

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	1,986 MW
Hydro	2,384 MW
Distillate	0 MW
Total TNB	4,370 MW
Total IPP	15,956 MW
Total Co-Gen	30 MW
Total System	20,920 MW

Generation Mix

Type	MWh	Percentage
Gas	20,403	6.45 %
Hydro	8,749	2.76 %
Total TNB	29,152	9.21 %
ST-Coal	183,911	58.10 %
Gas	102,198	32.29 %
Total IPP	286,109	90.39 %
Co-Gen	165	0.05 %
Total Co-Gen	165	0.05 %
Total Generation	315,426	99.65 %
PLTG	-412	-0.13 %
HVDC	-702	-0.22 %
Interconnection	-1,114	-0.35 %
Net Energy	316,540	100.00 %

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:	20:00:00 Hour
Total Set On Bus	15,794 MW
TNB Generation	1,573 MW
IPP Generation	12,797 MW
Spinning Reserve	1,419 MW
Maximum Demand	14,468 MW
Net Energy	316,540 MWH
Load Factor	91.16 %

Fuel Cost

Total Cost:	54,251,782.52 RM
Cost per Unit	17.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	215
Hydro	422
Syncon	970
Thermal	115
Total	1,722

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Sunny	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	37
TJGS	109
Total TNB	147
CBPS	56
KLPP	109
NPRI	162
PGLA	97
PLPS	70
SGB3	44
SGRI	12
SKSP	52
YPKA	82
Total IPP	684
Total Gas	830
Total Gas Required	830

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	13756	13141	12717	12304	12037	11822	11868	11793	11559	12670	13435	13942	13732	13522	13759	13810	13888	13614	13222	13531	14468	14295	13892	13612

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		-55	-31	-33	-14	-18	-92	-51	-15	-55	-33	-82	-23	-73	-36	-31	-65	-76	-35	-81	-23	-50	-62	-48	-93	59	2	-55	-2	-76	-76	-88	-60	-78	-59	-22	-20	-11	-51	-46	-84	-93	-35	-29	-30	-36	-49	-69	-44			
System Total		13756	13399	13141	12884	12717	12471	12304	12031	12037	11861	11822	11727	11868	11896	11793	11677	11559	12116	12670	13070	13435	13740	13942	14083	13732	13571	13522	13637	13759	13959	13810	13749	13888	13815	13614	13429	13222	13205	13531	14420	14468	14390	14295	14121	13892	13764	13612	13317			
SRev ST-Coal		98	95	84	101	95	126	205	213	219	208	205	194	185	170	176	176	191	194	177	170	168	94	120	104	114	107	98	102	102	107	106	99	108	104	92	105	100	102	96	106	99	110	101	109	107	115	186	193			
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	0
SRev CCGT-Gas		333	534	506	680	716	765	777	919	807	952	975	965	959	910	980	1131	1360	1049	691	449	180	18	207	161	398	291	407	245	199	165	301	239	113	153	349	310	495	672	438	39	27	-7	37	88	104	234	310	258			
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	0
SRev Co-Gen		46	49	49	51	49	48	48	51	49	51	49	48	48	48	49	49	48	48	47	49	48	26	47	47	50	26	26	24	24	24	24	25	23	25	24	26	25	24	23	24	25	25	24	24	26	25	24	26	25	24	26
Syncon		797	1099	1099	1099	1099	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1200	1200	1200	1049	1049	923	1049	1049	923	923	923	923	923	923	772	923	923	1074	1225	1074	646	646	646	707	898	898	898	1049	1049			
Hydro		489	226	232	227	230	97	98	98	92	96	136	135	269	268	138	137	138	136	137	265	263	211	347	313	439	405	404	402	400	479	400	451	449	616	470	408	276	147	278	493	622	665	719	559	528	532	395	341			
S.Reserve Total		1763	2003	1970	2158	2189	2387	2479	2632	2518	2658	2716	2693	2661	2596	2694	2844	3078	2778	2403	2133	1859	1549	1770	1674	1924	1878	1984	1696	1648	1698	1754	1737	1616	1670	1858	1772	1970	2170	1909	1308	1419	1439	1588	1678	1663	1804	1964	1867			