

## Daily System Generation Summary on Friday

Friday, September 16, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,295 MW
Hydro	2,303 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,598 MW</b>
<b>Total IPP</b>	<b>13,963 MW</b>
<b>Total Co-Gen</b>	<b>25 MW</b>
<b>Total System</b>	<b>20,150 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	44,646	15.04 %
Hydro	8,073	2.72 %
<b>Total TNB</b>	<b>52,719</b>	<b>17.76 %</b>
ST-Coal	171,086	57.64 %
Gas	73,293	24.69 %
<b>Total IPP</b>	<b>244,379</b>	<b>82.33 %</b>
Co-Gen	344	0.12 %
<b>Total Co-Gen</b>	<b>344</b>	<b>0.12 %</b>
<b>Total Generation</b>	<b>297,442</b>	<b>100.21 %</b>
PLTG	-114	-0.04 %
HVDC	738	0.25 %
<b>Interconnection</b>	<b>624</b>	<b>0.21 %</b>
<b>Net Energy</b>	<b>296,818</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:	00:00:00 Hour
Total Set On Bus	15,707 MW
TNB Generation	2,643 MW
IPP Generation	11,355 MW
Spinning Reserve	1,695 MW
Maximum Demand	13,943 MW
Net Energy	296,818 MWH
Load Factor	88.70 %

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	739
Hydro	236
Syncon	960
Thermal	140
<b>Total</b>	<b>2,075</b>

### Time Weather Temperature

Afternoon	Cloudy	32
Morning	Cloudy	27

### Gas Usage

Station	(mmscfd)
GLGR	52
PAKA	11
PGPS	50
TJGS	211
<b>Total TNB</b>	<b>324</b>
CBPS	52
KLPP	82
MPSS	5
NPRI	67
PGLA	103
PLPS	72
PTEK	3
SGB3	2
SGRI	155
SKSP	3
<b>Total IPP</b>	<b>544</b>
<b>Total Gas</b>	<b>867</b>
<b>Total Gas Required</b>	<b>867</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	13943	13354	12857	12493	12134	11866	11633	11109	10427	10739	11332	11815	11978	11930	12053	12401	12528	12497	12211	12580	13879	13758	13569	13460

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### 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																									
PCUF	CUFK	13	13	14	13	15	14	12	12	13	13	14	14	14	14	14	14	13	13	13	12	14	14	14	14	13	15	12	13	14	14	15	13	14	14	13	14	14	14	14	13	14	14	13	13	14	12	15		
Total Co-Gen		14	14	15	15	16	17	13	13	14	15	16	17	16	16	16	16	17	15	14	15	12	14	15	14	13	15	13	13	14	14	15	13	14	14	13	14	14	12	14	13	12	13	13	12	12	13	11	14	
Total Gen		14012	13693	13417	13167	12881	12793	12532	12303	12192	11991	11871	11740	11690	11619	11180	10663	10441	10559	10785	10962	11302	11534	11780	11947	11940	11937	11951	12017	12069	12279	12409	12522	12574	12586	12527	12329	12247	12338	12601	13700	13875	13853	13798	13727	13607	13602	13522	13434	
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		38	14	33	35	3	18	8	25	27	24	-26	8	27	82	40	-28	-16	-19	15	-30	-61	-40	-66	-37	-69	-30	-10	-40	-15	-4	-22	-17	15	-5	-1	-30	5	59	-10	-45	-34	-32	10	-42	7	3	31	-28	
Interconnection		69	45	63	65	34	49	39	56	58	55	5	38	57	113	71	3	14	12	46	1	-30	-10	-35	-6	-38	1	21	-9	16	26	8	13	46	26	30	1	36	90	21	-14	-4	-1	40	-11	38	33	62	2	
System Total		13943	13648	13354	13102	12857	12744	12493	12247	12134	11936	11866	11702	11633	11506	11109	10660	10427	10547	10739	10961	11332	11544	11815	11953	11978	11936	11930	12026	12053	12253	12401	12509	12528	12560	12497	12328	12211	12248	12580	13714	13879	13854	13758	13738	13569	13569	13460	13432	
SRev ST-Coal		123	130	122	162	182	129	115	119	129	130	117	115	122	128	127	200	317	374	309	115	141	121	123	114	114	127	117	126	130	119	115	119	144	148	136	121	125	139	113	116	147	143	143	140	140	106	116	121	
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		286	281	561	708	593	465	387	591	687	910	1015	1146	1220	1261	1691	2138	2152	2080	1798	1834	1462	1255	1023	915	933	962	951	927	828	672	520	426	348	427	314	596	1065	1270	1021	186	227	220	237	243	286	224	244	222	
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	11	10	10	9	8	12	12	11	10	9	8	9	9	9	9	9	8	10	11	10	13	11	10	11	12	10	12	12	11	11	10	12	11	11	12	11	13	11	12	13	12	12	13	13	12	14	11	
Symcon		1148	1148	1144	1043	1043	1043	892	1043	1043	892	1043	1043	1043	1043	1043	1137	1137	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	
Hydro		127	130	139	223	102	103	232	102	108	237	115	118	237	110	120	117	208	196	115	119	127	119	175	126	154	285	143	236	131	240	133	263	262	263	258	188	264	401	264	432	446	393	432	355	382	262	264	222	
S.Reserve Total		1695	1700	1976	2146	1929	1748	1638	1867	1978	2179	2299	2430	2480	2551	2990	3507	3729	3701	3369	3216	2690	2458	2282	2115	2162	2185	2171	2100	2051	1841	1729	1768	1716	1799	1856	2054	2602	2809	2546	1647	1630	1652	1707	1778	1848	1803	1775	1713	