

Availability at Daily Maximum Demand Hour

ST-Coal	2,800 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,914 MW
Hydro	1,858 MW
Distillate	0 MW
Total TNB	<u>8,572 MW</u>
Total IPP	<u>9,903 MW</u>
Total Co-Gen	0 MW
Total System	<u>18,475 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Coal	68,094	19.79 %
Gas	76,384	22.19 %
Hydro	16,326	4.74 %
Total TNB	160,804	46.72 %
ST-Coal	79,382	23.07 %
ST-Gas	3,367	0.98 %
Gas	100,992	29.34 %
Total IPP	183,741	53.39 %
Co-Gen	856	0.25 %
Total Co-Gen	856	0.25 %
Total Generation	345,401	100.36 %
PLTG	511	0.15 %
HVDC	729	0.21 %
Interconnection	1,240	0.36 %
Net Energy	344,161	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:	14:30:00 Hour
Total Set On Bus	17,595 MW
TNB Generation	7,603 MW
IPP Generation	8,806 MW
Spinning Reserve	1,150 MW
Maximum Demand	16,398 MW
Net Energy	344,161 MWH
Load Factor	87.45 %

Fuel Cost

Total Cost:	56,980,145.90 RM
Cost per Unit	17.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	443
Hydro	408
Syncon	349
Thermal	41
Total	1,241

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	25
CBPS	57
GLGR	57
PAKA	137
PGGS	3
PGPS	49
SRDG	41
TJGS	217
Total TNB	586
KLPP	98
MPSS	32
PDPS	39
PGLA	113
PKLG	22
PLPS	105
PTEK	35
SGB3	36
SGRI	208
SKSP	56
YPKA	67
PKLG	32
Total IPP	842
Total Gas	1,428
Total Gas Required	1,428

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	14090	13269	12874	12407	12156	12006	12328	12002	12782	14488	15413	16002	15919	15571	16091	16239	16115	15695	14671	14323	15226	15374	14835	14393

Daily MW Generation on Tuesday

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	HY03	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	99	97	99	97	99	94	94	98	99	99
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	101	99	101	101	102	101	100	100	92	99
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	90	60	73	97	100	100	94	93	98	99	99
KNYR	HY04	55	62	61	61	62	63	57	55	49	47	49	62	58	58	61	65	96	100	61	100	67	100	100	55
LPIA	HY02	16	15	16	15	15	16	15	15	16	16	15	15	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	19	19	19	19	0	0	0	0	0	0	0	0	22	22	21	21	21	21	22	22	21	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	22	19	19	21	21	-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	22	-1	-1	-1	-1	22	22	22	22	22	22	22	22	22	22
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
SIHY	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
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
SYPS	HY01	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	25	0	0	0	0	0	0	0	0	25	13	13	14	15	15	15	15	15	15	15
TMGR	HY01	79	85	85	85	0	0	0	0	0	0	0	0	0	72	85	77	83	78	85	83	77	76	83	81
TMGR	HY02	80	87	86	85	86	-1	-1	-1	-1	-1	-1	-1	-1	74	84	81	85	80	85	83	78	76	81	82
TMGR	HY03	80	87	87	79	32	-1	-1	-1	-1	-1	-1	-1	-1	74	85	80	85	80	85	83	78	77	80	82
TMGR	HY04	77	81	82	81	80	74	73	68	66	69	82	80	32	35	38	71	81	77	80	76	81	79	75	74
UPIA	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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		650	677	678	671	521	309	304	292	287	277	273	299	281	277	250	246	253	856	1001	907	1003	1040	1108	1096
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	19	18	18	19	18	19	19	19	18	22	22	22	22	21	20	20	20	20	19	19	18	18	20	20
PCUF	CUFK	5	16	16	18	17	15	16	18	16	18	17	16	17	14	16	15	16	14	15	16	16	16	16	16
Total Co-Gen		24	34	34	37	35	36	34	35	37	35	36	39	41	38	39	38	39	35	38	37	36	36	34	36
Total Gen		14182	13659	13291	13124	12929	12680	12495	12274	12221	12149	12147	12043	12361	12266	12060	12145	12793	13883	14513	15015	15478	15830	16068	16236
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	30	30	30	31	30	30	30	31	31	30	30	30	30	30	31	31	30	30	31	31
TIE-PLTG		62	10	-8	-33	25	-62	58	84	35	67	110	27	3	4	27	41	-19	156	-6	41	35	-36	36	10
Interconnection		92	41	22	-2	55	-32	88	114	65	97	141	58	33	34	58	72	11	186	25	71	65	-6	66	40
System Total		14090	13618	13269	13126	12874	12712	12407	12160	12156	12052	12006	11985	12328	12232	12002	12073	12782	13697	14488	14944	15413	15836	16002	16196
SRev ST-Coal		56	49	61	-84	-112	-62	-24	-20	14	29	27	33	21	-36	6	86	97	8	37	70	40	18	108	112
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	145	85	177	287	93	161	271	422	556	551
SRev CCGT-Gas		419	248	605	559	560	468	578	784	800	845	846	973	651	796	954	829	516	448	328	296	104	86	113	112
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	32	33	33	36	37	37	42
SRev Co-Gen		52	42	42	39	41	40	42	41	39	41	40	37	35	38	37	38	37	41	38	39	40	40	42	40
Syncon		504	504	504	504	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829
Hydro		348	321	320	327	241	53	58	70	75	85	89	214	81	85	132	136	129	351	306	400	455	417	354	366
S.Reserve Total		1379	1164	1532	1345	1234	1328	1483	1704	1757	1829	1831	1935	1617	1712	1963	1923	1613	1185	1191	1227	1804	1188	1045	1129