

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,960 MW
Hydro	1,890 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,920 MW</b>
<b>Total IPP</b>	<b>10,208 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,128 MW</b>

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:	15:30:00 Hour
Total Set On Bus	17,253 MW
TNB Generation	6,809 MW
IPP Generation	9,383 MW
Spinning Reserve	1,031 MW
Maximum Demand	16,239 MW
Net Energy	340,882 MWH
Load Factor	87.46 %

Gas Usage

Station	(mmscfd)
CBPS	21
CBPS	47
GLGR	55
PAKA	198
PGGS	7
PGPS	44
SRDG	72
TJGS	167
<b>Total TNB</b>	<b>612</b>

Alternate Fuel Usage

Station	(mmscfd)
PKLG	86
<b>Total</b>	<b>86</b>

Generation Mix

Type	MWh	Percentage
ST-Coal	48,369	14.19 %
Gas	75,437	22.13 %
Hydro	16,464	4.83 %
<b>Total TNB</b>	<b>140,270</b>	<b>41.15 %</b>
ST-Coal	73,754	21.64 %
ST-Gas	442	0.13 %
ST-Oil	8,853	2.60 %
Gas	116,807	34.27 %
<b>Total IPP</b>	<b>199,856</b>	<b>58.63 %</b>
Co-Gen	741	0.22 %
<b>Total Co-Gen</b>	<b>741</b>	<b>0.22 %</b>
<b>Total Generation</b>	<b>340,867</b>	<b>100.00 %</b>
PLTG	603	0.18 %
EGAT	-33	-0.01 %
HVDC	-585	-0.17 %
<b>Interconnection</b>	<b>-15</b>	<b>0.00 %</b>
<b>Net Energy</b>	<b>340,882</b>	<b>100.00 %</b>

Fuel Cost

Total Cost:	67,573,377.21 RM
Cost per Unit	20.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	368
Hydro	277
Syncon	406
Thermal	68
<b>Total</b>	<b>1,119</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

KLPP	107
MPSS	60
PDPS	38
PGLA	55
PKLG	8
PLPS	112
PTEK	30
SGB3	67
SGRI	235
SKSP	43
YPGS	67
YPKA	122
PKLG	5
<b>Total IPP</b>	<b>948</b>
<b>Total Gas</b>	<b>1,561</b>

**Total Gas Required 1,647**

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	13750	12946	12490	12215	11943	11919	11907	11845	12378	14386	15278	15923	15777	15458	15860	16103	16178	15573	14508	14351	14840	15233	15082	14708





### 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				
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	9	10	9	9	9	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	9	9	9	9
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	8	8	8	8
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	22	36	36	35	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	24	24	24	24	24	24	24	25	24	25	24	23	24	22	37	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	19	37	36	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	62	0	0	0	0	20	-1	-1	-1	-1	-1	-1	-1	96	97	59	96	96	96	96	96	96	96	96	96	96	96	
KNYR	HY02	100	100	94	100	100	-1	-1	-1	-1	-1	-1	-1	-1	100	100	51	98	100	100	98	100	99	100	99	100	100	100	
KNYR	HY03	100	100	100	101	100	99	101	100	101	102	102	102	102	101	96	101	100	100	91	98	100	100	98	100	99	100	100	
KNYR	HY04	101	101	100	101	101	65	94	61	102	102	85	73	86	64	76	57	64	75	62	52	100	101	101	101	101	100	101	
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	10	10	10	
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	6	6	7	7	3	3	3	5	5	5	
PGAU	HY01	-1	-1	-1	20	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	84	0	0	-1	-1	-1	85	81	83	83	84	
PGAU	HY02	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	22	-1	-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	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	21	-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	30	50	50	50	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	30	50	50	50	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	30	50	50	50	0	0	0	0	0	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	25	25	25	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	25	25	25	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	25	25	25	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	25	25	25	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	34	30	35	37	35	25	57	58	61	58	57	33	33	58	
TMGR	HY02	87	82	85	83	35	37	33	38	40	39	36	38	36	36	0	0	0	25	57	58	62	57	58	33	34	58	58	
TMGR	HY03	74	71	72	73	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	25	57	58	61	57	58	32	32	57	59	60	60	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	28	56	57	60	56	57	35	35	56	57	59	59	60	
UPIA	HY01	5	5	5	5	5	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	
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	2	2	2	
Total Hydro		664	617	613	566	422	286	336	277	325	347	310	295	309	285	330	287	283	494	480	480	802	1033	1089	1173	997	726	724	
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	0	0	0	
PCUF	CUFG	9	8	9	9	10	9	9	9	11	10	10	11	11	10	11	11	11	11	11	11	10	9	10	10	9	9	9	
PCUF	CUFK	23	23	23	24	24	21	23	21	22	24	24	23	21	20	21	20	20	22	22	20	21	21	23	20	21	19	19	
Total Co-Gen		32	31	32	33	34	30	32	30	33	34	34	35	34	31	31	32	31	31	33	33	30	30	31	33	29	31	27	
Total Gen		13770	13395	12940	12782	12464	12236	12188	11901	11853	11873	11923	11738	11900	11833	11859	11688	12383	13517	14407	14758	15253	15579	15913	15961	15782	15487	15458	
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	0	0	0	
TIE-HVDC		-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		49	-7	23	-51	3	23	3	-2	-61	-16	33	17	22	43	44	43	34	-30	51	1	5	62	19	71	35	4		
Interconnection		20	-37	-6	-81	-26	-7	-27	-32	-90	-45	4	-12	-7	14	14	14	5	-59	21	-28	-25	33	-10	41	5	-26		
System Total		13750	13342	12946	12863	12490	12243	12215	11933	11943	11918	11919	11750	11907	11819	11845	11674	12378	13576	14386	14786	15278	15546	15923	15920	15777	15513	15458	
SRev ST-Coal		48	50	67	31	49	41	42	52	113	116	36	42	42	49	29	49	54	43	57	52	30	45	42	50	46	54	51	
SRev ST-Oil		1	2	2	2	1	40	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
SRev OCGT-Gas		102	72	0	0	0	0	0	0	0	0	0	0	0	0	2	-2	39	213	210	174	164	179	250	272	226	152	186	
SRev CCGT-Gas		298	299	400	247	754	851	856	1026	833	826	847	1012	863	896	935	1328	792	351	203	368	191	301	189	282	228	174	178	
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	0	0	0	
SRev Co-Gen		12	13	12	11	10	14	12	14	11	10	10	9	10	13	13	12	13	13	11	11	14	14	13	11	15	13	17	
Syncon		539	388	388	388	625	726	726	827	827	827	828	828	828	828	828	677	828	626	626	454	454	303	454	302	302	453	454	

**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																								
Hydro		72	170	174	173	80	115	165	123	75	203	89	104	90	114	154	263	112	103	122	466	183	353	146	364	290	260	261	169	290	216	221	214	214	343	427	140	122	114	116	91	486	334	248	161	166	226	296	161
S.Reserve Total		1077	999	1048	857	1525	1753	1846	2084	1901	2024	1882	2037	1875	1942	2001	2373	1813	1145	1048	1422	1119	1262	1056	1212	1124	1244	1273	1268	1020	1137	1162	1031	1055	1178	1217	1305	1496	1590	1728	1424	1433	1138	943	974	1026	1115	1155	1152