

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,134 MW
Hydro	2,316 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,450 MW</b>
<b>Total IPP</b>	<b>13,605 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,336 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	38,019	12.20 %
Hydro	11,733	3.76 %
<b>Total TNB</b>	<b>49,752</b>	<b>15.96 %</b>
ST-Coal	170,661	54.75 %
Gas	91,174	29.25 %
<b>Total IPP</b>	<b>261,835</b>	<b>84.00 %</b>
Co-Gen	964	0.31 %
<b>Total Co-Gen</b>	<b>964</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>312,551</b>	<b>100.27 %</b>
PLTG	129	0.04 %
HVDC	728	0.23 %
<b>Interconnection</b>	<b>857</b>	<b>0.27 %</b>
<b>Net Energy</b>	<b>311,694</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	15,934 MW
TNB Generation	2,738 MW
IPP Generation	11,509 MW
Spinning Reserve	1,647 MW
Maximum Demand	14,224 MW
Net Energy	311,694 MWH
Load Factor	91.31 %

### Fuel Cost

Total Cost:	50,555,980.35 RM
Cost per Unit	16.81 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	461
Hydro	267
Syncon	878
Thermal	191
<b>Total</b>	<b>1,797</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	32
PAKA	105
PGPS	42
TJGS	110
<b>Total TNB</b>	<b>291</b>
CBPS	55
KLPP	71
MPSS	36
NPRI	158
PGLA	111
PLPS	83
SGB3	41
SGRI	71
SKSP	45
<b>Total IPP</b>	<b>670</b>
<b>Total Gas</b>	<b>961</b>
<b>Total Gas Required</b>	<b>961</b>

### 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	13226	12678	12293	11957	11773	11538	11606	11643	11458	12617	13430	13919	13862	13488	13740	13610	13481	13328	13049	13274	14218	14108	13787	13363





### 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																											
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3																	
UPIA	HY02	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	2	2	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																
Total Hydro		360	363	432	429	304	273	265	178	178	174	176	183	174	179	173	167	163	215	262	524	733	748	754	835	841	532	531	572	588	588	595	595	529	423	301	238	234	231	235	657	1025	1070	935	597	732	905	960	937			
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	CUFK	41	40	40	41	41	40	41	41	40	39	40	39	39	41	40	40	41	41	41	38	40	40	41	39	40	43	40	40	42	41	39	40	41	40	38	40	39	41	41	40	40	40	40	40	40	41	41	40	38		
Total Co-Gen		41	40	40	41	41	40	41	41	40	39	40	39	39	41	40	40	41	41	41	38	40	40	41	39	40	43	40	40	42	41	39	40	41	40	38	40	39	41	41	40	40	40	40	40	40	41	41	40	38		
Total Gen		13262	12961	12700	12488	12311	12134	11953	11814	11769	11636	11554	11621	11661	11647	11692	11574	11524	12184	12622	13081	13495	13725	13992	14095	13928	13689	13573	13634	13771	13723	13635	13561	13478	13464	13341	13182	13089	13102	13309	13980	14262	14287	14178	13995	13921	13562	13403	13203			
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	
TIE-HVDC		30	31	31	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31		
TIE-PLTG		6	-57	-9	0	-12	2	-35	-58	-35	28	-15	32	25	19	20	77	36	50	-25	15	36	39	43	46	36	-23	54	19	0	0	-6	-29	-35	-36	-18	-21	10	16	5	-51	14	33	40	6	104	-81	9	-15			
Interconnection		36	-26	22	30	18	33	-4	-27	-4	59	16	62	55	48	49	107	66	80	5	45	65	70	73	77	66	8	85	50	31	31	25	2	-3	-5	13	9	40	46	35	-21	44	63	70	36	134	-50	40	16			
System Total		13226	12987	12678	12458	12293	12101	11957	11841	11773	11577	11538	11559	11606	11599	11643	11467	11458	12104	12617	13036	13430	13655	13919	14018	13862	13681	13488	13584	13740	13692	13610	13559	13481	13469	13328	13173	13049	13056	13274	14001	14218	14224	14108	13959	13787	13612	13363	13187			
SRev ST-Coal		158	165	174	164	221	241	271	303	320	318	306	304	300	315	318	267	268	260	249	253	249	254	255	267	258	145	144	139	113	140	148	153	210	153	105	162	162	163	155	148	156	165	177	168	191	146	164	169			
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		1182	1062	848	848	792	870	911	845	828	950	1055	988	943	953	992	1185	1380	778	631	499	430	310	272	247	518	459	572	557	464	526	411	481	388	294	341	494	582	567	372	129	504	515	477	389	576	555	750	920			
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		-21	-20	-20	-21	-21	-20	-21	-21	-20	-19	-20	-19	-21	-21	-20	-20	-21	-21	-18	-20	-20	-21	-19	-20	-23	-20	-20	-22	-21	-19	-20	-21	-20	-18	-20	-19	-21	-21	-20	-20	-20	-20	-20	-20	-20	-21	-21	-20	-18		
Syncon		864	864	864	864	1116	1116	1116	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1116	914	914	914	914	914	914	914	914	914	914	914	914	914	1116	1267	1267	1267	1267	1267	914	763	763	763	763	763	763	612	612				
Hydro		341	338	269	272	145	176	184	120	124	122	115	124	119	125	131	135	83	237	277	168	153	147	209	354	262	263	297	306	306	299	299	215	219	189	152	156	159	155	386	169	224	359	447	312	139	235	258				
S.Reserve Total		2524	2409	2135	2127	2253	2383	2461	2514	2515	2640	2730	2655	2615	2633	2682	2830	3029	2367	2212	1925	1741	1611	1567	1625	1880	1764	1880	1894	1782	1872	1753	1827	1706	1762	1884	2055	2148	2135	1928	1557	1572	1647	1756	1747	1821	1582	1741	1941			