

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,745 MW
Hydro	1,987 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,732 MW</b>
<b>Total IPP</b>	<b>14,176 MW</b>
<b>Total Co-Gen</b>	<b>42 MW</b>
<b>Total System</b>	<b>20,514 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	33,805	12.29 %
Hydro	8,972	3.26 %
<b>Total TNB</b>	<b>42,777</b>	<b>15.55 %</b>
ST-Coal	163,397	59.41 %
Gas	68,871	25.04 %
<b>Total IPP</b>	<b>232,268</b>	<b>84.46 %</b>
Co-Gen	742	0.27 %
<b>Total Co-Gen</b>	<b>742</b>	<b>0.27 %</b>
<b>Total Generation</b>	<b>275,787</b>	<b>100.28 %</b>
PLTG	51	0.02 %
HVDC	722	0.26 %
<b>Interconnection</b>	<b>773</b>	<b>0.28 %</b>
<b>Net Energy</b>	<b>275,014</b>	<b>100.00 %</b>

### 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	14,093 MW
TNB Generation	2,163 MW
IPP Generation	10,791 MW
Spinning Reserve	1,109 MW
Maximum Demand	12,975 MW
Net Energy	275,014 MWH
Load Factor	88.32 %

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	409
Hydro	162
Syncon	792
Thermal	75
<b>Total</b>	<b>1,438</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	5
TJGS	204
<b>Total TNB</b>	<b>238</b>
CBPS	51
KLPP	68
NPRI	139
PGLA	105
PLPS	42
PTEK	6
SGRI	78
<b>Total IPP</b>	<b>488</b>
<b>Total Gas</b>	<b>726</b>

**Total Gas Required 726**

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### 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	11825	11342	10734	10394	10093	9874	9803	9793	9752	10735	11405	11815	11851	11796	12092	12311	12310	12268	11804	11766	12889	12900	12612	12448



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
CEND	HY01	9	10	10	9	10	9	10	9	10	10	10	9	9	10	10	10	9	10	10	9	10	10	10	10
CEND	HY02	10	9	9	10	10	9	9	10	10	9	10	10	10	10	10	10	10	9	9	10	10	10	10	10
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY01	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	36	36	22	23	23	22	22	22	23	22	19	22	22	22	21	21	22	24	22	23	21	22	21	21
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	96	96	96	96	96	96	96	96	96	96	96	96	96	96
KNYR	HY02	61	61	60	60	60	60	61	60	98	99	84	97	97	98	98	98	98	99	98	98	96	95	95	95
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	99	98	85	98	98	98	98	97	98	97	96	96	96	55	55	-1
KNYR	HY04	0	0	0	0	0	0	98	98	86	98	98	97	97	97	97	97	97	55	55	55	56	56	60	59
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	50	30	0	0	0
SIHY	HY02	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	31	30	0	0	0
SIHY	HY03	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	25	25	16	25	25
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	25	25	16	25	25
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0	0
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	33	33	31	38	33	34	32	35	34	33	34	33	31	31	36	39	31	33	31	30	30	30	31	33
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		506	258	171	175	171	169	169	171	407	405	363	404	403	499	497	498	504	508	495	523	703	637	636	637
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	15	17	17	16	16	16	17	16	16	15	15	15	16	17	16	17	16	15	16	15	14	15	13	13
PCUF	CUFK	8	18	17	17	17	17	17	17	17	16	17	15	17	18	17	18	16	16	17	17	16	17	16	17
Total Co-Gen		23	35	34	33	33	34	33	33	31	32	30	33	35	32	33	34	31	32	32	31	30	29	29	27
Total Gen		11859	11623	11367	11091	10793	10611	10432	10301	10126	10059	10036	9852	9849	9892	9884	9630	9807	10331	10793	11097	11461	11663	11785	11884
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
TIE-HVDC		31	30	30	30	30	31	31	30	30	31	31	29	29	30	30	30	31	31	29	31	31	30	30	29
TIE-PLTG		3	2	-4	9	30	29	7	26	3	42	131	8	17	24	61	10	25	-30	28	1	26	-21	-61	-68
Interconnection		34	32	25	39	59	60	38	56	33	72	162	38	46	54	91	40	55	0	58	32	56	10	-30	-38
System Total		11825	11591	11342	11052	10734	10551	10394	10245	10093	9987	9874	9814	9803	9838	9793	9590	9752	10331	10735	11095	11405	11653	11815	11922
SRev ST-Coal		14	7	25	121	103	115	118	118	452	465	486	573	573	569	566	613	615	538	320	323	179	178	83	85
SRev OCCGT-Cas		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 CCCT-Cas		90	97	367	198	287	161	338	470	927	977	938	1212	1218	1274	1361	1571	1393	1005	749	620	721	743	784	685
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
SRev Co-Gen		19	7	8	9	9	8	9	9	11	10	12	9	7	10	7	10	9	8	11	10	10	11	10	11
Syncon		925	925	925	925	925	925	925	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824
Hydro		132	130	139	135	139	141	141	139	104	106	148	107	108	113	115	114	108	104	117	240	250	165	166	165
S.Reserve Total		1180	1191	1489	1388	1463	1351	1530	1661	2316	2383	2406	2728	2732	2686	2775	3028	2849	2379	1917	1766	1732	1819	1767	1668