

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,249 MW
Hydro	2,103 MW
Distillate	0 MW
Total TNB	<u>5,352 MW</u>
Total IPP	<u>15,123 MW</u>
Total Co-Gen	0 MW
Total System	<u>21,039 MW</u>

### Generation Mix

Type	MWh	Percentage
Gas	38,391	10.81 %
Hydro	18,729	5.27 %
<b>Total TNB</b>	<b>57,120</b>	<b>16.08 %</b>
ST-Coal	203,120	57.18 %
Gas	93,414	26.30 %
<b>Total IPP</b>	<b>296,534</b>	<b>83.48 %</b>
Co-Gen	1,349	0.38 %
<b>Total Co-Gen</b>	<b>1,349</b>	<b>0.38 %</b>
<b>Total Generation</b>	<b>355,003</b>	<b>99.94 %</b>
PLTG	473	0.13 %
HVDC	-698	-0.20 %
<b>Interconnection</b>	<b>-225</b>	<b>-0.06 %</b>
<b>Net Energy</b>	<b>355,228</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:	15:00:00 Hour
Total Set On Bus	18,282 MW
TNB Generation	2,722 MW
IPP Generation	13,759 MW
Spinning Reserve	1,751 MW
Maximum Demand	16,572 MW
Net Energy	355,228 MWH
Load Factor	89.31 %

### Fuel Cost

Total Cost:	56,603,397.88 RM
Cost per Unit	16.83 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	756
Hydro	108
Syncon	681
Thermal	192
<b>Total</b>	<b>1,737</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	50
PGPS	24
TJGS	204
<b>Total TNB</b>	<b>278</b>
CBPS	52
KLPP	86
MPSS	27
NPRI	140
PGLA	102
PKLG	6
PLPS	63
SGB3	60
SGRI	94
SKSP	46
<b>Total IPP</b>	<b>676</b>
<b>Total Gas</b>	<b>954</b>

**Total Gas Required 954**

### 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	14693	13978	13508	13103	12758	12537	12741	12660	12874	14687	15638	16172	16139	15775	16286	16572	16465	16114	15077	14790	15972	15902	15473	15071





### Daily MW Generation on Thursday

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																										
Total Co-Gen		59	60	59	58	59	58	59	59	59	59	58	59	60	58	58	59	60	58	60	58	57	55	55	56	55	55	56	51	54	54	50	54	52	50	51	53	53	52	55	56	58	56	56	56	55	56	55			
Total Gen		14712	14232	14005	13672	13489	13203	13102	12934	12782	12807	12584	12633	12754	12870	12631	12528	12857	13996	14609	15189	15640	15935	16147	16282	16153	15875	15762	16028	16263	16500	16531	16480	16446	16399	16064	15666	15068	14632	14727	15525	15957	15967	15897	15648	15459	15348	15012	14790		
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	0	0	0	0	0	0	0	0	
TIE-HVDC		-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-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		48	-45	57	-49	10	22	28	55	54	105	75	59	43	63	0	18	10	-11	-50	27	31	60	4	-9	43	54	16	29	6	3	-12	50	9	-1	-21	100	20	14	-33	-23	15	9	25	-14	15	37	-30	29		
Interconnection		19	-73	27	-79	-19	-7	-1	26	24	75	47	31	13	34	-29	-12	-17	-41	-78	-2	2	31	-25	-38	14	25	-13	0	-23	-26	-41	21	-19	-29	-50	72	-9	-15	-63	-53	-15	-21	-5	-44	-14	8	-59	0		
System Total		14693	14305	13978	13751	13508	13210	13103	12908	12758	12732	12537	12602	12741	12836	12660	12540	12874	14037	14687	15191	15638	15904	16172	16320	16139	15850	15775	16028	16286	16526	16572	16459	16465	16428	16114	15594	15077	14647	14790	15578	15972	15988	15902	15692	15473	15340	15071	14790		
SRev ST-Coal		392	322	320	314	325	282	274	277	315	298	322	289	273	269	273	277	336	279	265	209	167	229	172	176	190	237	235	237	203	213	192	181	196	190	189	230	171	179	141	177	188	188	179	159	169	84	180	181		
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	-3	-2	-1	-1	0	0	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1192	1329	1456	1633	1797	1993	2105	2268	2354	2344	2532	2451	2371	2201	2431	2456	2255	1462	1336	947	650	775	694	596	721	1253	1371	1090	1099	817	814	844	863	745	975	1423	1391	1692	1657	851	575	445	417	435	615	585	505	709		
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	0
SRev Co-Gen		-1	-2	-1	0	-1	0	-1	-1	-1	0	-1	-2	0	0	-1	-2	0	-2	0	1	3	3	2	3	3	2	7	4	4	8	4	6	8	7	5	5	6	3	2	0	2	2	2	2	3	2	2	3		
Syncon		579	790	790	874	874	874	874	874	874	874	874	874	874	874	874	874	874	975	874	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	705	791	791		
Hydro		151	49	63	60	57	83	85	92	120	120	135	204	178	231	234	205	201	240	141	123	20	106	45	43	48	48	47	53	176	176	176	46	44	115	222	988	746	575	407	313	103	103	104	102	100	82	56	57		
S.Reserve Total		2313	2488	2628	2881	3052	3232	3337	3510	3662	3635	3863	3817	3694	3575	3812	3912	3664	2686	2450	1989	1548	1823	1621	1525	1671	2250	2365	2097	2042	1770	1751	1787	1821	1768	2103	2651	2595	3011	2918	2053	1571	1443	1407	1403	1592	1458	1534	1741		