75	55	-21	15	40	40	35	98	64	
System Total		12611	12419	12149	11997	11677	11524	11351	11112	10904	10998	10816	10873	10882	10856	10653	10292	10247	10575	10883	11154	11432	11644	11982	12136
SRev ST-Coal		97	104	101	101	93	85	96	108	114	91	102	90	96	97	95	291	292	283	89	109	87	91	104	97
SRev ST-Oil		2	2	0	0	1	1	1	62	69	68	69	68	69	69	70	33	30	30	31	43	20	-18	0	0
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
SRev CCGT-Gas		915	738	518	599	468	438	439	751	885	885	995	987	966	941	1031	1279	1373	1164	865	501	484	320	278	
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
SRev Co-Gen		-53	-50	-50	-52	-53	-51	-51	-54	-53	-53	-53	-52	-54	-52	-56	-54	-54	-55	-56	-54	-53	-53	-54	-52
Syncon		101	252	353	353	504	655	741	827	827	827	827	827	827	827	827	827	172	726	737	737	737	737	737	
Hydro		370	308	267	254	177	75	184	113	115	65	243	100	91	75	123	69	90	597	125	133	115	115	116	
S.Reserve Total		1432	1354	1189	1255	1190	1203	1410	1746	1950	1884	2031	2020	1996	1954	2093	2479	2598	2195	1778	1454	1400	1253	1201	