

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,249 MW
Distillate	0 MW
Total TNB	5,051 MW
Total IPP	16,133 MW
Total Co-Gen	59 MW
Total System	21,529 MW

Generation Mix

Type	MWh	Percentage
Gas	36,274	10.65 %
Hydro	9,242	2.71 %
Total TNB	45,516	13.37 %
ST-Coal	204,253	59.99 %
Gas	89,363	26.25 %
Total IPP	293,616	86.24 %
Co-Gen	1,402	0.41 %
Total Co-Gen	1,402	0.41 %
Total Generation	340,534	100.02 %
PLTG	77	0.02 %
HVDC	1	0.00 %
Interconnection	78	0.02 %
Net Energy	340,456	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 3/15/2018	372,493 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,252 MW
TNB Generation	2,339 MW
IPP Generation	13,152 MW
Spinning Reserve	1,702 MW
Maximum Demand	15,545 MW
Net Energy	340,456 MWH
Load Factor	91.26 %

Fuel Cost

Total Cost:	61,371,386.34 RM
Cost per Unit	18.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	443
Hydro	558
Syncon	678
Thermal	156
Total	1,835

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	210
Total TNB	261
CBPS	52
KLPP	70
NPRI	155
PGLA	101
SGRI	97
SKSP	35
YPKA	75
Total IPP	585
Total Gas	846
Total Gas Required	846

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14624	13955	13388	13035	12700	12497	12501	12473	12147	13393	14282	14988	14970	14756	15176	15270	15318	14950	14534	14511	15545	15524	15053	14842

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																									
Interconnection		-27	-9	-2	-20	-11	-9	-45	3	-16	-39	1	-17	-57	36	-41	66	-38	-7	22	17	2	34	-9	41	34	-26	-13	-20	31	9	-2	-5	36	41	75	17	5	-12	-38	-34	5	16	0	68	69	5	20	3	
System Total		14624	14132	13955	13650	13388	13227	13035	12829	12700	12651	12497	12460	12501	12511	12473	12004	12147	12788	13393	13789	14282	14639	14988	15061	14970	14769	14756	14994	15176	15379	15270	15393	15318	15290	14950	14563	14534	14419	14511	15271	15545	15523	15524	15253	15053	14919	14842	14700	
SRev ST-Coal		112	150	145	44	97	57	109	123	132	106	104	110	162	179	168	197	219	206	161	192	186	88	161	192	163	179	173	167	199	214	194	202	128	136	292	159	160	153	143	166	115	149	88	98	81	82	120	56	
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
SRev CCGT-Gas		1094	1255	1027	708	846	1053	1262	1414	1433	1532	1614	1646	1650	1530	1595	1886	1835	1308	817	900	554	395	291	337	399	498	472	418	234	235	353	374	368	203	364	735	925	1055	1085	419	368	429	471	506	455	654	319	390	
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
SRev 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	0
Syncon		1265	1225	1225	1225	1225	1225	1074	1317	1225	1225	1225	1225	1225	1225	1225	772	686	601	601	601	686	770	601	601	601	601	601	601	500	500	601	601	836	836	836	836	836	601	601	601	601	601	601	601	601	651			
Hydro		181	141	135	135	136	128	127	257	85	126	125	126	129	127	254	128	126	130	125	254	516	590	555	503	554	615	563	605	631	612	657	658	614	543	689	517	510	521	513	542	618	658	621	624	619	618	619	654	
S.Reserve Total		2652	2771	2532	2112	2304	2463	2723	2868	2967	2989	3068	3107	3166	3061	3091	3436	3405	2869	2328	2571	2028	1759	1608	1633	1717	1978	1978	1791	1665	1662	1805	1734	1610	1483	1946	2247	2431	2565	2577	1963	1702	1817	1781	1829	1756	1955	1659	1751	