

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,742 MW
Hydro	1,960 MW
Distillate	0 MW
Total TNB	8,782 MW
Total IPP	9,343 MW
Total Co-Gen	0 MW
Total System	18,125 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,185	20.28 %
Gas	73,417	21.83 %
Hydro	19,597	5.83 %
Total TNB	161,199	47.94 %
ST-Coal	74,120	22.04 %
ST-Gas	360	0.11 %
ST-Oil	10,420	3.10 %
Gas	89,375	26.58 %
Total IPP	174,275	51.83 %
Co-Gen	1,420	0.42 %
Total Co-Gen	1,420	0.42 %
Total Generation	336,894	100.18 %
PLTG	-107	-0.03 %
HVDC	729	0.22 %
Interconnection	622	0.18 %
Net Energy	336,272	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:	14:30:00 Hour
Total Set On Bus	17,608 MW
TNB Generation	7,795 MW
IPP Generation	8,725 MW
Spinning Reserve	1,034 MW
Maximum Demand	16,614 MW
Net Energy	336,272 MWH
Load Factor	84.33 %

Fuel Cost

Total Cost:	54,109,097.92 RM
Cost per Unit	17.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	413
Hydro	222
Syncon	421
Thermal	126
Total	1,182

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	39
CBPS	45
GLGR	55
PAKA	160
PGGS	7
PGPS	39
SRDG	21
TJGS	218
Total TNB	585

KLPP	3
MPSS	59
PDPS	36
PGLA	112
PKLG	25
PLPS	102
PTEK	30
SGB3	82
SGRI	164
YPKA	116
PKLG	4
Total IPP	734

Total Gas 1,319

Total Gas Required 1,421

Alternate Fuel Usage

Station	(mmscfd)
PKLG	103
Total	103

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	12795	12195	11785	11363	11224	11129	11099	11373	12292	14396	15294	16024	16097	15729	16235	16471	16260	15756	14648	14457	15197	14944	14502	14105

Daily MW Generation on Monday

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
KNRG	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
KNRG	HY03	36	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	94	94	94	94	60	63	60	59	59	0	0	0	0	94	93	93	93	93	93	93	93	93	93	93
KNYR	HY02	96	96	97	96	97	89	75	58	55	55	54	99	99	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY03	94	94	94	94	95	0	0	0	0	0	0	0	0	95	94	94	95	94	94	94	94	94	94	94
KNYR	HY04	94	94	94	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	96	96	95	94	94	94	94	94	94	94
LPIA	HY01	8	8	8	8	8	8	8	7	7	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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
MNOR	HY01	5	5	5	5	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	4	4	5	5	0
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	24	22	22	22	22	22	22
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	30	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	30	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	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	-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	82	32	34	36	31	28	32	31	29	28	27	36	38	40	37	39	29	68	67	65	75	69	72	69
TMGR	HY03	82	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	-1	-1	-1	-1	-1	-1	-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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		756	529	532	510	409	269	263	263	234	233	171	230	231	441	348	328	457	592	887	870	935	1009	1047	1112
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	37	36	38	37	37	38	36	38	38	37	36	37	38	39	37	37	37	35	34	35	34	34	34	34
PCUF	CUFK	26	28	28	28	29	28	30	30	29	28	29	29	31	30	31	30	29	28	25	25	23	20	22	21
Total Co-Gen		63	64	66	65	66	66	66	68	67	65	67	66	67	67	69	69	67	66	65	60	57	58	54	56
Total Gen		12800	12460	12360	12077	11882	11676	11402	11331	11255	11202	11182	11133	11109	11458	11430	11565	12393	13507	14449	14976	15279	15691	16013	16134
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		30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTG		-25	-10	35	27	67	-43	9	18	1	22	-23	-20	-21	3	27	-38	71	-57	23	-6	-46	-12	-42	
Interconnection		5	20	65	58	97	-13	39	47	31	53	53	11	10	34	57	-8	101	-27	53	25	-15	18	-11	
System Total		12795	12440	12195	12019	11785	11689	11363	11284	11224	11149	11129	11122	11099	11424	11373	11575	12292	13534	14396	14951	15294	15673	16024	16116
SRev ST-Coal		42	63	70	76	87	129	112	115	117	131	117	28	38	33	20	23	61	-54	41	88	66	103	108	
SRev ST-Oil		3	6	3	8	6	69	76	74	74	76	75	75	75	75	75	75	75	83	19	3	5	5	5	
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		512	588	627	627	719	742	835	883	928	958	1063	1259	1275	1056	1108	1141	880	370	433	320	255	164	120	
SRev ST-Gas		37	38	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-19	-20	-22	-21	-22	-22	-24	-23	-21	-23	-22	-23	-23	-25	-25	-23	-22	-21	-16	-13	-14	-10	-12	
Syncon		625	625	625	625	726	726	575	726	726	726	726	474	474	625	625	453	302	453	453	453	453	453	453	453
Hydro		81	84	81	103	103	143	149	300	178	179	141	82	81	123	216	85	156	193	410	276	211	337	299	
S.Reserve Total		1281	1469	1506	1540	1741	1872	1961	2088	2085	2134	2285	2333	2357	1923	2053	2109	1859	1100	1295	1261	1008	1256	1073	