

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,285 MW
Hydro	2,357 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,642 MW</b>
<b>Total IPP</b>	<b>14,693 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,335 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	40,775	13.42 %
Hydro	9,870	3.25 %
<b>Total TNB</b>	<b>50,645</b>	<b>16.67 %</b>
ST-Coal	171,804	56.54 %
Gas	81,003	26.66 %
<b>Total IPP</b>	<b>252,807</b>	<b>83.19 %</b>
Co-Gen	468	0.15 %
<b>Total Co-Gen</b>	<b>468</b>	<b>0.15 %</b>
<b>Total Generation</b>	<b>303,920</b>	<b>100.01 %</b>
PLTG	732	0.24 %
HVDC	-697	-0.23 %
<b>Interconnection</b>	<b>35</b>	<b>0.01 %</b>
<b>Net Energy</b>	<b>303,885</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:	19:30:00 Hour
Total Set On Bus	16,649 MW
TNB Generation	2,686 MW
IPP Generation	11,477 MW
Spinning Reserve	2,467 MW
Maximum Demand	14,180 MW
Net Energy	303,885 MWH
Load Factor	89.29 %

### Fuel Cost

Total Cost:	40,123,026.95 RM
Cost per Unit	13.65 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	786
Hydro	167
Syncon	1,069
Thermal	192
<b>Total</b>	<b>2,214</b>

Time	Weather	Temperature
Afternoon	Hot	28
Morning	Cloudy	29

### Gas Usage

Station	(mmscfd)
CBPS	4
GLGR	55
PAKA	0
SRDG	12
TJGS	220
<b>Total TNB</b>	<b>291</b>
CBPS	55
KLPP	95
MPSS	18
NPRI	125
PDPS	14
PGLA	91
PLPS	62
PTEK	10
SGRI	139
<b>Total IPP</b>	<b>609</b>
<b>Total Gas</b>	<b>900</b>
<b>Total Gas Required</b>	<b>900</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	12748	12231	11675	11486	11262	11124	11236	11105	11146	12215	13086	13457	13500	13114	13348	13324	13306	13092	12926	13472	14079	13919	13464	13200





### 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																										
PCUF	CUCG	2	2	3	3	2	2	3	2	2	3	2	3	2	3	3	2	1	1	0	0	0	0	0	-1	0	0	0	0	1	0	1	1	1	1	1	1	1	0	1	0	1	1	1	1						
PCUF	CUPK	19	17	18	18	17	18	18	19	19	19	18	17	18	18	19	19	18	16	17	17	18	19	18	19	21	17	18	28	17	18	19	18	17	18	17	18	17	18	16	18	16	19	17	17	19					
Total Co-Gen		21	19	21	21	19	20	21	21	22	20	20	21	21	20	22	22	21	19	17	17	18	19	17	19	21	17	18	29	17	19	20	19	18	19	18	19	17	18	17	19	18	18	18	20						
Total Gen		12755	12403	12237	11892	11653	11570	11480	11352	11252	11136	11097	11078	11191	11257	11103	10986	11125	11721	12175	12589	13046	13409	13436	13578	13482	13168	13134	13194	13325	13443	13289	13316	13312	13324	13155	13034	13018	12950	13532	14182	14151	14046	13933	13871	13547	13371	13195	12969		
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				
TIE-HVDC		-28	-30	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28				
TIE-PLTG		35	79	35	13	8	34	24	-23	19	29	2	32	-16	61	28	39	9	-3	-12	-5	-11	59	9	11	12	7	48	12	6	66	-7	15	35	20	92	29	120	-18	89	31	101	30	43	122	112	48	23	-29		
Interconnection		7	49	6	-16	-22	4	-6	-53	-10	0	-27	3	-45	32	-2	10	-21	-33	-40	-33	-40	31	-21	-18	-18	-22	20	-17	-23	37	-35	-13	6	-9	63	0	92	-46	60	2	72	1	14	92	83	19	-5	-58		
System Total		12748	12354	12231	11908	11675	11566	11486	11405	11262	11136	11124	11075	11236	11225	11105	10976	11146	11754	12215	12622	13086	13378	13457	13596	13500	13190	13114	13211	13348	13406	13324	13329	13306	13333	13082	13034	12926	12996	13472	14180	14079	14045	13919	13779	13464	13352	13200	13027		
SRev ST-Coal		220	224	195	212	216	219	214	223	218	276	261	265	261	265	163	157	168	166	165	275	161	170	168	167	163	169	167	176	169	258	260	261	257	256	255	260	260	228	240	228	235	205	189	113	123	102	101	142		
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		530	591	397	738	958	1036	1144	1256	1358	1415	1472	1482	1377	1328	1453	1596	1428	855	650	798	602	435	411	271	370	578	610	545	455	877	1373	1288	1279	1188	1302	1468	1599	1616	1279	1026	1059	897	839	771	733	688	414	591		
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		29	31	29	29	31	30	29	29	29	28	30	30	30	29	29	30	30	28	28	29	31	33	33	33	32	31	33	31	29	33	32	21	33	31	30	31	32	31	32	31	33	32	33	31	32	32	32	30		
Syncon		1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1152	788	788	788	788	788	763	914	914	1015	662	849	849	662	662	788	1101	1101	1202	1303		
Hydro		132	132	129	116	129	132	120	127	130	132	127	132	128	259	112	242	109	90	72	112	114	109	108	107	109	110	112	110	256	125	123	184	186	276	350	161	189	163	261	236	328	306	276	287	193	125	141	89		
S.Reserve Total		2214	2281	2053	2398	2637	2720	2810	2938	3038	3154	3193	3212	3099	3033	3060	3177	3038	2442	2218	2517	2211	2050	2023	1881	1977	2191	2225	2165	2061	2081	2578	2544	2545	2540	2703	2836	2997	3056	2645	2467	2504	2328	2221	2283	2342	2076	1918	2155		