

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,846 MW
Hydro	1,840 MW
Distillate	0 MW
Total TNB	8,076 MW
Total IPP	10,332 MW
Total Co-Gen	0 MW
Total System	18,408 MW

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:	15:30:00 Hour
Total Set On Bus	17,212 MW
TNB Generation	6,832 MW
IPP Generation	9,229 MW
Spinning Reserve	1,131 MW
Maximum Demand	16,049 MW
Net Energy	337,586 MWH
Load Factor	87.64 %

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	54
PAKA	156
PGPS	35
SRDG	14
TJGS	195
Total TNB	500
KLPP	80
MPSS	57
PDPS	2
PGLA	92
PKLG	4
PLPS	103
SGB3	77
SGRI	168
YPGS	70
YPKA	136
Total IPP	788
Total Gas	1,288
Total Gas Required	1,394

Alternate Fuel Usage

Station	(mmscfd)
PKLG	106
Total	106

Generation Mix

Type	MWh	Percentage
ST-Coal	52,568	15.57 %
Gas	64,691	19.16 %
Hydro	18,723	5.55 %
Total TNB	135,982	40.28 %
ST-Coal	90,811	26.90 %
ST-Oil	10,736	3.18 %
Gas	100,008	29.62 %
Total IPP	201,555	59.70 %
Co-Gen	619	0.18 %
Total Co-Gen	619	0.18 %
Total Generation	338,156	100.17 %
PLTG	-157	-0.05 %
HVDC	727	0.22 %
Interconnection	570	0.17 %
Net Energy	337,586	100.00 %

Fuel Cost

Total Cost:	53,314,515.81 RM
Cost per Unit	16.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	391
Hydro	405
Syncon	312
Thermal	40
Total	1,148

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	25

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	13517	12654	12322	11945	11677	11585	11861	12016	12287	14045	14982	15546	15519	15197	15767	15977	15921	15590	14505	14368	15295	15255	14823	14480

Daily MW Generation on Thursday

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													
LPIA	HY01	9	9	8	8	9	8	9	9	9	9	9	9	8	9	8	8	9	9	9	9	9	9	8	8	8	9	9	9	9	9	8	9	8	8			
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
MNOR	HY01	5	5	5	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	2	2	5	5	5	5	5	5			
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	20	20	21	0	0	-1	-1						
PGAU	HY02	-1	22	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	21	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1				
PGAU	HY03	-1	-1	-1	0	0	0	-1	-1	22	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-1	23	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
PGAU	HY04	-1	-1	-1	0	23	-1	0	-1	0	24	-1	0	0	0	0	0	23	0	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	0	0	0	0	50	50	50	50	50	0	0	0	30	30	30	30		
SIHY	HY02	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	0	7	50	50	50	50	0	0	0	30	30	30	30		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	0	0	0	0	25	25	25	25	25	0	0	0	16	16	16	16		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	22	0	0	0	0	0	25	25	25	25	25	0	0	0	16	16	16	16		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	25	25	25	25	25	0	0	0	16	16	16	16		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	25	25	25	25	25	0	0	0	16	16	16	16		
TMGR	HY01	76	36	33	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	46	69	70	73	67	70	70	74	74	73	74	70	67	69	69	70	65	68	69			
TMGR	HY02	76	37	33	33	35	33	34	27	41	38	39	40	45	46	43	34	43	41	38	34	48	70	71	69	67	70	74	74	74	71	67	69	69				
TMGR	HY03	75	34	32	32	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	48	69	68	67	68	68	73	75	74	74	70	67	68	68	69	65	67		
TMGR	HY04	73	38	34	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	47	68	68	67	65	67	67	71	72	71	71	68	65	67	67	67	64	66		
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	2	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	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Total Hydro		889	694	620	619	555	516	526	499	423	403	392	418	428	431	396	374	504	516	506	475	641	889	1047	1046	1017	872	826	876	912	1087	1103	1117	1097	1082	1082		
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	
PCUF	CUFG	2	2	3	3	2	2	2	1	2	1	2	2	2	1	1	-1	-1	-1	-1	-1	-1	1	-1	-1	0	-1	-1	-1	0	0	0	0	0	0	-1		
PCUF	CUFK	29	27	27	29	27	26	27	26	28	27	26	26	26	25	28	30	28	28	26	25	24	24	24	21	21	21	22	21	20	20	21	21	23	21	23	23	
Total Co-Gen		31	29	30	32	29	28	29	28	29	27	28	28	27	31	32	30	30	27	26	23	23	23	22	20	20	23	20	19	20	20	20	22	20	23	23		
Total Gen		13478	13066	12669	12566	12319	12083	11995	11909	11624	11509	11554	11666	11841	12097	12055	11897	12322	13312	14038	14578	15008	15393	15610	15696	15662	15299	15230	15486	15791	16078	16041	16081	15976	15931	15701		
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	
TIE-HVDC		29	29	31	31	30	30	31	31	30	30	30	31	31	31	31	31	30	30	30	30	30	30	30	29	29	31	31	31	31	31	31	31	31	31	31	31	
TIE-PLTG		-68	-74	-16	-25	-33	-49	19	41	-83	-13	-61	-40	-50	-23	8	70	4	-17	-38	-36	-4	-21	33	0	53	-18	-4	-3	-7	7	33	1	24	24	81		
Interconnection		-39	-45	15	6	-3	-19	50	72	-53	16	-31	-10	-20	8	39	101	35	14	-7	-6	26	9	64	30	83	12	33	26	24	38	64	32	55	55			
System Total		13517	13111	12654	12589	12322	12102	11945	11837	11677	11493	11585	11676	11861	12089	12016	11796	12287	13298	14045	14584	14982	15384	15546	15666	15519	15287	15197	15460	15767	16040	15977	16049	15921	15876	15990		
S.Rev ST-Coal		45	19	29	75	72	76	76	101	72	73	64	70	-3	-32	20	32	10	12	16	36	21	3	61	67	77	71	58	31	64	47	58	49	67	33	33		
S.Rev ST-Oil		1	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
S.Rev 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
S.Rev CCGT-Gas		1115	805	772	831	843	995	1027	1056	1298	1392	1340	1252	1216	990	949	1075	1246	989	674	531	377	256	296	293	346	511	550	377	219	202	270	259	398	308	389		
S.Rev 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
S.Rev Co-Gen		57	59	58	56	59	60	59	60	59	61	60	60	17	13	12	14	14	17	18	21	21	22	24	24	21	21	24	25	24	24	24	22	24	21	21		
Syncon		453	302	302	0	172	409	258	560	560	258	409	409	560	258	258	172	172	172	172	0	453	453	453	453	453	604	604	302	453	453	151	0	151	302			
Hydro		104	350	274	277	234	121	112	137	87	259	119	243	82	81	116	138	157	145	305	186	277	179	296	297	326	271	166	116	382	236	240	378	399	263			
S.Reserve Total		1775	1535	1435	1539	1691	1884	1901	1983	2145	2260	2212	2102	1983	1834	1876	2134	2122	1793	1486	1393	1146	914	1130	1205	1299	1402	1471	1225	1152	1065	1171	1131	1305	1138			