

### 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
<b>Total TNB</b>	<b>5,043 MW</b>
<b>Total IPP</b>	<b>15,120 MW</b>
<b>Total Co-Gen</b>	<b>70 MW</b>
<b>Total System</b>	<b>20,797 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	47,957	14.55 %
Hydro	13,467	4.09 %
<b>Total TNB</b>	<b>61,424</b>	<b>18.64 %</b>
ST-Coal	183,514	55.68 %
Gas	83,949	25.47 %
<b>Total IPP</b>	<b>267,463</b>	<b>81.15 %</b>
Co-Gen	1,398	0.42 %
<b>Total Co-Gen</b>	<b>1,398</b>	<b>0.42 %</b>
<b>Total Generation</b>	<b>330,285</b>	<b>100.21 %</b>
PLTG	-3	0.00 %
HVDC	694	0.21 %
<b>Interconnection</b>	<b>691</b>	<b>0.21 %</b>
<b>Net Energy</b>	<b>329,594</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:	14:30:00 Hour
Total Set On Bus	17,579 MW
TNB Generation	3,222 MW
IPP Generation	12,842 MW
Spinning Reserve	1,458 MW
Maximum Demand	16,148 MW
Net Energy	329,594 MWH
Load Factor	85.05 %

### Fuel Cost

Total Cost:	55,376,891.55 RM
Cost per Unit	17.48 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	423
Hydro	282
Syncon	866
Thermal	142
<b>Total</b>	<b>1,713</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	57
PAKA	144
PGPS	40
TJGS	96
<b>Total TNB</b>	<b>382</b>
CBPS	48
KLPP	86
MPSS	45
NPRI	138
PGLA	92
PLPS	66
SGRI	164
<b>Total IPP</b>	<b>639</b>
<b>Total Gas</b>	<b>1,021</b>

### Alternate Fuel Usage

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

**Total Gas Required 1,021**

### 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	13245	12741	12248	11880	11647	11568	11925	11992	12399	14080	14849	15571	15643	15260	15907	0	16021	15600	14576	14562	15325	15195	14685	14108





### 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																											
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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7											
Total Hydro		633	647	606	606	527	394	287	189	192	196	223	257	264	258	249	264	351	569	608	829	776	711	744	744	728	492	419	430	570	875	0	856	791	803	737	406	354	364	371	731	825	827	767	764	734	812	891	888			
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	0	
PCUF	CUFG	31	29	31	30	30	31	31	31	31	30	30	31	30	31	31	31	32	30	31	30	28	28	28	28	28	28	28	28	28	28	28	0	28	32	29	30	31	31	32	33	32	32	32	32	32	32	32	32	32	32	32
PCUF	CUFK	29	30	29	29	30	29	28	29	29	30	30	30	28	29	28	29	30	28	30	28	29	29	29	29	28	29	30	29	30	29	0	28	30	29	29	29	29	30	29	29	31	29	30	28	28	30	30	30	30		
Total Co-Gen		60	59	60	59	60	60	59	60	60	60	61	58	60	59	60	62	58	61	58	57	57	57	57	56	57	58	57	58	57	0	56	62	58	59	60	60	61	63	61	61	63	61	61	63	61	62	60	60	62	62	
Total Gen		13267	12977	12761	12549	12289	12098	11934	11834	11658	11597	11625	11707	12004	12205	12079	12057	12412	13397	14015	14599	14935	15164	15672	15804	15687	15441	15326	15527	15841	16121	0	16104	15989	15911	15665	15169	14633	14375	14538	15169	15335	15374	15215	15084	14727	14407	14094	13851			
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	0	0
TIE-HVDC		30	30	30	30	31	31	31	31	31	31	31	31	31	31	30	29	29	29	30	30	31	1	30	30	30	30	29	29	0	31	30	31	31	30	30	30	30	30	30	30	30	29	29	29	30	30	30	30	30		
TIE-PLTG		-7	-47	-11	-1	10	17	23	17	-20	62	26	22	49	59	56	38	-17	64	-94	43	56	-31	71	5	14	5	36	-23	-95	-56	0	-22	-61	-25	34	65	27	-15	-54	-11	-20	-19	-9	1	12	-65	-45	-67			
Interconnection		22	-18	20	29	41	48	54	47	11	93	57	53	79	89	87	69	13	93	-65	72	86	-1	101	5	44	34	66	8	-66	-27	0	8	-32	6	65	94	57	16	-24	19	10	11	20	30	42	-35	-14	-37			
System Total		13245	12995	12741	12520	12248	12050	11880	11787	11647	11504	11568	11654	11925	12116	11992	11988	12399	13304	14080	14527	14849	15165	15571	15799	15643	15407	15260	15519	15907	16148	0	16096	16021	15905	15600	15075	14576	14359	14562	15150	15325	15363	15195	15054	14685	14442	14108	13888			
SRev ST-Coal		174	176	182	181	169	173	185	188	430	503	504	500	498	306	191	191	180	184	150	176	177	193	193	178	186	171	159	136	134	143	0	127	129	123	139	139	125	126	120	132	131	127	137	131	138	122	133	141			
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	0
SRev CCGT-Gas		1447	1693	1862	2067	2172	2220	2265	2266	2202	2193	2193	2145	1856	1845	2077	2115	1860	1084	645	699	569	722	379	260	352	378	488	320	149	164	0	177	231	323	488	654	1009	993	845	560	489	458	545	680	721	892	481	713			
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	0
SRev Co-Gen		10	11	10	11	10	10	11	10	10	10	9	12	10	11	10	8	12	9	12	13	13	13	14	13	12	13	12	13	12	13	0	14	8	12	11	10	10	9	7	9	9	7	9	8	10	10	8	8			
Syncon		1000	1000	1000	1000	1126	1227	1353	1454	1454	1454	1454	1454	1454	1454	1454	1454	1353	1000	1000	1000	1000	849	849	1000	1252	1252	1252	975	698	0	849	849	849	1000	1353	1454	1454	1454	1126	939	939	939	788	939	788	939	939				
Hydro		128	114	155	155	108	140	121	118	115	111	108	74	67	73	82	67	76	211	172	101	160	225	381	381	285	194	167	156	293	440	0	308	373	361	276	154	105	95	88	156	249	247	307	461	340	413	145	148			
S.Reserve Total		2759	2994	3209	3414	3585	3770	3935	4036	4211	4271	4269	4182	3887	3688	3815	3837	3482	2496	1981	1993	1919	2153	1815	1681	1837	2008	2078	1877	1563	1458	0	1475	1590	1668	1914	2310	2703	2677	2514	1983	1817	1778	1937	2068	2148	2225	1706	1949			