

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,476 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,267 MW</b>
<b>Total IPP</b>	<b>13,373 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>18,697 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	49,513	14.09 %
Hydro	35,674	10.15 %
<b>Total TNB</b>	<b>85,187</b>	<b>24.24 %</b>
ST-Coal	140,597	40.00 %
ST-Gas	37	0.01 %
ST-Oil	6,194	1.76 %
Gas	105,159	29.92 %
Distillate	13,100	3.73 %
<b>Total IPP</b>	<b>265,087</b>	<b>75.42 %</b>
Co-Gen	1,076	0.31 %
<b>Total Co-Gen</b>	<b>1,076</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>351,350</b>	<b>99.96 %</b>
PLTG	-31	-0.01 %
HVDC	-104	-0.03 %
<b>Interconnection</b>	<b>-135</b>	<b>-0.04 %</b>
<b>Net Energy</b>	<b>351,485</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:	16:00:00 Hour
Total Set On Bus	18,068 MW
TNB Generation	4,386 MW
IPP Generation	12,405 MW
Spinning Reserve	1,234 MW
Maximum Demand	16,970 MW
Net Energy	351,485 MWH
Load Factor	86.30 %

### Fuel Cost

Total Cost:	63,888,037.60 RM
Cost per Unit	20.24 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	487
Hydro	289
Syncon	318
Thermal	84
<b>Total</b>	<b>1,178</b>

### Time Weather Temperature

Afternoon	Sunny	35
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	36
PGPS	45
SRDG	12
TJGS	216
<b>Total TNB</b>	<b>365</b>

CBPS	56
KLPP	69
MPSS	43
NPRI	80
PDPS	8
PGLA	105
PLPS	77
PTEK	14
SGB3	65
SGRI	101
SKSP	41
YPKA	94
PKLG	0
<b>Total IPP</b>	<b>752</b>

**Total Gas 1,117**

**Total Gas Required 1,296**

### Alternate Fuel Usage

Station	(mmscfd)
PGLA	9
PTEK	4
KLPP	34
PGLA	9
PLPS	11
SGB3	17
SGRI	33
PKLG	63
<b>Total</b>	<b>179</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	13451	12878	12351	12087	11848	11688	11874	12135	12817	14711	15716	16297	16258	16007	16581	16859	16970	16618	15475	15829	16186	15874	15422	15015





### Daily MW Generation on Monday

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																												
PGAU	HY01	23	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	38	81	21	79	110	110	109	109	109	110	109	109	-1	-1	-1	-1	19	19	22	22	-1	-1	-1	-1	-1	-1											
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	84	82	83	83	131	112	113	113	83	112	111	111	111	112	112	-1	-1	-1	-1	22	22	21	-1	-1	-1	-1	-1	-1	-1								
PGAU	HY03	111	80	22	23	23	23	113	-1	-1	-1	-1	-1	-1	22	-1	84	22	108	111	81	143	145	145	145	145	144	144	144	144	144	82	-1	-1	112	111	111	111	113	81	-1	-1	-1	-1									
PGAU	HY04	113	81	82	81	0	0	0	0	0	0	0	0	0	0	83	84	113	148	111	144	145	145	146	146	146	145	145	145	145	145	81	23	22	113	112	112	112	113	82	83	0	0	0	0								
SIHY	HY01	30	48	48	30	0	0	0	0	0	0	0	0	0	0	50	49	49	49	49	49	48	48	48	48	48	48	48	48	48	30	0	0	49	48	30	0	0	0	0	0	0	0	0	0								
SIHY	HY02	30	50	50	30	0	0	0	0	0	0	0	0	0	0	52	51	51	51	51	51	51	51	51	51	51	51	51	51	51	30	0	0	50	50	30	0	0	0	0	0	0	0	0	0								
SIHY	HY03	30	50	50	30	0	0	0	0	0	0	0	0	0	0	21	51	51	50	50	50	50	50	50	50	50	50	50	50	50	30	16	0	50	50	30	0	0	0	0	0	0	0	0	0								
SYPS	HY01	25	25	25	17	0	0	0	0	0	0	0	0	0	0	9	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	16	0	0	25	25	25	16	16	0	0	0	0	0	0	0							
SYPS	HY02	25	25	25	17	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	16	0	0	25	25	25	17	17	0	0	0	0	0	0	0	0							
SYPS	HY03	25	25	25	17	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	16	0	0	25	25	25	17	17	0	0	0	0	0	0	0	0							
SYPS	HY04	25	25	25	17	5	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	16	0	0	25	25	25	17	17	0	0	0	0	0	0	0	0							
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	82					
TMGR	HY02	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	82	84	82	84	85	84	85	84	85	84	84	84	84	81	84	83	84	84					
TMGR	HY03	79	79	79	79	79	79	79	79	79	79	79	79	79	79	80	79	77	79	78	79	79	79	79	79	79	79	79	79	76	77	76	77	77	77	77	77	77	77	77	77	73	77	76	78	78	78	78	78				
TMGR	HY04	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	79	81	79	81	81	81	81	81	81	81	81	81	81	77	81	79	81	81	81					
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	-1	-1	92	88	92	182	182	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	88	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7					
Total Hydro		1481	1456	1366	1278	1050	1045	1143	1060	1093	1113	1103	1106	1115	1106	1109	1151	1145	1320	1302	1668	2002	1738	1861	2040	2007	2038	2098	2072	2194	2081	1922	1854	1913	1990	1861	1521	1224	1107	1343	1655	1629	1547	1424	1338	1181	1037	1134	1187				
KLPP	GT13	128	128	128	128	129	93	71	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	129	127	129	128	128	129	128	128	128	128			
KLPP	GT14	138	138	138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPA	GT11	211	211	213	215	217	218	149	172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT11	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGB3	CT33	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	124	124	124	124	124	124	125	125	126	126	125	125	126	128	128	128	127	127	122	122	122	122			
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	133	133	132	134	134	133	133	134	134	132	132	134	134	134	134	134	134	134	134	134	135	135	135	135
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	121	123	123	122	124	123	123	123	123	123	123	123	124	124	124	124	124	125	125	124	124	124	124	
Total Distillate		673	477	479	343	346	311	220	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	321	537	518	516	517	516	517	516	517	516	517	647	800	793	996	986	942	929	802	799	800	794	798		
PCUF	CUFG	15	15	16	16	15	16	17	16	17	17	17	17	17	16	15	15	13	12	12	11	12	13	11	12	12	11	15	14	10	10	10	12	11	11	12	10	12	11	11	11	11	11	11	11	11	11	11	11				
PCUF	CUFK	4	32	32	31	32	32	31	31	33	32	32	32	32	32	34	31	32	32	32	30	29	29	30	31	32	32	32	33	33	31	32	33	33	31	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33		
Total Co-Gen		19	47	48	47	47	48	48	47	50	49	49	49	49	49	47	49	46	45	44	44	41	41	42	41	43	44	43	47	43	41	42	45	43	44	45	43	44	45	43	45	45	45	43	43	43	43	44	43	44			
Total Gen		13506	13307	12922	12616	12348	12263	12122	12053	11883	11746	11713	11748	11855	11929	12178	12277	12851	14044	14693	15247	15753	16205	16334	16473	16340	16123	16065	16159	16483	16762	16765	16735	16834	16863	16536	15950	15352	15331	15827	16240	16225	16102	15919	15779	15513	15219	14948	14620				
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			
TIE-HVDC		30	30	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	30	-98	-99	-99	-97	-97	-97	-99	-100	-97	-100	30	30	30	30	31	31	31	-98	-98	-98	-98	-98			
TIE-PLTC		25	-1	13																																																	

### Daily MW Generation on Monday

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																								
S.Reserve Total		1767	1301	1591	1747	1421	1353	1493	1663	1863	2000	2034	1998	1891	1876	1861	2067	2002	1373	1315	1250	998	1071	1119	1041	1174	1351	1409	1255	1203	1013	1170	1210	1234	1045	1372	1849	2155	1853	1287	1124	1139	1238	1245	1325	1516	1554	1650	1442