

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,516 MW
Hydro	1,843 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,359 MW</b>
<b>Total IPP</b>	<b>15,651 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>20,574 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	39,384	11.12 %
Hydro	20,755	5.86 %
<b>Total TNB</b>	<b>60,139</b>	<b>16.98 %</b>
ST-Coal	207,642	58.61 %
Gas	85,137	24.03 %
<b>Total IPP</b>	<b>292,779</b>	<b>82.65 %</b>
Co-Gen	1,368	0.39 %
<b>Total Co-Gen</b>	<b>1,368</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>354,286</b>	<b>100.01 %</b>
PLTG	736	0.21 %
HVDC	-698	-0.20 %
<b>Interconnection</b>	<b>38</b>	<b>0.01 %</b>
<b>Net Energy</b>	<b>354,248</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:	15:30:00 Hour
Total Set On Bus	18,172 MW
TNB Generation	3,226 MW
IPP Generation	13,528 MW
Spinning Reserve	1,363 MW
Maximum Demand	16,827 MW
Net Energy	354,248 MWH
Load Factor	87.72 %

### Fuel Cost

Total Cost:	58,957,908.73 RM
Cost per Unit	17.68 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	578
Hydro	199
Syncon	454
Thermal	152
<b>Total</b>	<b>1,383</b>

### Time Weather Temperature

Afternoon	Rainy	33
Morning	Cloudy	25

### Gas Usage

Station	(mmscfd)
GLGR	51
SRDG	10
TJGS	221
<b>Total TNB</b>	<b>281</b>

CBPS	56
KLPP	99
MPSS	3
NPRI	73
PLPS	87
PTEK	12
SGB3	84
SGRI	74
SKSP	19
YPKA	78
<b>Total IPP</b>	<b>585</b>

<b>Total Gas</b>	<b>867</b>
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<b>Total Gas Required</b>	<b>867</b>
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### 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	14028	13370	12978	12486	12253	12173	12571	12562	12890	14643	15594	16363	16353	16048	16527	16702	16706	16240	15226	15610	16140	15904	15308	14902





### Daily MW Generation on Wednesday

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	29	30	30	29	30	29	31	30	29	30	29	30	30	30	29	27	28	27	27	27	24	27	26	25	25	25	24	24	24	26	24	25	25	28	28	27	27	27	27	27	27	27	27	27	27	27				
PCUF	CUFK	30	30	30	28	29	30	30	28	30	29	30	32	31	28	29	28	29	30	28	29	30	30	29	29	30	29	30	31	29	29	29	28	30	29	31	29	28	31	30	30	31	30	30	30	29	31	29			
Total Co-Gen		59	60	60	57	59	59	61	58	59	59	59	60	62	61	58	58	55	57	57	55	56	54	57	55	54	55	54	54	55	53	55	53	53	55	57	59	56	55	58	57	57	58	57	57	56	58	56			
Total Gen		14003	13714	13388	13094	12970	12721	12490	12417	12262	12224	12225	12299	12565	12801	12579	12449	12931	13851	14669	15160	15985	15882	16343	16479	16339	16068	16019	16305	16317	16743	16695	16809	16734	16613	16293	15746	15216	15079	15620	16208	16128	16041	15883	15964	15371	15256	14871	14600		
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-28				
TIE-PLTG		4	23	47	75	21	35	33	14	38	23	81	72	23	59	46	78	70	26	55	16	31	34	9	18	14	14	0	4	19	-10	22	11	57	17	82	16	20	64	39	-23	17	5	9	-13	93	9	-3	78		
Interconnection		-25	-6	18	47	-8	6	4	-15	9	-6	52	43	-6	30	17	59	41	-3	26	-13	1	5	-20	-11	-14	-15	-29	-25	-10	-39	-7	-18	28	-12	53	-14	-10	35	10	-52	-12	-26	-21	-42	63	-19	-31	49		
System Total		14028	13720	13370	13047	12978	12715	12486	12432	12253	12230	12173	12256	12571	12771	12562	12399	12890	13954	14643	15173	15594	15977	16363	16490	16353	16083	16048	16330	16527	16782	16702	16827	16706	16625	16240	15760	15226	15044	15610	16260	16140	16067	15904	16006	15308	15275	14902	14551		
SRev ST-Coal		348	361	342	360	325	337	351	377	359	288	332	230	332	369	366	358	301	419	425	328	277	85	74	111	119	105	78	105	67	109	140	131	143	123	128	134	134	136	112	124	135	137	115	124	132	128	132	140		
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		695	930	804	850	579	652	783	820	1032	1155	1206	1269	1174	950	1122	1310	1047	1029	882	548	194	497	369	196	388	339	371	307	201	412	701	604	516	426	592	869	1106	1181	659	427	517	603	660	462	753	871	827	809		
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		1	0	0	3	1	-2	-4	-1	-2	-2	-2	-3	-5	-4	-1	-1	2	0	0	2	1	3	0	2	3	2	3	3	2	4	2	4	4	2	0	-2	1	2	-1	0	0	-1	0	0	1	-1	1			
Syncon		712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	500	187	187	187	500	500	500	500	187	187	187	374	500	626	626	626	626	626	500	500	500	626	626	626	626	626	626			
Hydro		147	139	137	138	132	135	148	134	150	136	137	154	133	109	137	143	134	145	153	159	143	167	292	407	416	381	398	221	161	188	260	255	167	101	64	147	289	298	202	183	161	180	78	255	175	125	261	366		
S.Reserve Total		1903	2142	1995	2063	1749	1834	1990	2042	2251	2289	2385	2363	2348	2135	2333	2522	2193	2307	2177	1747	1328	1250	997	1092	1232	1478	1497	1286	1074	1079	1477	1363	1388	1278	1490	1776	2173	2242	1601	1233	1313	1420	1478	1467	1686	1751	1645	2092		