

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,828 MW
Hydro	2,215 MW
Distillate	0 MW
Total TNB	<u>5,043 MW</u>
Total IPP	<u>14,895 MW</u>
Total Co-Gen	<u>68 MW</u>
Total System	<u>20,570 MW</u>

### 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:	15:30:00 Hour
Total Set On Bus	17,648 MW
TNB Generation	4,105 MW
IPP Generation	12,261 MW
Spinning Reserve	1,223 MW
Maximum Demand	16,396 MW
Net Energy	339,077 MWH
Load Factor	86.17 %

### Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	53
PAKA	145
PGPS	39
SRDG	4
TJGS	95
<b>Total TNB</b>	<b>380</b>
CBPS	49
KLPP	64
MPSS	47
NPRI	130
PGLA	97
PLPS	62
PTEK	8
SGRI	151
<b>Total IPP</b>	<b>607</b>
<b>Total Gas</b>	<b>987</b>
<b>Total Gas Required</b>	<b>987</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	47,327	13.96 %
Hydro	23,924	7.06 %
<b>Total TNB</b>	<b>71,251</b>	<b>21.01 %</b>
ST-Coal	187,525	55.30 %
Gas	79,592	23.47 %
<b>Total IPP</b>	<b>267,117</b>	<b>78.78 %</b>
Co-Gen	1,475	0.44 %
<b>Total Co-Gen</b>	<b>1,475</b>	<b>0.44 %</b>
<b>Total Generation</b>	<b>339,843</b>	<b>100.23 %</b>
PLTG	45	0.01 %
HVDC	721	0.21 %
<b>Interconnection</b>	<b>766</b>	<b>0.23 %</b>
<b>Net Energy</b>	<b>339,077</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	55,137,259.50 RM
Cost per Unit	17.45 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	699
Hydro	362
Syncon	371
Thermal	157
<b>Total</b>	<b>1,589</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	0

### 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	13156	12620	12193	11771	11613	11544	11874	11980	12342	14143	15040	15719	15772	15455	16020	16273	16346	15776	14767	14581	15426	15215	14608	14090





### Daily MW Generation on Wednesday

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																										
UJLI	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																										
UJLI	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																										
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																										
Total Hydro		800	801	772	756	708	464	336	223	218	237	216	223	258	357	473	431	456	565	684	797	1079	1413	1502	1581	1443	1470	1249	1294	1703	1790	1683	1712	1697	1716	1664	1358	1112	951	988	1413	1432	1357	1193	1184	992	1044	923	907		
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	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	
PCUF	CUFG	37	37	36	37	35	36	35	35	37	35	36	36	37	37	36	36	36	35	34	33	32	31	32	24	28	26	26	26	27	30	30	30	30	31	32	29	29	30	30	31	30	30	29	30	29	31	31			
PCUF	CUFK	29	29	29	30	29	29	29	29	30	30	29	30	30	29	28	30	31	28	29	31	27	29	28	29	29	30	30	29	29	29	29	30	30	30	31	29	29	28	29	30	30	29	30	29	30	27	29	29		
Total Co-Gen		66	66	65	67	64	65	64	64	67	65	65	66	67	66	66	64	66	67	63	63	64	59	60	60	53	57	56	56	55	56	59	59	60	61	62	59	60	59	59	59	59	60	60	58	60	56	60	60		
Total Gen		13207	12962	12643	12382	12229	12023	11851	11756	11678	11586	11595	11613	11873	12164	12027	12012	12323	13432	14178	14739	15064	15546	15800	16002	15799	15559	15472	15651	16036	16401	16308	16425	16398	16377	15809	15345	14745	14491	14643	15321	15458	15349	15229	15031	14611	14453	14057	13837		
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	31	30	30	30	30	31	31	31	31	30	30	30	30	29	29	30	30	30	30	29	29	30	30	29	29	29	29	31	31	30	30	30	30	31	31	31	31	31	31	31	31	29	29	29			
TIE-PLTG		22	31	-7	-5	6	-6	49	-5	34	43	21	0	-31	11	17	18	-49	-40	6	30	-6	50	51	-5	-2	-2	-14	-10	-14	16	6	0	22	-5	2	-15	-52	-17	32	36	1	-16	-17	-17	-28	-17	-62	26		
Interconnection		51	61	23	26	36	24	80	26	65	74	51	31	-1	41	47	48	-19	-10	35	60	24	81	81	25	27	27	17	20	16	46	35	29	52	25	33	16	-22	13	62	65	32	15	14	14	3	13	-33	56		
System Total		13156	12901	12620	12356	12193	11999	11771	11730	11613	11512	11544	11582	11874	12123	11980	11964	12342	13442	14143	14679	15040	15465	15719	15977	15772	15532	15455	15631	16020	16355	16273	16396	16346	16352	15776	15329	14767	14478	14581	15256	15426	15334	15215	15017	14608	14440	14090	13781		
SRev ST-Coal		194	190	184	203	186	190	181	195	193	328	336	345	333	172	196	169	179	185	183	180	191	186	166	187	190	192	151	146	111	162	173	156	150	134	149	127	133	111	128	137	139	134	143	138	125	130	162	167		
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	0	0	0	0	0	0
SRev CCGT-Gas		1184	1404	1612	1824	1940	1900	1951	2017	2094	1974	1935	1918	1705	1671	1900	1902	1607	1207	902	713	689	713	653	509	523	792	654	525	583	615	622	584	605	582	995	918	1058	1172	1080	859	739	779	726	710	953	859	914	1121		
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		2	2	3	1	4	3	4	4	1	3	3	2	1	2	2	4	2	1	5	5	4	9	8	8	15	11	12	12	13	12	9	9	8	7	6	9	8	9	9	9	9	8	8	10	8	12	8	8		
Syncon		953	953	953	953	953	1164	1353	1454	1454	1303	1454	1454	1454	1353	1101	1252	1252	1252	1079	777	525	525	374	374	374	187	640	640	187	187	187	187	187	187	275	275	275	275	187	187	275	360	360	547	547	698	849			
Hydro		109	108	98	76	124	157	96	108	113	245	115	108	73	75	211	102	77	45	99	438	408	249	311	232	370	530	223	178	297	210	317	288	303	284	336	454	599	760	723	587	568	555	533	542	547	495	315	180		
S.Reserve Total		2442	2657	2850	3057	3207	3414	3585	3778	3855	3853	3843	3827	3566	3273	3410	3429	3117	2690	2268	2113	1817	1682	1512	1310	1472	1712	1680	1501	1191	1199	1307	1223	1250	1190	1758	1783	2073	2327	2215	1779	1642	1751	1770	1760	2180	2043	2097	2325		