

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,290 MW
Hydro	2,308 MW
Distillate	0 MW
Total TNB	<u>5,598 MW</u>
Total IPP	<u>13,594 MW</u>
Total Co-Gen	<u>80 MW</u>
Total System	<u>19,554 MW</u>

### Generation Mix

Type	MWh	Percentage
Gas	37,153	11.52 %
Hydro	14,880	4.62 %
<b>Total TNB</b>	<b>52,033</b>	<b>16.14 %</b>
ST-Coal	175,545	54.45 %
Gas	92,027	28.54 %
<b>Total IPP</b>	<b>267,572</b>	<b>82.99 %</b>
Co-Gen	1,911	0.59 %
<b>Total Co-Gen</b>	<b>1,911</b>	<b>0.59 %</b>
<b>Total Generation</b>	<b>321,516</b>	<b>99.72 %</b>
PLTG	-171	-0.05 %
EGAT	-37	-0.01 %
HVDC	-700	-0.22 %
<b>Interconnection</b>	<b>-908</b>	<b>-0.28 %</b>
<b>Net Energy</b>	<b>322,424</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:	20:30:00 Hour
Total Set On Bus	16,585 MW
TNB Generation	2,586 MW
IPP Generation	12,060 MW
Spinning Reserve	1,857 MW
Maximum Demand	14,766 MW
Net Energy	322,424 MWH
Load Factor	90.98 %

### Fuel Cost

Total Cost:	52,389,022.55 RM
Cost per Unit	17.28 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	624
Hydro	156
Syncon	1,047
Thermal	194
<b>Total</b>	<b>2,021</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	38
TJGS	68
TJGS	110
<b>Total TNB</b>	<b>269</b>
KLPP	98
MPSS	19
NPRI	77
PGLA	106
PLPS	90
PTEK	4
SGB3	63
SGRI	194
SKSP	49
<b>Total IPP</b>	<b>700</b>
<b>Total Gas</b>	<b>969</b>

**Total Gas Required 969**

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</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	13931	13348	12831	12432	12085	11908	11915	11889	11542	12647	13539	14235	14123	13820	14240	14268	14316	14126	13557	13630	14678	14705	14299	13983





### 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-PLTG		66	-26	-20	-13	18	21	19	13	38	-1	-12	35	-14	14	-31	14	-67	-24	-35	-50	-43	-88	-42	-16	31	-67	-48	-30	-33	21	-43	-5	0	37	2	0	47	9	-13	8	-12	-9	14	2	52	-40	-12	-6	
Interconnection		37	-55	-50	-42	-11	-8	-10	-16	8	-31	-41	6	-43	-15	-60	-15	-96	-52	-64	-80	-72	-117	-71	-45	3	-95	-77	-59	-63	-9	-73	-34	-31	7	-27	-30	18	-20	-42	-21	-42	-38	-15	-27	23	-69	-41	-35	
System Total		13931	13653	13348	13144	12831	12620	12432	12162	12085	11977	11908	11917	11915	11905	11889	11692	11542	12190	12647	13215	13539	13848	14235	14286	14123	13935	13820	13973	14240	14227	14268	14226	14316	14205	14126	13847	13557	13565	13630	14346	14678	14766	14705	14574	14299	14294	13983	13818	
SRev ST-Coal		158	146	146	175	191	196	198	200	201	189	241	238	202	183	192	186	160	190	190	181	185	192	190	187	195	239	250	252	242	268	243	205	188	160	139	193	200	204	167	150	138	129	141	128	140	133	142	136	
SRev OCGT-Gas		8	7	4	9	5	9	6	15	108	110	110	43	-13	5	0	0	3	0	48	182	-35	-3	117	0	-9	0	-3	-1	-1	-1	2	5	190	258	222	186	209	324	196	86	297	189	163	393	201	188	244	56	
SRev CCGT-Gas		323	433	741	481	507	679	752	1014	979	1134	1090	1081	1467	1505	1564	1717	1890	1214	941	858	697	627	417	703	843	1011	910	687	447	414	424	375	268	297	427	555	760	670	887	323	128	247	300	150	318	457	188	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		4	5	4	5	5	4	3	5	4	5	2	0	-2	-1	1	-1	0	2	1	0	1	2	1	2	4	6	5	4	3	1	-3	-1	-4	-5	-4	-4	-5	-5	-3	-5	-3	-2	-1	-1	-3	-4	-4	-1	
Syncon		799	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	914	788	975	1101	1101	1101	1101	1101	950	950	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	950	1101	950	1101	1101	
Hydro		249	69	65	69	66	70	71	72	69	69	68	61	68	62	59	68	145	64	53	205	116	54	45	151	153	277	246	92	84	53	91	229	184	196	235	208	206	206	208	189	180	193	191	318	190	320	49	68	
S.Reserve Total		1541	1761	2061	1840	1875	2059	2131	2407	2462	2608	2612	2524	2823	2855	2917	3071	3299	2571	2147	2214	1939	1973	1871	2144	2287	2483	2383	2135	1876	1836	1858	1914	1927	2007	2120	2239	2471	2500	2556	1844	1841	1857	1895	1938	1947	2044	1720	1879	