

Availability at Daily Maximum Demand Hour

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,308 MW
Hydro	1,740 MW
Distillate	0 MW
Total TNB	8,078 MW
Total IPP	10,054 MW
Total Co-Gen	88 MW
Total System	18,220 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,185	13.75 %
Gas	81,869	23.85 %
Hydro	12,042	3.51 %
Total TNB	141,096	41.11 %
ST-Coal	88,158	25.68 %
ST-Gas	9,301	2.71 %
ST-Oil	1,854	0.54 %
Gas	102,941	29.99 %
Total IPP	202,254	58.92 %
Co-Gen	682	0.20 %
Total Co-Gen	682	0.20 %
Total Generation	344,032	100.23 %
PLTG	62	0.02 %
HVDC	728	0.21 %
Interconnection	790	0.23 %
Net Energy	343,242	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:	15:00:00 Hour
Total Set On Bus	17,619 MW
TNB Generation	7,020 MW
IPP Generation	9,385 MW
Spinning Reserve	1,190 MW
Maximum Demand	16,366 MW
Net Energy	343,242 MWH
Load Factor	87.38 %

Fuel Cost

Total Cost:	59,234,743.24 RM
Cost per Unit	17.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	338
Hydro	195
Syncon	517
Thermal	42
Total	1,092

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	32
CBPS	50
GLGR	57
PAKA	193
PGPS	44
SRDG	51
TJGS	222
Total TNB	649
KLPP	107
MPSS	65
PDPS	38
PGLA	111
PKLG	12
PLPS	97
PTEK	13
SGB3	98
SGRI	76
YPGS	70
YPKA	135
PKLG	92
Total IPP	913
Total Gas	1,562
Total Gas Required	1,581

Alternate Fuel Usage

Station	(mmscfd)
PKLG	19
Total	19

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	13844	13283	12634	12287	12079	11988	12130	12184	12303	14257	15205	15714	15736	15453	16084	16367	16256	15878	14796	14434	15485	15306	14874	14422

Daily MW Generation on Wednesday

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
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	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
KNRG	HY02	25	24	24	24	24	25	25	24	24	24	24	24	22	22	22	22	22	23	24	25	25	24	23	25
KNRG	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
KNYR	HY01	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	95	95	95	94	95	95	95	95	95	95	92
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	99	99	99	99	99	99	99	99
KNYR	HY03	81	0	0	0	0	0	0	0	0	0	0	0	98	97	97	97	97	97	97	97	97	97	97	97
KNYR	HY04	78	67	68	63	61	99	80	69	72	72	66	62	98	71	61	61	63	98	64	67	97	97	97	97
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
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	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	20	-1	-1	-1	-1	6	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	-1	-1	-1	-1	-1	-1	20	-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
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	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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TMGR	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro		365	207	209	182	180	219	200	195	212	191	188	183	219	213	204	178	179	377	476	479	550	699	797	1003
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	3	4	4	4	3	3	4	4	4	4	4	3	2	1	5	6	7	6	6	6	5	8	9	9
PCUF	CUFK	20	20	22	25	22	21	22	23	22	25	24	23	23	24	24	23	23	25	23	22	20	17	19	20
Total Co-Gen		23	24	26	29	26	24	25	27	26	26	29	28	26	28	29	28	27	29	27	25	22	18	24	26
Total Gen		13984	13583	13525	12864	12607	12565	12308	12283	12060	11909	11949	11881	12118	12197	12232	12022	12387	13376	14289	14781	15140	15516	15747	16095
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	31	31	30	30	31	31	30	29	31	31	30	30	31	31	30	30	30	30	29	30
TIE-PLTG		110	-33	12	14	-58	-31	-10	-3	-50	-46	-69	-27	-45	18	17	5	24	-93	1	5	-95	-54	3	
Interconnection		140	-3	42	44	-27	0	21	27	-19	-15	-39	3	-15	49	48	35	54	-62	32	36	-65	-24	33	
System Total		13844	13586	13283	12820	12634	12565	12287	12256	12079	11924	11988	11848	12130	12148	12184	11987	12303	13438	14257	14745	15205	15540	15714	16020
SRev ST-Coal		61	27	48	54	67	73	74	84	84	74	63	76	65	58	69	38	78	61	85	32	27	7	42	
SRev ST-Oil		-1	-2	-2	40	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
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		240	325	212	353	489	444	674	694	950	1091	1085	1193	976	901	846	1255	1121	548	510	331	107	126	144	
SRev ST-Gas		0	0	0	35	40	38	37	37	37	38	38	38	38	38	37	37	35	13	1	-5	-11	16	4	
SRev Co-Gen		65	64	62	59	62	64	63	61	62	62	59	60	62	60	60	59	60	61	59	61	63	66	70	
Syncon		726	676	676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		140	248	246	122	124	85	104	260	243	113	118	123	87	244	253	128	127	130	132	129	360	134	145	
S.Reserve Total		1233	1340	1244	1492	1648	1870	1818	1851	2091	2244	2227	2354	2092	2014	1979	2381	2287	1598	1476	1330	1079	1198	1041	