

Availability at Daily Maximum Demand Hour

ST-Coal	2,010 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,215 MW
Hydro	1,849 MW
Distillate	0 MW
Total TNB	<u>8,074 MW</u>
Total IPP	<u>9,778 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>17,852 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Coal	49,541	14.80 %
Gas	82,367	24.61 %
Hydro	13,761	4.11 %
Total TNB	145,669	43.53 %
ST-Coal	88,825	26.54 %
ST-Oil	5,854	1.75 %
Gas	93,211	27.85 %
Total IPP	187,890	56.14 %
Co-Gen	1,461	0.44 %
Total Co-Gen	1,461	0.44 %
Total Generation	335,020	100.11 %
PLTG	-369	-0.11 %
HVDC	731	0.22 %
Interconnection	362	0.11 %
Net Energy	334,658	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:	16:00:00 Hour
Total Set On Bus	17,107 MW
TNB Generation	7,179 MW
IPP Generation	8,857 MW
Spinning Reserve	1,019 MW
Maximum Demand	16,036 MW
Net Energy	334,658 MWH
Load Factor	86.95 %

Fuel Cost

Total Cost:	60,086,318.00 RM
Cost per Unit	18.87 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	255
Hydro	176
Syncon	455
Thermal	29
Total	915

Time	Weather	Temperature
Afternoon	Hot	36
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
CBPS	47
CBPS	58
GLGR	61
PAKA	144
PGGS	6
PGPS	51
SRDG	71
TJGS	219
Total TNB	657

KLPP	89
MPSS	57
PDPS	55
PKLG	17
PLPS	121
PTEK	51
SGRI	190
SKSP	58
YPGS	70
YPKA	63
Total IPP	772
Total Gas	1,429

Total Gas Required 1,485

Alternate Fuel Usage

Station	(mmscfd)
PKLG	56
Total	56

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	13315	12757	12235	11883	11635	11410	11741	11699	12216	14026	14926	15498	15507	15260	15764	15914	16036	15534	14507	14369	15007	14767	14162	13888

Daily MW Generation on Wednesday

Table with columns: 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. Rows include various power stations like JMAH, JMIG, PKLG, TBN, CBPS, GLGR, KLPP, MPSS, PAKA, and SGRJ.

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	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HY01	35	36	36	0	0	0	0	0	0	35	36	33	33	35	35	35	35	35	34	34	35	35	0	0
KNRG	HY02	36	36	36	37	37	36	22	23	22	23	23	23	36	36	36	35	35	35	35	35	36	36	35	35
KNRG	HY03	36	36	36	37	37	37	21	23	22	22	21	22	23	24	37	36	36	36	36	36	36	36	21	21
KNYR	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
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	16	98	98	98	59	
KNYR	HY03	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	98	98	98	59	-1	
LPIA	HY01	8	10	9	9	8	9	7	9	8	8	7	8	8	9	7	8	7	8	10	9	9	9	9	8
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10
MNOR	HY01	4	4	4	4	4	4	1	1	1	1	1	1	1	3	3	3	3	6	6	6	6	6	6	6
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	80	22	21	20	80	81
PGAU	HY02	112	125	-1	-1	-1	121	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1
PGAU	HY03	112	124	29	-1	-1	120	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	83	-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	48	48	30	29	0	0	0	0	0	0	0	0	0	0	0	0	0	28	49	30	48	56	50	50
SIHY	HY02	50	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	0
SIHY	HY03	50	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	0
SYPS	HY01	25	25	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	16	16	16	16	25
SYPS	HY03	25	25	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	16	16	16	16	25
SYPS	HY04	25	25	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	16	16	16	16	25
TMGR	HY01	33	39	35	36	30	37	29	36	33	31	29	30	35	37	27	32	29	57	80	48	79	79	79	79
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	82	51	81	82	82	82
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	52	79	47	78	79	79
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	53	76	47	74	76	76	75
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	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		752	786	427	303	240	517	257	246	237	311	266	308	316	320	345	375	343	558	719	574	668	743	933	1027
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	CUFK	40	40	40	40	40	39	39	40	40	35	33	31	32	33	31	31	31	32	33	31	32	33	31	32
PCUF	CUFG	31	31	32	34	32	30	32	33	33	34	35	33	34	33	33	31	28	29	29	29	26	26	23	22
Total Co-Gen		71	71	72	74	72	70	71	72	73	74	70	66	66	65	67	65	66	62	59	60	61	60	58	59
Total Gen		13283	13048	12647	12464	12253	12168	11905	11778	11644	11623	11477	11680	11804	11855	11772	11599	12257	13191	13966	14509	15002	15313	15567	15748
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	31	31	31	29	31	31	30	30	30	31	31	30	30	30	31	31	31	30	31	31	30	30
TIE-PLTG		-63	-99	-142	-96	-13	-80	-7	-89	-21	-30	37	-37	33	-97	42	-55	10	-33	-91	-6	46	33	39	
Interconnection		-32	-69	-110	-64	18	-49	22	-59	9	0	67	-7	63	-66	73	-24	41	-2	-60	24	76	63	69	
System Total		13315	13117	12757	12528	12335	12217	11883	11837	11635	11623	11410	11687	11741	11921	11699	11623	12216	13193	14026	14485	14926	15250	15498	15736
SRev ST-Coal		115	126	107	109	109	47	43	44	58	68	66	10	53	52	81	51	41	33	53	37	23	4	8	
SRev ST-Oil		-1	-1	-2	-2	42	37	37	37	37	37	37	37	39	13	1	1	1	2	32	-1	-1	-1	-1	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	107	-12	225	167	37	59	56	175	98	191	
SRev CCGT-Gas		466	515	578	428	529	804	804	920	916	1002	1101	992	833	786	867	1098	904	494	162	131	117	136	152	
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
SRev Co-Gen		5	5	4	2	4	6	5	4	5	2	6	10	10	11	9	11	10	14	17	16	15	16	18	
Syncon		417	417	568	719	719	417	568	719	719	719	719	719	568	719	719	554	554	554	554	554	554	554	554	554
Hydro		193	159	292	127	140	165	274	134	143	144	189	147	139	135	299	118	150	209	71	216	122	97	7	
S.Reserve Total		1295	1321	1647	1483	1643	1576	1831	1958	1976	2072	2218	2015	1891	1840	1961	2134	1963	1524	946	1280	1099	945	800	