

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,164 MW
Hydro	2,195 MW
Distillate	0 MW
Total TNB	4,359 MW
Total IPP	15,796 MW
Total Co-Gen	0 MW
Total System	20,719 MW

Generation Mix

Type	MWh	Percentage
Gas	31,314	9.17 %
Hydro	15,376	4.50 %
Total TNB	46,690	13.67 %
ST-Coal	208,405	61.01 %
Gas	84,980	24.88 %
Total IPP	293,385	85.88 %
Co-Gen	1,551	0.45 %
Total Co-Gen	1,551	0.45 %
Total Generation	341,626	100.01 %
PLTG	715	0.21 %
HVDC	-693	-0.20 %
Interconnection	22	0.01 %
Net Energy	341,604	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:	16:00:00 Hour
Total Set On Bus	17,191 MW
TNB Generation	2,381 MW
IPP Generation	13,275 MW
Spinning Reserve	1,470 MW
Maximum Demand	15,722 MW
Net Energy	341,604 MWH
Load Factor	90.53 %

Fuel Cost

Total Cost:	57,539,890.17 RM
Cost per Unit	17.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	391
Hydro	469
Syncon	523
Thermal	175
Total	1,558

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	47
PGPS	1
TJGS	175
Total TNB	224
CBPS	55
KLPP	98
NPRI	75
PLPS	76
SGB3	84
SGRI	48
SKSP	48
YPKA	76
Total IPP	561
Total Gas	785
Total Gas Required	785

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	14189	13392	12986	12642	12393	12144	12417	12410	12700	14215	15008	15580	15462	14836	15082	15558	15722	15443	14545	15224	15535	15250	14677	14283

Daily MW Generation on Friday

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																									
TIE-HVDC		-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29																								
TIE-PLTG		43	107	-8	76	1	31	3	26	39	-2	-15	-11	-6	72	-9	49	-8	-18	-60	11	-6	7	4	-31	68	32	42	69	11	76	49	83	28	62	120	84	73	30	55	14	47	49	87	58	39	3	-34	-10	
Interconnection		13	78	-37	46	-29	2	-27	-3	10	-30	-44	-40	-34	43	-38	21	-37	-47	-89	-17	-35	-22	-25	-60	39	2	13	40	-18	48	21	54	-1	33	91	55	45	1	26	-14	18	20	58	29	10	-25	-63	-39	
System Total		14189	13784	13392	13191	12986	12670	12642	12387	12383	12280	12144	12198	12417	12450	12410	12403	12700	13527	14215	14619	15008	15331	15580	15691	15462	15205	14836	14876	15082	15288	15558	15606	15722	15690	15443	14897	14545	14502	15224	15891	15535	15416	15250	15096	14677	14600	14283	13904	
SRev ST-Coal		382	376	372	365	358	356	376	360	368	359	373	361	314	356	348	328	384	375	346	363	375	337	131	125	133	144	129	133	93	157	131	120	129	99	123	151	130	193	221	126	138	135	140	137	129	112	140	136	
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		494	797	845	876	1028	1207	1089	1088	1086	1250	1334	1313	1192	1137	1193	1141	1262	773	593	497	280	121	308	195	224	244	738	749	564	311	436	270	286	329	325	733	1038	1064	371	426	489	442	475	531	763	671	738	994	
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		-5	-3	-5	-7	-4	-6	-6	-7	-6	-9	-11	-11	-9	-10	-11	-9	-9	-8	-9	-6	-7	-7	-9	-8	-7	-6	-6	-8	-8	-7	-5	-7	-8	-7	-8	-8	-6	-8	-8	-9	-7	-8	-8	-9	-7	-10	-9	-10	
Syncon		634	785	962	962	962	861	861	1012	1012	1012	1012	861	710	710	861	911	741	741	554	403	403	403	403	554	554	554	554	554	554	403	403	403	554	554	554	491	678	678	678	577	403	403	577	764	613	764	915	915	915
Hydro		393	286	176	270	232	213	151	265	91	89	145	124	216	293	365	207	170	338	876	447	601	513	654	510	451	378	400	396	608	562	647	408	509	513	522	350	341	248	382	508	507	315	218	350	217	86	130	154	
S.Reserve Total		1898	2241	2350	2466	2576	2732	2471	2567	2551	2701	2853	2799	2574	2486	2605	2528	2718	2219	2047	1855	1652	1367	1487	1225	1355	1314	1815	1824	1660	1426	1612	1345	1470	1488	1453	1904	2181	2175	1543	1454	1530	1461	1589	1622	1866	1774	1914	2189	