

Daily System Generation Summary on Saturday

Saturday, September 10, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,548 MW
Hydro	2,329 MW
Distillate	0 MW
Total TNB	5,877 MW
Total IPP	13,982 MW
Total Co-Gen	65 MW
Total System	20,488 MW

Generation Mix

Type	MWh	Percentage
Gas	44,823	14.14 %
Hydro	15,972	5.04 %
Total TNB	60,795	19.19 %
ST-Coal	172,318	54.38 %
Gas	77,600	24.49 %
Distillate	5,360	1.69 %
Total IPP	255,278	80.56 %
Co-Gen	931	0.29 %
Total Co-Gen	931	0.29 %
Total Generation	317,004	100.04 %
PLTG	-611	-0.19 %
HVDC	732	0.23 %
Interconnection	121	0.04 %
Net Energy	316,883	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:	20:00:00 Hour
Total Set On Bus	16,120 MW
TNB Generation	3,558 MW
IPP Generation	11,131 MW
Spinning Reserve	1,379 MW
Maximum Demand	14,684 MW
Net Energy	316,883 MWH
Load Factor	89.92 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	360
Hydro	320
Syncon	773
Thermal	117
Total	1,570

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

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	13537	13021	12510	12160	11825	11781	11693	11374	11217	12332	13249	13842	13807	13604	13947	14091	14167	13893	13487	13520	14684	14509	14146	13971

Gas Usage

Station	(mmscfd)
GLGR	55
PAKA	2
PGPS	44
SRDG	4
TJGS	215
Total TNB	320
CBPS	53
KLPP	111
MPSS	1
NPRI	81
PGLA	109
PLPS	49
PTEK	3
SGRI	165
Total IPP	570
Total Gas	890

Total Gas Required 933

Alternate Fuel Usage

Station	(mmscfd)
PLPS	17
SGRI	26
Total	43

Daily MW Generation on Saturday

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																											
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																											
Total Hydro		225	157	278	254	185	195	177	227	196	199	205	261	211	208	225	202	204	228	260	378	402	694	958	1038	999	741	627	777	795	1041	1119	1079	1041	1039	942	605	643	622	705	1125	1437	1441	1411	1413	1274	1265	997	928			
PLPS	GT13	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	54	144	143	142	144	143	144	140	143	144	144	145	146	143	141	136	134	135	140	139	139			
SGRI	GT12	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	127	131	131	131	129	131	136	131	135	131	131	131	130	130	131					
SGRI	GT21	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	0
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	54	144	143	248	264	391	395	391	395	396	393	396	404	396	398	389	387	388	392	391	393			
PCUF	CUFG	45	28	19	21	24	22	22	23	26	29	29	29	26	26	14	20	20	19	17	18	17	17	16	15	15	15	19	19	20	19	19	20	21	25	26	27	27	26	28	28	39	38	38	38	39	39	41	40			
PCUF	CUFK	14	15	13	14	12	14	13	13	13	16	14	13	13	15	13	14	12	15	15	15	12	14	14	14	13	15	14	13	13	13	13	13	13	13	13	13	13	13	13	14	13	13	14	13	14	13	12	14			
Total Co-Gen		59	43	32	35	36	36	35	36	39	42	45	43	39	40	27	33	35	32	31	30	32	32	31	27	29	33	33	34	32	34	33	33	34	38	39	40	40	39	42	41	52	51	52	51	53	52	53	54			
Total Gen		13528	13223	13011	12753	12543	12397	12216	11887	11844	11802	11790	11668	11690	11690	11426	11109	11198	11871	12285	12891	13219	13569	13859	13941	13805	13649	13593	13782	13943	14071	14029	14085	14195	14182	13947	13631	13516	13397	13536	14417	14741	14675	14572	14454	14156	14141	14027	13790			
TIE-ECAT		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		29	29	30	30	30	30	31	31	30	30	30	30	29	29	29	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-PLTC		-38	-41	-40	-61	3	-41	27	-54	-12	-26	-22	-17	-33	-3	23	-19	-48	-70	-78	-74	-60	-97	-14	-41	-33	-30	-42	-52	-35	-34	-93	-37	-2	-20	23	21	-1	31	-15	-73	27	9	32	-21	-21	-28	25	-16			
Interconnection		-9	-12	-10	-31	33	-11	56	-24	19	5	9	13	-3	27	52	10	-19	-39	-47	-43	-30	-67	17	-11	-2	1	-11	-21	-4	-3	-62	-6	28	11	54	52	29	62	16	-42	57	40	63	10	10	2	56	14			
System Total		13537	13235	13021	12784	12510	12408	12160	11911	11825	11797	11781	11655	11693	11663	11374	11099	11217	11910	12332	12934	13249	13636	13842	13952	13807	13648	13604	13803	13947	14074	14091	14091	14167	14171	13893	13579	13487	13335	13520	14459	14684	14635	14509	14444	14146	14139	13971	13776			
SRev ST-Coal		133	132	116	155	127	129	176	113	127	124	117	123	139	127	114	111	122	121	96	111	116	115	124	113	131	104	114	104	85	128	129	104	120	119	118	119	121	120	110	84	140	131	133	123	120	135	170	183			
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	25	-5	-3	-3	24	0	0	0	0		
SRev CCGT-Gas		500	598	317	372	334	488	463	906	907	958	1110	1280	1188	1198	1479	1658	1562	831	613	460	398	341	305	310	435	364	296	179	143	219	302	390	211	231	428	411	563	658	618	190	331	237	298	425	563	411	159	203			
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	0	
SRev 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	0	0	0
SRev Co-Gen		6	22	33	30	29	29	30	29	26	23	20	22	26	25	38	32	30	33	34	35	33	33	34	38	36	32	32	31	33	31	32	32	31	27	26	25	25	26	23	24	13	14	13	14	12	13	12	11			
Syncon		1036	1137	1011	1011	1137	1137	986	1137	1137	1137	1011	1137	1137	986	1011	1011	825	825	825	910	910	809	573	640	640	640	640	640	640	640	640	640	968	817	968	748	647	647	647	647	647	496	647	647	874						
Hydro		175	142	297	321	264	254	272	373	253	250	244	314	238	241	375	247	245	230	198	331	282	215	185	190	229	217	331	321	539	416	498	538	576	578	575	298	411	281	324	355	193	189	219	217	507	365	383	225			
S.Reserve Total		1850	2031	1774	1889	1891	2037	2078	2407	2450	2492	2628	2750	2728	2728	2992	3185	3096	2352	2078	1923	1840	1715	1473	1476	1656	1652	1683	1533	1372	1434	1636	1723	1613	1626	1822	1852	1967	2086	1853	1322	1379	1241	1344	1462	1760	1605	1406	1529			