

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,199 MW
Hydro	1,505 MW
Distillate	0 MW
Total TNB	8,094 MW
Total IPP	10,315 MW
Total Co-Gen	0 MW
Total System	18,409 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	51,439	17.02 %
Gas	61,638	20.40 %
Hydro	15,732	5.21 %
Total TNB	128,809	42.63 %
ST-Coal	90,660	30.00 %
ST-Gas	1,222	0.40 %
ST-Oil	557	0.18 %
Gas	79,558	26.33 %
Distillate	1,739	0.58 %
Total IPP	173,736	57.50 %
Co-Gen	387	0.13 %
Total Co-Gen	387	0.13 %
Total Generation	302,932	100.26 %
PLTG	43	0.01 %
HVDC	728	0.24 %
Interconnection	771	0.26 %
Net Energy	302,161	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	15,174 MW
TNB Generation	6,383 MW
IPP Generation	7,835 MW
Spinning Reserve	955 MW
Maximum Demand	14,252 MW
Net Energy	302,161 MWH
Load Factor	88.34 %

Fuel Cost

Total Cost:	41,918,384.28 RM
Cost per Unit	14.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	388
Hydro	223
Syncon	397
Thermal	63
Total	1,071

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	2
CBPS	57
GLGR	58
PAKA	149
PGPS	34
SRDG	9
TJGS	168
Total TNB	478

KLPP	60
MPSS	63
PDPS	1
PGLA	107
PKLG	2
PLPS	99
PTEK	1
SGRI	145
YPGS	31
YPKA	121
PKLG	15
Total IPP	645

Total Gas 1,123
Total Gas Required 1,144
Alternate Fuel Usage

Station	(mmscfd)
PDPS	6
PTEK	5
KLPP	7
PKLG	3
Total	21

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	13647	13214	12703	12319	11909	11523	11623	11229	10684	11315	11907	12494	12677	12475	12829	12842	12887	12675	12355	12608	13977	14252	14075	13641

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	
PGAU	HY03	21	84	22	82	23	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0
PGAU	HY04	80	112	111	81	81	81	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	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
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
SIHY	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	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16
TMGR	HY02	86	86	85	85	85	85	80	60	32	34	34	34	35	28	32	35	39	33	37	38	39	33	35	35	25
TMGR	HY03	80	83	79	78	80	79	79	73	59	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	78	78	78	79	78	71	71	66	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	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	4
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		918	1113	953	978	920	926	843	807	739	622	431	354	360	361	210	219	226	257	218	227	228	514	494	592	
KLPP	GT13	130	130	130	130	128	128	129	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	105	105	105	106	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	103	103	103	103	104	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	106	105	106	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	107	106	105	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		551	549	549	550	275	232	129	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	31	32	33	32	33	32	32	31	30	32	31	32	32	32	33	33	32	32	32	32	30	29	30	4	0
Total Co-Gen		31	32	33	32	33	32	32	31	30	32	31	32	32	33	33	32	32	32	32	30	29	30	4	0	
Total Gen		13701	13572	13307	12930	12741	12553	12318	12228	11888	11693	11569	11494	11648	11660	11352	10870	10736	11110	11319	11645	11876	12316	12493	12670	
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
TIE-HVDC		30	30	31	31	30	30	31	31	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31
TIE-PLTG		24	-11	63	-38	8	-30	-32	106	-52	-50	16	-48	-4	-37	92	0	21	-7	-26	-62	-61	-45	-31	-35	
Interconnection		54	19	93	-8	38	0	-1	137	-21	-19	46	-18	25	-7	123	31	52	23	4	-32	-31	-15	-1	-6	
System Total		18647	13553	13214	12938	12703	12553	12319	12091	11909	11712	11523	11512	11623	11667	11229	10839	10684	11087	11315	11677	11907	12331	12494	12676	
SRev ST-Coal		32	60	30	65	23	16	27	61	91	95	107	97	97	69	48	27	36	18	38	-3	7	2	28	17	
SRev ST-Oil		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 OCGT-Gas		79	2	2	27	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		966	1010	1106	1130	1064	690	740	759	702	1193	1113	1057	1046	1063	1056	1569	1701	1375	1107	831	734	644	420	353	
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
SRev Distillate		28	30	30	29	86	20	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		13	12	11	12	11	12	12	13	14	12	12	12	12	12	12	11	11	12	12	12	14	15	14	40	44
Syncon		0	0	0	0	0	151	151	453	539	726	726	726	726	827	827	827	676	827	827	827	625	625	302	453	453
Hydro		416	221	381	356	414	408	340	376	142	173	99	76	70	69	119	110	103	223	111	102	101	117	135	260	
S.Reserve Total		1534	1335	1560	1619	1601	1146	1284	1374	1402	2012	2058	2068	2051	2039	2062	2544	2678	2304	2095	1769	1681	1402	1223	1046	