

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,581 MW
Hydro	1,835 MW
Distillate	0 MW
Total TNB	9,496 MW
Total IPP	10,581 MW
Total Co-Gen	56 MW
Total System	20,415 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,987	20.79 %
Gas	60,262	18.16 %
Hydro	10,125	3.05 %
Total TNB	139,374	42.01 %
ST-Coal	123,338	37.18 %
Gas	68,706	20.71 %
Total IPP	192,044	57.88 %
Co-Gen	1,357	0.41 %
Total Co-Gen	1,357	0.41 %
Total Generation	332,775	100.30 %
PLTG	274	0.08 %
HVDC	728	0.22 %
Interconnection	1,002	0.30 %
Net Energy	331,773	100.00 %

Maximum Demand Record

Date: 3/9/2016	17,175 MW
Date: 3/10/2016	359,307 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,502 MW
TNB Generation	6,627 MW
IPP Generation	8,641 MW
Spinning Reserve	1,178 MW
Maximum Demand	15,305 MW
Net Energy	331,773 MWH
Load Factor	90.32 %

Fuel Cost

Total Cost:	41,833,175.30 RM
Cost per Unit	12.97 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	486
Hydro	249
Syncon	573
Thermal	115
Total	1,423

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	55
NPRI	156
PAKA	50
PGPS	54
SRDG	11
TJGS	107
Total TNB	433
KLPP	74
MPSS	59
PGLA	112
PLPS	99
PTEK	8
SGRI	155
SKSP	33
Total IPP	540
Total Gas	972

Total Gas Required 972

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	14593	13901	13148	12964	12500	12330	12189	11953	11608	12783	13691	14472	14418	14120	14644	14653	14825	14515	13969	13877	15267	15294	14937	14808

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																										
TIE-PLTG		-42	8	90	11	26	19	59	45	-8	14	49	42	110	21	-53	33	0	-32	-19	-44	5	-11	-72	14	22	30	66	-50	-4	-13	29	0	-54	27	40	-4	33	44	-28	-49	-19	-11	10	-12	33	13	21	56		
Interconnection		-13	37	121	42	57	50	89	75	23	45	79	73	141	51	83	64	31	-2	11	-14	35	19	-42	44	52	60	96	-19	26	17	59	30	-23	57	70	26	64	75	2	-18	11	19	40	18	63	43	51	86		
System Total		14593	14204	13901	13720	13148	13216	12964	12685	12500	12406	12330	12246	12189	12126	11953	11480	11608	12249	12783	13348	13691	14030	14472	14427	14418	14229	14120	14333	14644	14724	14653	14832	14825	14744	14515	14269	13969	13804	13877	14761	15267	15305	15294	15177	14937	14907	14808	14641		
SRev ST-Coal		207	186	253	260	203	190	233	195	190	197	197	222	205	183	190	201	190	130	112	271	139	94	94	101	116	122	115	50	103	93	105	107	95	102	112	105	122	115	121	54	141	113	118	113	111	137	158	123		
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	3	20	20	71	70	75	79	84	
SRev CCGT-Gas		366	482	406	420	676	297	439	760	1025	1110	1127	1183	1182	1386	1512	1983	1920	1295	913	617	415	348	645	686	384	440	468	370	434	430	446	444	450	434	461	564	815	815	812	352	447	399	366	430	420	219	288	306		
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		1	-2	0	-1	-2	-1	0	0	-1	0	0	-1	-1	-1	0	-3	0	1	1	0	1	1	0	1	0	2	5	3	4	4	3	4	5	3	2	2	1	0	-1	1	3	0	2	1	2	2	2	-1		
Syncon		802	802	802	802	802	651	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	
Hydro		254	269	132	129	133	264	140	150	128	258	132	142	149	120	127	140	116	128	124	117	249	223	118	160	271	289	385	200	153	195	352	281	220	235	262	267	268	260	255	243	242	344	362	390	310	314	311	446		
S.Reserve Total		1630	1737	1593	1610	1812	1401	1614	1907	2144	2216	2258	2348	2337	2490	2631	3123	3028	2356	1952	1807	1606	1468	1558	1548	1371	1554	1523	1425	1395	1322	1355	1224	1158	1162	1225	1427	1695	1846	1843	1038	1224	1178	1170	1307	1402	1236	1327	1296		