

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,548 MW
Hydro	2,321 MW
Distillate	0 MW
Total TNB	5,869 MW
Total IPP	14,138 MW
Total Co-Gen	0 MW
Total System	20,571 MW

Generation Mix

Type	MWh	Percentage
Gas	37,898	14.14 %
Hydro	5,224	1.95 %
Total TNB	43,122	16.09 %
ST-Coal	158,385	59.09 %
Gas	65,400	24.40 %
Total IPP	223,785	83.48 %
Co-Gen	1,207	0.45 %
Total Co-Gen	1,207	0.45 %
Total Generation	268,114	100.02 %
PLTG	-679	-0.25 %
HVDC	738	0.28 %
Interconnection	59	0.02 %
Net Energy	268,055	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	14,271 MW
TNB Generation	2,114 MW
IPP Generation	10,537 MW
Spinning Reserve	1,571 MW
Maximum Demand	12,669 MW
Net Energy	268,055 MWH
Load Factor	88.16 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	744
Hydro	147
Syncon	1,123
Thermal	147
Total	2,161

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	32
PGPS	27
TJGS	210
Total TNB	269
CBPS	50
KLPP	63
NPRI	137
PGLA	72
PLPS	47
PTEK	3
SGRI	110
Total IPP	483
Total Gas	752

Total Gas Required 752

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	12564	12030	11435	11167	10844	10550	10561	10315	9827	9980	10365	10581	10656	10632	10872	10933	11066	10970	10895	11440	12612	12623	12494	12332

Daily MW Generation on Monday

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																															
SRev CCGT-Gas		409	462	108	196	432	580	180	608	800	911	1035	1165	898	1055	1250	1636	1753	1749	1606	1455	1210	1056	1032	912	947	982	976	817	741	728	687	686	565	609	662	665	1260	1167	1012	196	241	212	253	222	272	183	292	496							
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		7	8	6	7	6	7	5	9	7	9	9	7	7	7	9	8	7	8	9	9	8	11	11	12	13	11	13	-27	-27	-26	-26	-28	-28	-30	-29	-28	-30	-29	-29	-29	-29	-29	-29	-29	-30	-31	-32	-31							
Syncon		1270	1270	1144	1144	1270	1270	1144	1144	993	1144	993	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1137	986	1137	986	1137	1137	1137	1137	986	1137	1137	1137	1137	1137	1137	1137	1137	1137	1137	1137	1137	1144							
Hydro		268	227	115	254	255	253	248	274	401	273	393	271	271	270	140	271	156	144	142	144	141	145	148	152	146	145	145	145	147	275	149	277	147	145	145	140	274	144	144	150	99	99	100	100	98	122	142	142							
S.Reserve Total		2214	2108	1524	1749	2110	2258	1732	2188	2345	2482	2587	2738	2519	2501	2482	3045	3193	3177	3041	2892	2892	2490	2459	2364	2382	2430	2421	2221	2130	2103	2090	2082	1970	2011	2058	2061	2648	2569	2412	1598	1583	1571	1625	1588	1683	1566	1655	1821							