

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,393 MW
Hydro	2,230 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,623 MW</b>
<b>Total IPP</b>	<b>15,676 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,863 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	37,753	11.17 %
Hydro	16,895	5.00 %
<b>Total TNB</b>	<b>54,648</b>	<b>16.17 %</b>
ST-Coal	198,464	58.72 %
Gas	84,617	25.04 %
<b>Total IPP</b>	<b>283,081</b>	<b>83.76 %</b>
Co-Gen	1,466	0.43 %
<b>Total Co-Gen</b>	<b>1,466</b>	<b>0.43 %</b>
<b>Total Generation</b>	<b>339,195</b>	<b>100.36 %</b>
PLTG	633	0.19 %
HVDC	584	0.17 %
<b>Interconnection</b>	<b>1,217</b>	<b>0.36 %</b>
<b>Net Energy</b>	<b>337,978</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:	16:30:00 Hour
Total Set On Bus	17,574 MW
TNB Generation	2,972 MW
IPP Generation	13,280 MW
Spinning Reserve	1,266 MW
Maximum Demand	16,276 MW
Net Energy	337,978 MWH
Load Factor	86.52 %

### Fuel Cost

Total Cost:	56,717,463.34 RM
Cost per Unit	17.59 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	356
Hydro	391
Syncon	527
Thermal	153
<b>Total</b>	<b>1,427</b>

### Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	51
SRDG	6
TJGS	215
<b>Total TNB</b>	<b>271</b>
CBPS	55
KLPP	98
NPRI	79
PLPS	93
PTEK	14
SGB3	80
SGRI	54
SKSP	39
YPKA	58
<b>Total IPP</b>	<b>570</b>
<b>Total Gas</b>	<b>840</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

**Total Gas Required 840**

### 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	12670	12011	11561	11267	11054	11064	11493	11748	12327	14250	15279	15847	15865	15522	15968	16146	16236	15883	14900	15438	15799	15583	14957	14370





### 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																											
Total Gen		12626	12254	11949	11754	11601	11398	11299	11182	11091	11116	11099	11269	11503	11833	11864	11912	12372	13671	14277	14933	15309	15668	15946	16078	15966	15638	15598	15760	15984	16259	16199	16221	16308	16308	15942	15496	14961	14898	15533	15980	15871	15768	15667	15481	15028	14760	14447	14057			
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	0	0
TIE-HVDC		-29	-29	-29	32	29	29	32	29	30	32	32	0	0	0	0	29	32	32	32	32	29	29	31	31	30	30	31	32	32	31	31	30	30	30	30	30	31	32	29	32	32	31	30	29	30	30	30	30	30	30	30
TIE-PLTC		-15	37	-33	-10	10	5	0	15	7	21	4	14	10	95	116	46	13	59	-5	2	1	104	67	31	71	40	45	25	-16	9	22	-31	42	2	29	45	30	26	66	27	41	30	54	20	41	12	47	-5			
Interconnection		-44	8	-62	22	40	34	32	45	37	53	35	14	10	95	116	75	45	91	27	34	30	133	99	62	101	70	76	57	16	41	53	0	72	32	59	75	61	58	95	59	72	61	84	49	71	42	77	25			
System Total		12670	12246	12011	11732	11581	11364	11267	11137	11054	11063	11064	11255	11493	11738	11748	11837	12327	13580	14250	14899	15279	15535	15847	16016	15865	15568	15522	15703	15968	16218	16146	16221	16236	16276	15883	15421	14900	14840	15438	15921	15799	15707	15583	15432	14957	14718	14370	14032			
SRev ST-Coal		467	484	462	489	469	482	465	594	591	596	585	580	722	719	743	617	461	452	402	365	141	112	131	131	107	105	118	130	130	135	132	128	104	128	130	111	121	142	93	114	136	133	131	116	131	141	130	185			
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	125	8	3	37	45	22	56	67	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		721	942	938	1086	1176	1290	1419	1460	1509	1487	1513	1476	1065	1126	1089	1179	828	646	577	223	383	442	282	208	316	237	373	410	313	256	263	244	231	246	261	245	363	417	287	261	417	522	509	336	513	580	621	757			
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		-13	-12	-12	-12	-11	-11	-11	-12	-10	-12	-12	-9	-9	-9	-9	-9	-9	-3	-4	-2	-4	-2	1	-2	0	1	-1	-1	-1	-2	-3	-1	0	1	3	1	2	1	0	2	1	0	1	0	1	1	-2				
Syncon		701	701	903	903	1054	1054	1054	802	802	802	802	802	802	802	802	953	615	615	802	651	651	464	363	363	550	550	550	550	550	550	550	550	363	676	676	928	928	506	319	319	319	319	592	777	777	777	1079				
Hydro		74	172	92	259	139	141	134	246	268	264	270	373	249	277	286	270	167	187	344	264	504	314	377	420	366	371	371	315	345	380	404	388	359	472	395	438	402	304	371	475	431	433	578	343	289	267	332	167			
S.Reserve Total		1950	2287	2383	2725	2877	2956	3061	3090	3160	3137	3158	3219	2829	2915	2910	2859	2400	1897	1934	1652	1675	1517	1255	1120	1152	1264	1411	1529	1345	1322	1383	1354	1266	1266	1532	1497	1816	1792	1257	1171	1304	1407	1538	1412	1710	1766	1861	2186			