

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,414 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,457 MW</b>
<b>Total IPP</b>	<b>13,950 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,971 MW</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:	20:00:00 Hour
Total Set On Bus	16,565 MW
TNB Generation	3,501 MW
IPP Generation	11,722 MW
Spinning Reserve	1,271 MW
Maximum Demand	15,273 MW
Net Energy	332,560 MWH
Load Factor	90.73 %

### Gas Usage

Station	(mmscfd)
GLGR	54
SRDG	29
TJGS	219
<b>Total TNB</b>	<b>302</b>
CBPS	54
KLPP	99
NPRI	158
PGLA	111
PLPS	73
PTEK	7
SGB3	96
SGRI	92
<b>Total IPP</b>	<b>690</b>
<b>Total Gas</b>	<b>992</b>
<b>Total Gas Required</b>	<b>992</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	41,713	12.54 %
Hydro	23,101	6.95 %
<b>Total TNB</b>	<b>64,814</b>	<b>19.49 %</b>
ST-Coal	171,713	51.63 %
Gas	94,835	28.52 %
<b>Total IPP</b>	<b>266,548</b>	<b>80.15 %</b>
Co-Gen	1,671	0.50 %
<b>Total Co-Gen</b>	<b>1,671</b>	<b>0.50 %</b>
<b>Total Generation</b>	<b>333,033</b>	<b>100.14 %</b>
PLTG	-251	-0.08 %
HVDC	724	0.22 %
<b>Interconnection</b>	<b>473</b>	<b>0.14 %</b>
<b>Net Energy</b>	<b>332,560</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	51,824,856.05 RM
Cost per Unit	16.72 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	240
Hydro	388
Syncon	551
Thermal	243
<b>Total</b>	<b>1,422</b>

### Time Weather Temperature

Afternoon	Sunny	34
Morning	Cloudy	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	14210	13614	13057	12670	12444	12268	12164	12055	11888	13147	14026	14670	14683	14310	14626	14860	14833	14571	14062	14111	15273	15149	14784	14593





### Daily MW Generation on Saturday

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																									
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
TIE-HVDC		30	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	29	29	30	30	29	29	30	31	31	30	31	31	30	30	30	30	31										
TIE-PLTG		-1	-21	-3	-34	-25	-6	-22	-14	-70	-46	-32	-10	-24	-15	-17	-19	-2	0	-50	14	9	0	-64	27	42	10	58	19	-27	0	15	-117	-38	-10	26	31	57	-45	-1	-53	-9	7	-10	40	-12	-28	10	-43	
Interconnection		29	10	28	-3	6	25	8	16	-39	-16	-3	20	7	15	14	11	28	30	-20	44	39	30	-34	57	72	40	88	49	3	30	45	-87	-8	19	55	61	87	-16	28	-23	21	38	20	70	19	3	41	-12	
System Total		14210	13922	13614	13355	13057	12879	12670	12523	12444	12353	12268	12167	12164	12214	12055	11867	11888	12581	13147	13566	14026	14341	14670	14798	14683	14448	14310	14454	14626	14848	14860	14912	14833	14754	14571	14293	14062	14111	14111	14975	15273	15248	15149	15080	14784	14788	14593	14367	
SRev ST-Coal		307	303	309	314	326	285	423	420	426	412	407	401	407	409	420	390	378	402	379	293	158	228	145	163	159	162	170	166	305	307	274	259	268	266	248	237	264	311	338	119	287	294	287	281	284	270	281	283	
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	25	25	15	5	5	9	5	7	14	17	22	35	68	68	69	65	4	4	19	-1	107	0	0	0
SRev CCGT-Gas		262	382	466	534	595	678	776	881	898	949	1027	1110	1111	1045	1148	1400	1375	660	503	475	310	172	141	278	227	277	266	174	166	189	167	138	179	221	395	260	411	416	461	185	163	154	268	182	134	102	237	416	
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	
SRev Co-Gen		8	4	7	4	6	10	5	5	5	5	3	5	2	1	1	2	2	1	2	4	6	3	4	8	6	6	8	8	5	13	15	8	8	12	6	3	6	5	3	3	4	5	5	6	4	5	7	2	
Syncon		802	1165	1014	1165	1165	1014	1014	1014	1165	1165	1014	1014	1165	1165	1165	1079	1079	676	556	556	405	374	405	707	646	615	646	495	464	615	615	615	615	1079	1079	1079	928	374	374	374	374	676	676	676	676				
Hydro		414	77	213	81	85	219	219	213	112	105	225	221	91	90	92	84	81	155	42	454	277	274	474	481	582	344	406	468	403	268	399	377	311	318	361	47	46	47	179	667	439	446	443	449	433	295	303	334	
S.Reserve Total		1793	1931	2009	2102	2177	2206	2437	2533	2606	2636	2676	2751	2776	2710	2826	3041	3001	2297	2005	1902	1307	1233	1169	1304	1404	1521	1511	1436	1530	1281	1324	1404	1395	1449	1647	1661	1874	1926	1978	1413	1271	1277	1396	1291	1638	1348	1504	1711	