

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,361 MW
Hydro	1,843 MW
Distillate	0 MW
Total TNB	4,204 MW
Total IPP	15,863 MW
Total Co-Gen	60 MW
Total System	20,127 MW

Generation Mix

Type	MWh	Percentage
Gas	36,493	10.49 %
Hydro	17,889	5.14 %
Total TNB	54,382	15.64 %
ST-Coal	192,903	55.46 %
ST-Gas	3,184	0.92 %
Gas	95,838	27.56 %
Total IPP	291,925	83.93 %
Co-Gen	1,386	0.40 %
Total Co-Gen	1,386	0.40 %
Total Generation	347,693	99.97 %
PLTG	589	0.17 %
HVDC	-695	-0.20 %
Interconnection	-106	-0.03 %
Net Energy	347,799	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:	16:30:00 Hour
Total Set On Bus	17,550 MW
TNB Generation	2,593 MW
IPP Generation	13,779 MW
Spinning Reserve	1,122 MW
Maximum Demand	16,452 MW
Net Energy	347,799 MWH
Load Factor	88.08 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	507
Hydro	214
Syncon	595
Thermal	148
Total	1,464

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	34
Morning	Rainy	27

Gas Usage

Station	(mmscfd)
GLGR	41
TJGS	215
Total TNB	256

CBPS	56
KLPP	110
MPSS	45
NPRI	71
PDPS	17
PLPS	81
SGB3	78
SGRI	72
SKSP	52
YPKA	74
PKLG	32

Total IPP 690

Total Gas 946

Total Gas Required 946

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	13625	12904	12521	12224	12199	12058	12095	12310	12784	14425	15364	15914	15895	15524	16107	16380	16363	16124	15016	15461	15936	15789	15233	14805

Daily MW Generation on Tuesday

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																										
Total Co-Gen		62	64	63	61	60	60	60	59	59	62	60	59	58	60	59	59	57	60	57	58	59	57	56	55	56	57	56	54	54	54	56	54	56	56	56	56	57	57	57	57	57	57	56	56	56	58	58	57	58	
Total Gen		13570	13182	12879	12852	12554	12633	12228	12136	12162	12093	12013	12097	12104	12306	12398	12430	12778	13775	14418	14990	15281	15633	15938	16092	15882	15610	15529	15749	16055	16362	16356	16417	16326	16428	16132	15567	15028	14871	15455	16077	15936	15996	15816	15614	15242	15052	14765	14423		
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	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-28	-28	-28	-28	-29	-29	-29	-29	-28	-29	-29	-31	-29	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29				
TIE-PLTG		-27	-4	3	6	62	53	33	27	-8	26	-16	45	38	63	116	41	23	-1	23	-10	-54	22	53	75	16	54	34	3	-24	55	4	-3	-9	5	37	103	42	90	23	4	28	23	56	-3	39	27	-11	-3		
Interconnection		-55	-32	-25	-22	33	23	4	-2	-37	-2	-45	16	9	32	88	11	-6	-30	-7	-39	-83	-7	24	45	-13	25	5	-26	-52	27	-24	-31	-37	-24	8	73	12	61	-6	-25	0	-5	27	-32	9	-3	-40	-32		
System Total		13625	13214	12904	12874	12521	12610	12224	12138	12199	12095	12058	12081	12095	12274	12310	12419	12784	13805	14425	15029	15364	15640	15914	16047	15895	15585	15524	15775	16107	16335	16380	16448	16363	16452	16124	15494	15016	14810	15461	16102	15936	16001	15789	15646	15233	15055	14805	14455		
SRev ST-Coal		358	344	350	356	353	351	348	349	340	356	364	335	359	342	361	341	350	355	362	328	186	203	168	65	74	55	76	52	58	52	59	131	131	121	121	151	81	142	125	54	132	118	109	134	129	112	117	271		
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		957	954	928	889	1124	1014	1365	1454	1432	1399	1467	1416	1383	1217	1088	1089	1301	742	809	587	713	625	493	518	805	947	1017	764	745	480	438	236	288	200	460	532	728	775	277	143	325	276	463	394	570	425	705	785		
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	30	30	33	36	37	41	34	-3	-1	-2	-6	-14	-6	-10	-6	-5	-5	-3	-2	-6	29	38	37	37	39	-4	-4	-3	28	24	0	0	0	0	
SRev Co-Gen		-2	-4	-3	-1	0	0	1	1	-2	0	1	2	0	1	1	3	0	3	2	1	3	4	5	4	3	4	3	4	6	6	6	4	6	4	4	4	4	4	4	3	3	3	3	4	4	4	2	2	3	2
Syncon		626	626	626	626	626	586	586	586	586	586	586	586	586	586	586	586	586	712	712	712	712	712	626	500	626	626	626	626	626	626	626	500	500	500	500	626	712	800	800	500	500	500	500	626	712	712	712	712		
Hydro		318	293	293	257	220	165	167	170	165	165	167	166	166	168	189	182	192	172	180	168	173	170	50	145	300	279	275	274	81	59	180	265	263	258	266	223	139	86	143	352	360	362	363	229	212	151	152	157		
S.Reserve Total		2257	2213	2194	2127	2323	2116	2466	2560	2524	2504	2584	2504	2496	2342	2255	2229	2588	2014	2102	1834	1826	1818	1334	1230	1805	1902	1983	1715	1506	1217	1301	1133	1224	1122	1418	1565	1701	1843	1385	1091	1316	1256	1436	1415	1649	1402	1689	1927		