

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,747 MW
Hydro	2,126 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,873 MW</b>
<b>Total IPP</b>	<b>13,087 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>19,242 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	53,463	17.14 %
Hydro	18,031	5.78 %
<b>Total TNB</b>	<b>71,494</b>	<b>22.93 %</b>
ST-Coal	152,157	48.79 %
Gas	81,553	26.15 %
Distillate	4,766	1.53 %
<b>Total IPP</b>	<b>238,476</b>	<b>76.47 %</b>
Co-Gen	429	0.14 %
<b>Total Co-Gen</b>	<b>429</b>	<b>0.14 %</b>
<b>Total Generation</b>	<b>310,399</b>	<b>99.54 %</b>
PLTG	-516	-0.17 %
HVDC	-934	-0.30 %
<b>Interconnection</b>	<b>-1,450</b>	<b>-0.46 %</b>
<b>Net Energy</b>	<b>311,849</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:	21:30:00 Hour
Total Set On Bus	15,645 MW
TNB Generation	3,931 MW
IPP Generation	10,663 MW
Spinning Reserve	1,037 MW
Maximum Demand	14,691 MW
Net Energy	311,849 MWH
Load Factor	88.45 %

### Fuel Cost

Total Cost:	39,503,228.20 RM
Cost per Unit	13.51 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	578
Hydro	322
Syncon	359
Thermal	130
<b>Total</b>	<b>1,389</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	56
PAKA	103
PGPS	4
SRDG	4
TJGS	187
<b>Total TNB</b>	<b>413</b>
CBPS	55
KLPP	94
NPRI	152
PGLA	112
PLPS	81
SGRI	106
<b>Total IPP</b>	<b>600</b>
<b>Total Gas</b>	<b>1,012</b>

**Total Gas Required 1,053**

### Alternate Fuel Usage

Station	(mmscfd)
KLPP	10
PLPS	10
SGRI	20
<b>Total</b>	<b>40</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	14146	13493	13148	12697	12485	12298	12021	11370	10994	11595	12232	12766	12737	12814	13179	13323	13500	13179	12957	13162	14031	14530	14608	14449





### Daily MW Generation on Sunday

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 Hydro		1432	932	754	581	383	277	183	180	175	176	178	176	175	174	343	341	347	377	386	412	439	727	736	820	791	597	570	575	733	689	611	763	1271	1158	1018	840	816	832	747	1398	1426	1529	1510	1533	1532	1523	1523	1170				
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	120	119	120	120	121	122	121	120	122	121	122	123	23	0	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	48	112	146	145	146	146	146	147	147	148	148	147	49	0
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	112	113	112	116	116	118	118	119	119	119	119	119	119	119
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	120	120	122	122	123	123	123	123	124	124	123
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	146	280	344	455	501	503	508	507	509	511	511	512	513	315	242
PCUF	CUFG	4	5	5	5	5	5	5	7	6	6	6	6	5	7	6	6	5	5	5	4	4	2	3	2	2	2	1	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-2	-4	-3	-3	-4	-3	-2	-2	-4	-3	-1	-1			
PCUF	CUFK	17	16	16	16	18	17	16	17	16	16	17	17	16	16	17	17	16	16	16	15	15	14	16	15	15	15	16	16	16	16	16	16	16	16	16	16	16	17	17	16	15	18	16	17	18	17	16	15	18	18	17	
Total Co-Gen		21	21	21	21	23	22	21	22	21	23	23	22	21	21	20	20	18	18	17	16	18	16	11	11	12	12	12	13	14	14	11	15	13	13	15	15	14	11	15	14	11	15	17	16								
Total Gen		14115	13656	13417	13217	13006	12867	12630	12446	12420	12344	12237	12070	11992	11824	11434	10955	10969	11242	11514	11833	12201	12501	12688	12811	12730	12654	12754	12880	13079	13059	13202	13337	13471	13210	13098	12877	12909	13039	13049	13770	13998	14394	14503	14608	14584	14508	14418	14108				
TIE-BGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-29	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-28	-28	-29	-29	-97	-98	-97	-97	-98	-98	-30	-30	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-98						
TIE-PLTG		-2	-60	-47	-42	-114	-24	-38	-45	-36	-41	-32	-42	-1	-25	93	6	4	8	-52	-7	-1	22	-49	-18	22	-8	-30	-52	-71	-81	-93	-93	-1	61	18	-21	49	38	-15	-31	-4	-48	2	-54	5	-27	-2	-52				
Interconnection		-31	-89	-76	-70	-142	-53	-67	-74	-65	-69	-61	-70	-29	-54	64	-23	-25	-22	-81	-37	-31	-6	-78	-47	-7	-38	-60	-81	-100	-109	-121	-122	-29	-36	-81	-118	-48	-60	-113	-61	-33	-78	-27	-83	-24	-55	-31	-151				
System Total		14146	13745	13493	13287	13148	12920	12697	12520	12485	12413	12298	12140	12021	11878	11370	10978	10994	11264	11595	11870	12232	12507	12766	12858	12737	12692	12814	12961	13179	13168	13323	13459	13500	13246	13179	12995	12957	13099	13162	13831	14031	14472	14530	14691	14608	14563	14449	14259				
SRev ST-Coal		112	109	113	109	108	60	130	109	31	122	115	56	61	120	118	64	151	167	170	143	156	183	160	175	113	135	116	120	117	125	132	120	118	131	112	127	135	133	141	113	133	120	107	121	180	188	109	147				
SRev CCGT-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		614	495	415	444	462	541	507	578	675	681	774	947	1018	1127	1686	2219	2214	1955	1668	1421	1067	1027	872	590	551	616	542	420	433	432	451	483	945	479	784	1020	1071	1081	981	1012	794	567	454	379	401	463	474	553				
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 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	0	
SRev Co-Gen		6	6	6	6	4	5	6	5	6	4	4	4	5	4	6	4	4	4	5	6	6	7	7	9	9	10	11	9	11	16	16	15	15	15	14	13	16	12	14	14	12	12	13	16	12	10	11					
Syncon		151	554	639	640	826	826	826	952	952	952	952	952	851	851	851	851	851	851	700	624	624	473	624	599	750	750	473	387	538	538	0	0	302	539	665	665	579	0	0	0	0	0	0	0	0	0	0	302				
Hydro		184	128	121	182	170	151	120	125	127	126	124	126	127	128	160	162	156	126	117	91	215	228	244	311	189	308	184	179	198	353	255	316	346	459	397	338	361	345	516	444	416	463	459	460	469	469	320					
S.Reserve Total		1067	1292	1294	1381	1570	1583	1589	1641	1791	1885	1969	2085	2163	2331	2821	3300	3376	3103	2831	2512	2144	2069	1907	1558	1486	1668	1603	1478	1232	1313	1390	1468	1419	1374	1765	2129	2366	2315	2302	1651	1426	1229	1120	1037	1121	1195	1323	1571				