

#### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,131 MW
Hydro	2,321 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,452 MW</b>
<b>Total IPP</b>	<b>13,985 MW</b>
<b>Total Co-Gen</b>	<b>20 MW</b>
<b>Total System</b>	<b>20,021 MW</b>

#### Generation Mix

Type	MWh	Percentage
Gas	55,558	16.30 %
Hydro	9,210	2.70 %
<b>Total TNB</b>	<b>64,768</b>	<b>19.00 %</b>
ST-Coal	171,863	50.41 %
Gas	104,519	30.66 %
<b>Total IPP</b>	<b>276,382</b>	<b>81.07 %</b>
Co-Gen	345	0.10 %
<b>Total Co-Gen</b>	<b>345</b>	<b>0.10 %</b>
<b>Total Generation</b>	<b>341,495</b>	<b>100.16 %</b>
PLTG	-179	-0.05 %
HVDC	738	0.22 %
<b>Interconnection</b>	<b>559</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>340,936</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:	14:30:00 Hour
Total Set On Bus	17,590 MW
TNB Generation	3,410 MW
IPP Generation	12,862 MW
Spinning Reserve	1,304 MW
Maximum Demand	16,273 MW
Net Energy	340,936 MWH
Load Factor	87.30 %

#### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	386
Hydro	324
Syncon	880
Thermal	135
<b>Total</b>	<b>1,725</b>

Time	Weather	Temperature
Afternoon	Hot	30
Morning	Sunny	28

#### Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	89
PGPS	50
SRDG	13
TJGS	212
<b>Total TNB</b>	<b>416</b>
CBPS	53
KLPP	98
MPSS	58
NPRI	75
PGLA	109
PKLG	5
PLPS	80
PTEK	11
SGB3	72
SGRI	182
SKSP	50
<b>Total IPP</b>	<b>794</b>
<b>Total Gas</b>	<b>1,211</b>
<b>Total Gas Required</b>	<b>1,211</b>

#### 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	13806	13124	12636	12283	11982	11774	11797	11847	12345	13943	14967	15632	15692	15411	15922	16227	16214	15873	14722	14469	15353	15051	14594	14399





### Daily MW Generation on Thursday

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																									
TMGR	HY02	30	32	31	31	30	33	32	33	31	32	26	32	33	34	35	35	34	32	34	31	31	32	32	33	33	34	33	34	33	34	33	32	30	30	31	38	32	31	31	31	31	32	34	32	-1				
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35			
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	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	-1	-1	-1	-1			
UJLI	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UPIA	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total Hydro		153	157	155	155	173	335	327	323	333	314	282	288	321	326	325	190	178	190	330	294	368	573	593	621	602	383	317	730	684	837	918	902	868	872	611	285	233	174	174	411	341	280	279	178	180	161	159	161	
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	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	1	2	2	2	2	2	3	3	2	1	2	3	2	3	1	2	1	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		
PCUF	CUFK	13	14	15	14	13	12	14	13	12	12	13	13	12	14	14	12	15	14	12	13	14	15	13	14	13	14	14	14	14	14	14	14	15	14	12	14	14	13	13	13	14	13	13	13	15	14	13	14	15
Total Co-Gen		14	16	17	16	15	14	16	15	15	15	14	15	15	16	17	14	18	15	14	14	14	15	13	14	13	14	14	14	14	14	14	15	14	12	14	14	13	13	13	14	13	13	13	15	14	13	14	15	
Total Gen		13856	13544	13135	13020	12679	12670	12270	12245	12027	12024	11863	11798	11841	11960	11882	11901	12361	13315	13918	14548	14961	15408	15645	15812	15673	15384	15394	15813	15933	16286	16282	16236	16226	16197	15883	15298	14762	14381	14494	15372	15359	15297	15114	14881	14644	14510	14409	14134	
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		
TIE-HVDC		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
TIE-PLTG		19	4	-20	-18	12	17	-44	5	14	-23	58	-11	13	5	5	-45	-15	-69	-55	11	-37	-4	-18	-30	-50	-44	-47	19	-20	-18	24	-14	-19	16	-21	-3	9	-23	-6	9	-25	36	32	12	20	20	-21	-21	
Interconnection		50	35	11	13	43	48	-13	36	45	8	89	20	44	35	35	-15	16	-39	-25	42	-6	27	13	1	-19	-13	-17	50	11	13	55	17	12	46	10	28	40	8	25	40	6	67	63	42	50	51	10	10	
System Total		13806	13509	13124	13007	12636	12622	12283	12209	11982	12016	11774	11778	11797	11925	11847	11916	12345	13354	13943	14506	14967	15381	15632	15811	15682	15397	15411	15763	15922	16273	16227	16219	16214	16151	15873	15270	14722	14373	14469	15332	15353	15230	15051	14839	14594	14459	14399	14124	
SRev ST-Coal		133	204	204	202	146	142	134	148	135	131	159	119	145	131	136	119	121	132	120	135	130	129	123	132	137	131	117	136	127	133	131	156	151	153	144	150	127	146	135	109	126	138	134	137	134	127	118	124	
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
SRev CCGT-Gas		367	364	616	757	1176	1350	1752	1758	1999	1987	2088	2198	2163	2063	2136	2000	1523	1019	987	508	460	364	284	238	318	382	313	353	260	53	208	216	192	220	283	442	696	999	897	283	438	428	615	514	704	255	364	567	
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		11	9	8	9	10	11	9	10	10	10	10	11	10	10	9	8	11	7	10	11	11	5	7	6	7	6	6	6	6	6	6	5	6	8	6	6	7	7	7	6	7	7	7	5	6	7	6	5	
Syncon		1148	1148	1148	1148	997	1047	1047	896	1047	1047	1047	1047	1047	1148	1148	1148	885	910	910	809	820	820	820	896	1036	809	935	809	809	573	724	724	573	1036	1036	1137	1137	799	1036	1137	1137	1148	1148	1148	1148	1152			
Hydro		143	139	141	141	274	162	170	174	315	183	215	209	176	171	172	106	118	106	219	230	306	427	406	378	397	440	231	395	165	288	332	459	342	338	500	263	315	273	273	474	307	267	268	268	266	135	137	131	
S.Reserve Total		1802	1864	2117	2257	2603	2712	3112	3137	3355	3358	3519	3584	3541	3422	3500	3381	2921	2412	2221	1794	1817	1740	1631	1572	1674	1863	1718	1777	1507	1304	1494	1415	1420	1449	1513	1998	2181	2562	2449	1671	1915	1977	2160	2072	2258	1672	1773	1979	