

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,583 MW
Hydro	1,698 MW
Distillate	0 MW
Total TNB	<u>5,281 MW</u>
Total IPP	<u>13,847 MW</u>
Total Co-Gen	<u>27 MW</u>
Total System	<u>19,155 MW</u>

### Generation Mix

Type	MWh	Percentage
Gas	74,421	20.19 %
Hydro	18,314	4.97 %
<b>Total TNB</b>	<b>92,735</b>	<b>25.16 %</b>
ST-Coal	169,752	46.06 %
ST-Gas	4,548	1.23 %
ST-Oil	2,152	0.58 %
Gas	98,485	26.72 %
<b>Total IPP</b>	<b>274,937</b>	<b>74.60 %</b>
Co-Gen	568	0.15 %
<b>Total Co-Gen</b>	<b>568</b>	<b>0.15 %</b>
<b>Total Generation</b>	<b>368,240</b>	<b>99.91 %</b>
PLTG	379	0.10 %
HVDC	-700	-0.19 %
<b>Interconnection</b>	<b>-321</b>	<b>-0.09 %</b>
<b>Net Energy</b>	<b>368,561</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/12/2016	17,596 MW
Date: 4/12/2016	368,561 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,841 MW
TNB Generation	4,796 MW
IPP Generation	12,769 MW
Spinning Reserve	1,252 MW
Maximum Demand	17,596 MW
Net Energy	368,561 MWH
Load Factor	87.27 %

### Fuel Cost

Total Cost:	55,695,923.55 RM
Cost per Unit	15.92 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	696
Hydro	238
Syncon	156
Thermal	227
<b>Total</b>	<b>1,317</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	8
GLGR	55
PAKA	206
PGGS	14
PGPS	44
SRDG	37
TJGS	217
<b>Total TNB</b>	<b>581</b>
CBPS	43
KLPP	100
MPSS	28
NPRI	32
PDPS	28
PGLA	112
PKLG	23
PLPS	102
PTEK	21
SGB3	56
SGRI	178
SKSP	56
PKLG	47
<b>Total IPP</b>	<b>826</b>
<b>Total Gas</b>	<b>1,407</b>
<b>Total Gas Required</b>	<b>1,428</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	21
<b>Total</b>	<b>21</b>

### 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	15152	14321	13802	13484	13074	12890	12826	12601	13161	15076	16028	16719	16653	16436	17092	17483	17596	17107	15641	15300	16641	16695	16341	15873





### 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
CEND	HY02	0	0	0	0	0	0	0	0	0	0	0	0	7	10	0	0	0	0	0	0	0	0	0	0
CEND	HY03	6	6	6	6	6	6	6	6	6	10	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
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	62	62	62	63	63	63	125	126	126
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	36	35	35	35	35	35	35	35	35	35	35	36
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	18	35	35	36	36	35	35	35	36	23	22	22
KNRG	HY03	21	21	21	22	22	22	22	21	23	23	22	22	23	21	22	21	20	21	20	21	20	21	20	21
KNYR	HY02	63	59	58	59	59	60	58	60	63	65	62	60	64	57	60	63	64	58	99	98	100	100	100	100
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	98	97	97	97	98	98	98	98	98
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	97	97	97	101	101	101	101	101	101
LPIA	HY01	17	16	16	16	16	16	16	13	13	13	13	13	13	13	13	13	18	18	18	18	18	18	18	18
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	5	5	5	5	5	2
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	112	112	112	112
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	112	112	112	112	112	10	30	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	81	81	81	81	81	111	111	111	111
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	49	30	30	30	30	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	30	30	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	30	30	0	0
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	25	25	25	25	11	0
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0
TMGR	HY01	33	32	31	33	33	34	36	32	33	38	39	35	34	39	31	35	38	39	56	58	65	67	68	71
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	55	60	66	67	68	74	69	65	72
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	57	67	68	68	69	69	67	68	68
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	57	65	66	66	68	67	65	66	65
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
Total Hydro		268	164	157	161	162	163	166	160	162	169	172	164	161	171	153	162	199	232	653	739	830	914	912	1031
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	3	1	1	1	0	1	1	0	0	0	2	3	1	1	1	1	1	2	3	1	0	0	0
PCUF	CUFK	23	23	22	23	24	24	24	23	24	23	23	23	23	23	23	23	25	24	23	23	23	23	23	23
Total Co-Gen		26	26	23	24	25	24	25	23	23	23	26	22	23	25	26	24	24	26	25	24	25	26	24	23
Total Gen		15125	14653	14315	14152	13784	13717	13460	13237	13043	12928	12816	12759	12790	12927	12644	12551	13145	14299	15047	15561	15969	16396	16613	
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		-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-30	-29	-30	-29	-29	-29	-30	-29	-29
TIE-PLTG		3	38	23	43	11	20	5	-27	-1	8	-44	13	-8	16	72	11	13	-17	0	-45	-31	-47	-75	
Interconnection		-27	9	-6	14	-18	-10	-24	-55	-31	-22	-74	-16	-36	-13	43	-17	-16	-46	-29	-74	-59	-76	-106	
System Total		15152	14644	14321	14138	13802	13727	13484	13292	13074	12950	12890	12775	12826	12940	12601	12568	13161	14345	15076	15635	16028	16382	16719	
SRev ST-Coal		239	227	246	238	239	240	229	241	240	210	235	230	240	207	232	231	207	236	235	189	124	143	146	
SRev ST-Oil		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 OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	165	5	170	117	128	70	172	185	396	
SRev CCGT-Gas		453	251	412	237	609	311	582	787	982	962	1054	1134	1093	1016	1157	1219	1271	518	434	430	361	243	240	
SRev ST-Gas		33	35	35	38	38	38	38	38	38	38	68	68	69	71	72	75	75	75	75	75	75	75	75	75
SRev Co-Gen		1	1	4	3	2	3	2	3	2	4	4	1	5	4	1	3	3	1	2	3	4	1	3	4
Syncon		802	802	802	802	802	802	802	802	802	802	802	802	802	802	651	802	428	428	302	151	302	302	302	302
Hydro		125	131	138	134	133	132	129	135	133	126	123	131	134	124	142	133	247	111	299	213	248	390	241	
S.Reserve Total		1653	1447	1637	1452	1823	1526	1782	2006	2197	2142	2256	2369	2338	2223	2408	2459	2452	1745	1639	1341	1282	1122	1134	