

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,365 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,167 MW</b>
<b>Total IPP</b>	<b>15,643 MW</b>
<b>Total Co-Gen</b>	<b>56 MW</b>
<b>Total System</b>	<b>21,438 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	42,029	11.78 %
Hydro	12,788	3.58 %
<b>Total TNB</b>	<b>54,817</b>	<b>15.36 %</b>
ST-Coal	191,624	53.69 %
Gas	108,465	30.39 %
<b>Total IPP</b>	<b>300,089</b>	<b>84.08 %</b>
Co-Gen	1,414	0.40 %
<b>Total Co-Gen</b>	<b>1,414</b>	<b>0.40 %</b>
<b>Total Generation</b>	<b>356,320</b>	<b>99.84 %</b>
PLTG	26	0.01 %
HVDC	-610	-0.17 %
<b>Interconnection</b>	<b>-584</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>356,904</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:	14:30:00 Hour
Total Set On Bus	18,634 MW
TNB Generation	3,283 MW
IPP Generation	14,009 MW
Spinning Reserve	1,286 MW
Maximum Demand	17,359 MW
Net Energy	356,904 MWH
Load Factor	85.67 %

### Fuel Cost

Total Cost:	64,079,204.30 RM
Cost per Unit	18.65 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	385
Hydro	400
Syncon	723
Thermal	120
<b>Total</b>	<b>1,628</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	32
SRDG	5
TJGS	215
<b>Total TNB</b>	<b>304</b>
CBPS	54
KLPP	97
MPSS	28
NPRI	159
PGLA	110
PTEK	8
SGRI	151
SKSP	33
YPKA	85
<b>Total IPP</b>	<b>723</b>
<b>Total Gas</b>	<b>1,027</b>

<b>Total Gas Required</b>	<b>1,027</b>
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### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</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	13812	13161	12612	12209	12000	11843	12171	12266	12928	14870	15898	16592	16607	16251	16868	17342	17272	16813	15613	15269	16365	16318	15705	15269





### Daily MW Generation on Monday

ation	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																								
il Hydro		553	357	357	216	210	209	182	188	206	208	209	191	212	189	184	190	367	457	648	721	859	991	1111	1067	810	816	1016	1086	1213	1262	1269	1145	985	959	481	208	184	184	475	669	496	495	381	259	189	186		
il Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JF	CUFG	30	29	31	31	31	32	32	32	32	33	33	32	32	31	31	31	30	30	29	29	29	29	28	28	28	28	28	28	27	28	28	28	27	28	28	29	29	30	29	31	29	29	30	30	30	30	30	
JF	CUFK	32	30	30	30	30	29	30	30	29	29	30	29	29	30	28	30	28	31	29	30	29	29	29	27	29	28	28	29	28	27	24	29	27	29	29	30	29	31	30	29	29	28	28	28	29	29		
il Co-Gen		62	59	61	61	61	62	61	62	62	62	61	62	62	60	61	59	62	59	60	58	58	58	55	57	56	56	57	56	54	52	57	55	56	57	58	58	60	60	58	60	57	57	58	59	59	59	59	
il Gen		13824	13436	13212	12742	12574	12403	12205	12019	11956	11812	11818	11882	12068	12358	12256	12392	12869	14104	14802	15428	15853	16245	16544	16648	16567	16322	16246	16487	16839	17348	17381	17340	17279	17208	16862	16160	15644	15272	15214	16108	16334	16416	16310	16186	15705	15476	15201	
-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
-HVDC		29	30	30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-31	-31	-29	-28	-30	-30	-28	-28	-30	-30			
-PLTG		-17	-54	21	-42	-9	-19	26	-13	-15	-56	4	-39	-74	-5	19	4	-30	28	-40	20	-16	-10	-18	-6	-10	-21	24	14	0	18	69	25	36	47	78	47	59	-13	-25	-29	-3	4	22	23	28	-10	26	
reconnection		12	-24	51	-71	-38	-49	-4	-41	-44	-85	-25	-68	-103	-34	-10	-25	-59	0	-68	-9	-45	-40	-48	-35	-40	-50	-5	-15	-29	-11	39	-4	7	18	49	19	31	-44	-55	-58	-31	-26	-8	-5	0	-40	-4	
em Total		13812	13460	13161	12813	12612	12452	12209	12060	12000	11897	11843	11950	12171	12392	12266	12417	12928	14104	14870	15437	15898	16285	16592	16683	16607	16372	16251	16502	16868	17359	17342	17344	17272	17190	16813	16141	15613	15316	15269	16166	16365	16442	16318	16191	15705	15516	15205	
v ST-Coal		73	182	170	183	185	83	147	64	73	233	239	241	239	226	242	233	229	194	40	138	131	111	59	174	120	118	119	126	120	112	126	126	130	131	125	121	116	123	124	141	131	128	125	134	132	131	131	
v 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	9	7	31	4	72	74	16	105	0	0	0	0	0	0	0	0	0	0	0	0	0
v CCGT-Gas		639	494	537	673	833	1006	1139	1382	1535	1647	1624	1699	1495	1240	1304	1290	980	935	703	553	457	344	318	319	402	409	509	571	559	268	295	273	209	175	413	405	654	995	1054	434	410	160	265	266	628	745	547	
v 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
v Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
con		1164	1351	1351	1351	1351	1351	1351	1351	1351	1200	1200	1200	1351	1200	1351	1351	1351	1250	1164	928	953	802	651	464	313	651	651	525	651	525	525	500	626	500	500	946	1200	1351	1351	1164	862	862	862	862	1200	1200	1200	
ro		229	238	238	154	160	161	161	150	144	277	275	274	141	271	143	148	142	116	137	282	209	329	348	388	583	502	496	422	351	350	401	419	417	478	596	504	240	113	113	119	377	550	551	515	299	144	147	
serve Total		2105	2265	2296	2361	2529	2601	2798	2947	3103	3357	3338	3414	3226	2937	3040	3022	2702	2495	2044	1901	1750	1586	1376	1345	1418	1680	1775	1653	1688	1286	1351	1390	1456	1325	1739	1976	2210	2582	2642	1858	1780	1700	1803	1777	2259	2220	2025	