

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,361 MW
Hydro	2,507 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,868 MW</b>
<b>Total IPP</b>	<b>13,805 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,237 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	35,460	11.17 %
Hydro	17,152	5.40 %
<b>Total TNB</b>	<b>52,612</b>	<b>16.58 %</b>
ST-Coal	156,968	49.46 %
Gas	106,920	33.69 %
<b>Total IPP</b>	<b>263,888</b>	<b>83.14 %</b>
Co-Gen	1,095	0.35 %
<b>Total Co-Gen</b>	<b>1,095</b>	<b>0.35 %</b>
<b>Total Generation</b>	<b>317,595</b>	<b>100.07 %</b>
PLTG	-520	-0.16 %
HVDC	729	0.23 %
<b>Interconnection</b>	<b>209</b>	<b>0.07 %</b>
<b>Net Energy</b>	<b>317,386</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 10/23/2017	17,790 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	15,781 MW
TNB Generation	2,760 MW
IPP Generation	11,716 MW
Spinning Reserve	1,261 MW
Maximum Demand	14,501 MW
Net Energy	317,386 MWH
Load Factor	91.20 %

### Fuel Cost

Total Cost:	53,859,611.26 RM
Cost per Unit	17.93 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	480
Hydro	322
Syncon	1,066
Thermal	159
<b>Total</b>	<b>2,027</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	219
<b>Total TNB</b>	<b>248</b>
CBPS	55
KLPP	104
NPRI	160
PGLA	104
PLPS	83
SGB3	10
SGRI	64
SKSP	55
YPKA	86
<b>Total IPP</b>	<b>721</b>
<b>Total Gas</b>	<b>969</b>
<b>Total Gas Required</b>	<b>969</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	13601	13126	12660	12334	12049	11929	11926	11841	11754	12813	13451	14037	13876	13619	13780	13751	13846	13610	13292	13704	14393	14269	13771	13465





### 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	CUFG	34	34	35	35	37	37	37	37	37	38	37	35	36	36	37	36	37	36	37	37	35	35	34	36	35	35	36	35	36	35																				
PCUF	CUFK	8	10	9	8	10	10	10	10	10	10	11	11	12	9	9	10	10	9	10	10	10	11	10	9	11	10	10	12	11	8	10	8	10	9	9	10	9	9	8	9	9	10	11							
Total Co-Gen		42	44	44	43	47	47	47	47	47	48	47	46	47	48	46	46	46	46	48	46	43	46	46	44	48	47	44	47	43	46	45	44	45	44	45	44	43	44	44	44	46	46								
Total Gen		13657	13335	13085	12860	12662	12527	12390	12119	12051	11990	11942	12011	11946	12019	11876	11747	11740	12294	12769	13246	13414	13851	14035	14053	13866	13604	13602	13785	13787	13950	13736	13779	13822	13815	13642	13458	13331	13357	13684	14520	14416	14337	14343	14020	13821	13738	13461	13380		
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			
TIE-HVDC		30	31	31	30	30	30	30	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	30	30		
TIE-PLTG		26	-21	-71	-21	-29	-27	25	7	-28	-10	-18	-32	-11	-34	4	-22	-45	-14	-74	-26	-68	-34	-33	-7	-40	-24	-47	-17	-24	-7	-45	-23	-54	-30	2	-3	8	2	-50	-12	-7	-33	44	-22	19	-55	-34	-29		
Interconnection		56	9	-41	9	2	3	56	38	2	20	13	-1	20	-3	35	9	-14	17	-44	5	-37	-3	-2	24	-10	6	-17	13	7	23	-15	8	-24	-1	32	28	39	32	-20	19	23	-3	74	9	50	-25	-4	1		
System Total		13601	13326	13126	12851	12660	12524	12334	12081	12049	11970	11929	12012	11926	12022	11841	11738	11754	12277	12813	13241	13451	13854	14037	14029	13876	13598	13619	13772	13780	13927	13751	13771	13846	13816	13610	13430	13292	13325	13704	14501	14393	14340	14269	14011	13771	13763	13465	13379		
SRev ST-Coal		111	67	220	191	143	179	178	152	163	162	177	169	158	152	159	157	144	169	166	156	151	160	141	166	164	174	155	156	170	163	184	158	110	98	106	113	107	114	101	149	164	156	153	167	168	161	163	161		
SRev OCCT-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		1460	1602	1623	1661	1726	1491	1279	1065	1126	1211	1226	1182	1239	1321	1445	1607	1604	974	577	674	632	414	311	427	576	706	736	559	628	339	313	231	194	407	507	673	705	590	464	350	452	476	374	555	445	627	688	642		
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		15	13	13	14	10	10	10	10	9	10	11	10	9	11	11	11	11	11	9	11	12	10	11	10	9	11	14	11	11	13	9	10	13	10	14	11	12	13	12	13	14	13	14	13	13	13	11	11		
Syncon		1079	1079	1079	1079	1164	1164	1164	1164	1013	1164	1164	1164	1164	1013	1164	1013	1038	887	1038	1164	1079	1079	1164	1265	1265	1265	1351	1351	1351	1351	1351	1200	1200	1200	1351	1351	1099	277	277	428	615	928	1079	1079	928	928				
Hydro		407	408	389	398	349	321	352	357	348	473	340	321	342	333	344	471	342	472	370	348	229	234	330	342	375	393	391	378	364	340	357	338	335	301	196	210	156	158	221	472	460	371	281	128	95	83	233	146		
S.Reserve Total		3072	3169	3324	3343	3392	3165	2983	2748	2811	2868	2917	2847	2913	2979	3123	3259	3265	2639	2162	2076	2059	1983	1873	2024	2290	2548	2556	2369	2527	2204	2216	2091	1999	2016	2022	2206	2333	2224	1897	1261	1365	1444	1437	1791	1800	1963	2023	1688		