

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,375 MW
Distillate	0 MW
Total TNB	5,166 MW
Total IPP	15,525 MW
Total Co-Gen	0 MW
Total System	21,255 MW

Generation Mix

Type	MWh	Percentage
Gas	37,581	10.97 %
Hydro	25,576	7.46 %
Total TNB	63,157	18.43 %
ST-Coal	201,712	58.86 %
Gas	76,878	22.43 %
Total IPP	278,590	81.30 %
Co-Gen	1,611	0.47 %
Total Co-Gen	1,611	0.47 %
Total Generation	343,358	100.20 %
PLTG	-53	-0.02 %
HVDC	724	0.21 %
Interconnection	671	0.20 %
Net Energy	342,687	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:	15:00:00 Hour
Total Set On Bus	17,732 MW
TNB Generation	3,425 MW
IPP Generation	12,809 MW
Spinning Reserve	1,435 MW
Maximum Demand	16,234 MW
Net Energy	342,687 MWH
Load Factor	87.96 %

Fuel Cost

Total Cost:	56,186,210.87 RM
Cost per Unit	17.68 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	733
Hydro	423
Syncon	513
Thermal	193
Total	1,862

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	48
PGPS	42
TJGS	187
Total TNB	277
CBPS	53
KLPP	89
NPRI	77
PLPS	88
SGB3	69
SGRI	47
SKSP	51
YPKA	51
Total IPP	524
Total Gas	801
Total Gas Required	801

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	13607	12950	12456	12262	11929	11926	12057	12079	12612	14247	15311	15994	15960	15455	15768	16234	16167	15814	15069	15292	15509	15085	14440	14027

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-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													
TIE-HVDC		30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	29	29	30	30	30	31	31	31	31	30	30	30	30	31	31	30	30	31	31	30	31	30	31	31	30									
TIE-PLTG		26	-54	-23	-1	-4	30	-21	-48	7	5	-10	-6	-9	41	83	25	10	-14	-3	8	10	20	-15	32	59	-24	30	-24	9	-8	33	-19	2	1	11	99	2	20	-14	-28	-55	-67	-40	-6	-14	-59	-64	-36		
Interconnection		56	-24	7	29	26	60	9	-18	38	36	20	24	20	70	112	55	40	15	26	38	40	50	15	62	90	6	60	6	39	22	63	11	33	31	41	129	32	51	17	2	-25	-37	-9	24	16	-29	-33	-5		
System Total		13607	13267	12950	12710	12456	12305	12262	12112	11929	11939	11926	11997	12057	12252	12079	12163	12612	13572	14247	14898	15311	15611	15994	16069	15960	15796	15455	15605	15768	16095	16234	16220	16167	16157	15814	15387	15069	14965	15292	15585	15509	15263	15085	14845	14440	14371	14027	13767		
SRev ST-Coal		319	242	365	362	353	362	365	347	373	364	382	367	375	365	349	346	329	362	351	333	105	142	134	157	126	153	127	143	137	131	137	129	131	138	148	232	223	226	278	96	212	216	220	364	367	343	359	364		
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
SRev CCGT-Gas		1202	1319	1181	1151	1402	1456	1520	1370	1780	1762	1775	1706	1659	1474	1679	1620	1540	1560	1080	709	741	662	432	515	616	755	956	875	780	539	465	541	555	571	824	1019	1222	1100	890	789	825	874	962	994	1251	1125	1294	711		
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		-4	-15	-11	-9	-7	-13	-12	-14	-12	-13	-13	-13	-13	-14	-13	-16	-15	-13	-12	-12	-6	-9	-9	-9	-9	-7	-6	-7	-6	-6	-4	-4	-6	-8	-10	-10	-10	-9	-8	-7	-12	-10	-11	-11	-14	-14	-16			
Syncon		500	651	651	651	737	821	821	821	821	972	972	972	972	846	846	972	972	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	586	586	586	399	483	670	670	670	821	821	821	821	821				
Hydro		732	544	557	602	527	416	388	381	423	293	290	297	287	360	354	262	250	599	468	487	506	384	365	439	450	379	440	410	364	351	339	335	350	341	413	465	610	560	361	471	417	480	536	508	510	442	422	399		
S.Reserve Total		2749	2741	2743	2757	3012	3042	3082	2905	3385	3378	3406	3329	3280	3031	3215	3184	3076	3008	2387	2017	1846	1679	1235	1415	1456	1780	2017	1921	1775	1515	1435	1501	1532	1544	1877	2206	2631	2462	2106	1747	1930	2228	2378	2525	2938	2717	2882	2279		