

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,422 MW
Hydro	1,760 MW
Distillate	0 MW
Total TNB	<u>8,572 MW</u>
Total IPP	<u>9,968 MW</u>
Total Co-Gen	0 MW
Total System	<u>18,540 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Coal	54,916	15.84 %
Gas	80,156	23.12 %
Hydro	16,279	4.70 %
Total TNB	151,351	43.66 %
ST-Coal	77,944	22.48 %
ST-Gas	9,618	2.77 %
Gas	107,436	30.99 %
Total IPP	194,998	56.25 %
Co-Gen	902	0.26 %
Total Co-Gen	902	0.26 %
Total Generation	347,251	100.16 %
PLTG	-156	-0.04 %
HVDC	728	0.21 %
Interconnection	572	0.16 %
Net Energy	346,679	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	17,668 MW
TNB Generation	7,313 MW
IPP Generation	9,165 MW
Spinning Reserve	1,154 MW
Maximum Demand	16,497 MW
Net Energy	346,679 MWH
Load Factor	87.56 %

Fuel Cost

Total Cost:	61,871,515.36 RM
Cost per Unit	18.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	720
Hydro	401
Syncon	224
Thermal	27
Total	1,372

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
CBPS	2
CBPS	56
GLGR	60
PAKA	176
PGPS	49
SRDG	53
TJGS	211
Total TNB	607
KLPP	117
MPSS	58
PDPS	33
PGLA	109
PKLG	15
PLPS	106
PTEK	27
SGB3	74
SGRI	194
SKSP	53
YPKA	66
PKLG	91
Total IPP	942
Total Gas	1,549
Total Gas Required	1,549

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	14071	13436	12967	12626	12265	12064	12227	12049	12575	14456	15469	16062	15990	15608	16247	16367	16261	15765	14800	14585	15588	15353	14841	14307

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
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	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
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
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	24	24	24	24	24	25	24	25	25	23	23	25	24	24	24	23	23	23	23	34	37	28	28	22
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	100	100	100	100	100	100	100	100	97	100	100	100	-1	-1	-1	100	95	96	60	100	100	100	100	100
KNYR	HY03	101	101	100	101	101	101	101	101	100	97	101	101	101	99	100	95	101	95	97	101	101	101	101	101
KNYR	HY04	100	100	100	100	100	100	100	100	98	100	100	100	61	61	54	101	95	97	76	100	100	100	100	100
LPIA	HY02	16	16	16	15	15	16	16	16	16	16	16	16	16	16	16	15	15	16	16	16	16	16	16	16
MNOR	HY01	7	7	7	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY01	22	22	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	113	111	21	21	112	83
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	23	-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	20	-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
SIHY	HY03	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	25	25	25	25	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	24	25	25	0	0	0	0	0	0	0	0	16	11	12	12	9	12	12	13	13	13	13	13
TMGR	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
TMGR	HY02	38	36	33	37	42	41	39	37	37	33	31	37	36	41	34	34	28	37	28	30	33	60	87	88
TMGR	HY03	36	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	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		710	615	554	499	430	433	430	429	429	467	412	429	427	429	295	291	311	552	577	741	704	938	1093	1097
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	21	20	19	20	20	20	21	20	22	22	22	21	22	23	22	21	21	21	22	21	20	21	20	21
PCUF	CUFK	16	18	18	18	17	17	15	18	17	16	16	15	16	17	17	16	16	17	17	18	16	18	17	16
Total Co-Gen		37	38	37	38	37	37	36	38	39	38	38	37	37	39	42	40	38	37	38	38	39	37	38	38
Total Gen		14130	13761	13439	13175	12994	12797	12707	12480	12304	12183	12136	12115	12211	12424	12027	11903	12602	13793	14522	15267	15498	15819	16130	16206
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	30	30	31	31	30	30	31	31	30	30	30	30	30	31	30	30	31
TIE-PLTG		29	-25	-27	-26	-4	-43	51	-21	9	50	41	17	-47	-32	-53	-61	-4	-38	36	16	-1	-62	37	
Interconnection		59	6	3	4	27	-12	81	9	39	80	72	48	-16	-2	-22	-30	27	-8	66	47	29	-31	68	
System Total		14071	13755	13436	13171	12967	12809	12626	12471	12265	12103	12064	12067	12227	12426	12049	11933	12575	13801	14456	15220	15469	15850	16062	16253
SRev ST-Coal		3	-72	-41	-11	-61	23	28	29	8	16	17	16	3	0	2	-3	87	77	33	6	12	1	5	13
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		421	532	489	669	697	733	780	1003	1201	1351	1342	1380	1295	1102	1370	1503	994	789	643	711	539	493	504	
SRev ST-Gas		0	-1	-1	-1	20	40	37	37	37	37	37	37	66	66	67	69	71	70	48	42	37	39	85	
SRev Co-Gen		39	38	39	38	39	39	40	38	37	38	38	39	39	37	34	36	38	39	38	38	37	39	40	
Syncon		540	540	627	627	627	627	627	627	627	325	627	627	627	728	728	426	325	325	151	151	151	151	151	151
Hydro		300	245	69	78	72	69	72	73	73	357	90	73	75	66	124	128	410	466	566	733	770	536	381	577
S.Reserve Total		1303	1282	1182	1400	1394	1531	1584	1807	1983	2104	2151	2172	2076	1898	2324	2459	2024	1767	1710	1942	1435	1233	1211	1238