

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,973 MW
Hydro	2,102 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,075 MW</b>
<b>Total IPP</b>	<b>14,770 MW</b>
<b>Total Co-Gen</b>	<b>58 MW</b>
<b>Total System</b>	<b>20,467 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	28,678	9.01 %
Hydro	14,745	4.63 %
<b>Total TNB</b>	<b>43,423</b>	<b>13.65 %</b>
ST-Coal	198,643	62.43 %
Gas	74,293	23.35 %
<b>Total IPP</b>	<b>272,936</b>	<b>85.79 %</b>
Co-Gen	1,314	0.41 %
<b>Total Co-Gen</b>	<b>1,314</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>317,673</b>	<b>99.85 %</b>
PLTG	215	0.07 %
HVDC	-703	-0.22 %
<b>Interconnection</b>	<b>-488</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>318,161</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

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

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	16,021 MW
TNB Generation	2,778 MW
IPP Generation	12,063 MW
Spinning Reserve	1,124 MW
Maximum Demand	14,945 MW
Net Energy	318,161 MWH
Load Factor	88.70 %

### Fuel Cost

Total Cost:	49,836,032.14 RM
Cost per Unit	16.45 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	507
Hydro	367
Syncon	478
Thermal	167
<b>Total</b>	<b>1,519</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### 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	14432	13869	13387	12912	12383	12109	12169	11758	11354	11921	12705	13194	13302	13121	13408	13551	13546	13342	13005	13224	14771	14919	14786	14495

### Gas Usage

Station	(mmscfd)
GLGR	45
TJGS	164
<b>Total TNB</b>	<b>209</b>
CBPS	50
KLPP	58
NPRI	148
PGLA	100
PLPS	56
PTEK	4
SGB3	43
SGRI	34
SKSP	47
<b>Total IPP</b>	<b>541</b>
<b>Total Gas</b>	<b>750</b>
<b>Total Gas Required</b>	<b>750</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>



### Daily MW Generation on Sunday

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	
PTEK	GT1B	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 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	
BSIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
BSIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	13	13	13	13	13	13	13	13	13	13	13	13	
CEND	HY01	10	9	10	9	9	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY02	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	HY03	10	10	10	10	10	10	10	10	10	0	0	8	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY04	8	8	7	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
HTRG	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	
KNRG	HY01	22	23	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	26	26	26	27	27	27	26	27	27	27	27	27	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	25	25	25	25	25	25	25	25	25	25	25	26	25	26	25	26	26	26	25	26	26	26	26	26	
KNYR	HY01	79	100	81	62	70	65	59	69	60	67	60	92	90	62	61	58	69	84	88	81	98	101	62	99	
KNYR	HY02	81	102	81	73	67	-1	-1	-1	-1	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	99	97
KNYR	HY03	100	100	100	99	99	99	99	100	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	100	100	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	103	102	98	100	102	101	101	101	100	
LPIA	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	
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	20	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	
SYSP	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	
SYSP	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	
SYSP	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	
SYSP	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	51	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	54	35	35	35	35	35	35	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
TMGR	HY03	50	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	51	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	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		742	678	604	420	422	350	363	376	344	383	290	268	267	247	191	186	200	319	323	334	355	361	1215	1138	
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	30	30	29	30	29	29	30	29	29	30	31	31	32	32	33	32	31	31	32	31	32	30	31	30	
PCUF	CUFK	28	25	25	25	25	26	24	25	26	24	27	25	26	24	26	25	25	26	25	24	25	24	23	24	
Total Co-Gen		58	55	54	55	54	55	54	55	54	57	56	57	56	58	57	57	56	55	57	54	56	55	55	54	
Total Gen		14420	14232	13854	13591	13344	13115	12905	12643	12341	12340	12050	12148	12132	12156	11751	11385	11361	11759	11881	12306	12700	12999	13213	13325	
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		16	-23	14	-10	-14	-29	22	-31	-13	39	-29	25	-8	43	22	64	36	21	-12	33	24	-11	49	23	
Interconnection		-12	-52	-15	-39	-43	-58	-7	-60	-42	10	-59	-4	-37	14	-7	35	7	-8	-40	3	-5	-40	19	-6	

### Daily MW Generation on Sunday

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																											
System Total		14432	14284	13869	13630	13387	13173	12912	12703	12383	12330	12109	12152	12169	12142	11758	11350	11354	11767	11921	12303	12705	13039	13194	13331	13302	13307	13121	13230	13408	13544	13551	13542	13546	13511	13342	13208	13005	13090	13224	14107	14771	14837	14919	14945	14786	14666	14495	14222			
SRev ST-Coal		217	306	218	219	212	227	311	222	209	260	249	253	266	309	251	257	387	231	222	167	173	333	186	170	166	175	176	168	173	159	156	171	169	168	163	156	164	162	160	142	169	158	153	169	159	153	153	105			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	-1	-2	-2	-2	61
SRev CCGT-Gas		849	703	709	788	1043	1186	1324	1538	1722	1010	1221	1096	1099	978	1308	1562	1414	1459	1322	1162	782	681	638	529	481	521	738	632	422	558	556	640	685	685	655	834	1291	1306	1163	466	312	396	299	304	403	414	417	519			
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	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		0	3	4	3	4	3	4	4	3	4	1	2	1	2	0	1	0	1	1	2	3	1	4	2	3	3	4	5	7	5	7	5	7	4	8	5	6	4	3	4	3	4	5	2	1	1	2	3			
Syncon		705	791	791	977	977	1078	927	927	1078	806	841	1078	1078	1078	1078	1078	977	977	826	826	826	0	0	579	705	705	453	453	579	705	705	705	790	876	876	876	876	876	876	876	554	428	403	277	403	403	403	554			
Hydro		223	201	192	152	150	121	259	246	127	260	309	94	95	123	118	123	109	90	86	226	205	199	505	582	452	390	414	411	404	367	258	270	260	203	149	149	150	152	161	116	208	274	323	373	396	329	381	370			
S.Reserve Total		1994	2004	1914	2139	2386	2615	2825	2937	3139	2340	2621	2523	2539	2490	2755	3021	2988	2758	2608	2383	1989	2040	1333	1283	1681	1794	2037	1669	1459	1668	1682	1791	1826	1850	1851	2020	2487	2500	2363	1604	1246	1266	1183	1124	1360	1298	1354	1612			