

Daily System Generation Summary on Tuesday

Tuesday, September 13, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,168 MW
Hydro	2,321 MW
Distillate	0 MW
Total TNB	5,489 MW
Total IPP	13,963 MW
Total Co-Gen	0 MW
Total System	20,016 MW

Generation Mix

Type	MWh	Percentage
Gas	42,895	13.48 %
Hydro	8,740	2.75 %
Total TNB	51,635	16.23 %
ST-Coal	170,010	53.43 %
Gas	95,603	30.04 %
Total IPP	265,613	83.47 %
Co-Gen	1,173	0.37 %
Total Co-Gen	1,173	0.37 %
Total Generation	318,421	100.07 %
PLTG	-491	-0.15 %
EGAT	-36	-0.01 %
HVDC	738	0.23 %
Interconnection	211	0.07 %
Net Energy	318,210	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:	16:30:00 Hour
Total Set On Bus	17,121 MW
TNB Generation	2,528 MW
IPP Generation	12,826 MW
Spinning Reserve	1,721 MW
Maximum Demand	15,389 MW
Net Energy	318,210 MWH
Load Factor	86.16 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	371
Hydro	307
Syncon	850
Thermal	147
Total	1,675

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	45
PGPS	43
SRDG	13
TJGS	212
Total TNB	313
CBPS	51
KLPP	88
NPRI	77
PDPS	6
PGLA	107
PKLG	6
PLPS	85
PTEK	30
SGB3	63
SGRI	178
SKSP	32
Total IPP	723
Total Gas	1,036
Total Gas Required	1,036

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	11951	11422	11092	10702	10427	10300	10409	10676	11351	12973	14035	14699	14775	14613	15056	15289	15360	15090	14150	14012	15053	14934	14450	14338

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																										
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		149	353	388	374	370	403	371	365	343	372	367	363	369	315	219	153	159	382	422	684	462	492	457	277	184	183	179	248	218	521	545	465	447	448	364	178	172	167	171	636	767	666	667	400	220	233	215	186		
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	0	0
PCUF	CUFG	38	37	36	37	37	37	37	39	38	38	38	38	38	39	38	38	37	37	36	35	35	34	33	34	33	33	35	34	34	33	32	32	33	33	34	34	34	33	35	33	34	33	34	33	34	36	38			
PCUF	CUFK	13	14	13	13	14	12	13	14	13	14	13	14	13	14	13	15	14	15	13	13	13	12	13	12	13	12	13	13	14	12	13	13	14	14	14	14	14	14	12	13	13	15	13	15	15	15	15	14	13	13
Total Co-Gen		51	51	49	50	51	49	50	51	52	52	51	52	52	51	53	51	53	51	52	49	48	48	46	46	46	46	46	48	48	47	47	47	47	46	46	47	47	46	47	47	48	48	48	48	49	48	48	49	51	
Total Gen		11937	11603	11380	11181	11075	10847	10709	10576	10394	10399	10293	10399	10449	10720	10688	10716	11381	12318	12979	13567	14043	14422	14706	14865	14799	14558	14614	14849	15026	15370	15308	15343	15363	15400	15081	14640	14159	13884	14014	14944	15102	15073	14948	14806	14509	14535	14380	14130		
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		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	31	31	
TIE-PLTC		-45	-87	-73	-37	-48	4	-24	-66	-64	-38	-38	-14	9	30	-19	-27	0	0	-25	36	-23	-66	-24	37	-7	-32	-30	-17	-61	26	-12	-10	-28	-20	-40	-48	-22	-1	-29	-24	18	-8	-16	-8	28	-47	11	-7		
Interconnection		-14	-56	-42	-6	-17	35	7	-35	-33	-7	-7	17	40	61	12	4	30	31	6	67	8	-35	7	67	24	-1	1	14	-30	57	19	21	3	11	-9	-17	9	29	2	7	49	23	14	23	59	-16	42	24		
System Total		11951	11659	11422	11187	11092	10812	10702	10611	10427	10406	10300	10382	10409	10659	10676	10712	11351	12287	12973	13500	14035	14457	14699	14798	14775	14559	14613	14835	15056	15313	15289	15322	15360	15389	15090	14657	14150	13855	14012	14937	15053	15050	14934	14783	14450	14551	14338	14106		
SRev ST-Coal		29	151	72	33	-41	159	158	163	156	309	315	316	300	219	147	139	147	135	128	172	251	174	145	145	107	142	131	151	146	133	117	155	131	144	133	132	124	126	130	113	126	134	183	134	139	124	122	139		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	21	13	23	67	111	140	135	98	101	61	34	91	80	42	127	298	0	0	0	0	1	2	2	1	61	27	0	0		
SRev CCGT-Gas		610	836	1030	1255	1432	1161	1269	1392	1560	1431	1525	1415	1387	1142	1295	1207	931	984	903	682	313	387	562	85	197	373	329	182	177	188	194	191	187	175	336	215	449	738	609	161	338	257	334	260	311	238	297	309		
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 Co-Gen		-31	-31	-29	-30	-31	-29	-30	-31	-32	-32	-31	-32	-32	-31	-33	-31	-33	-31	-32	-29	-28	-28	-26	-26	-26	-26	-26	-28	-28	-27	-27	-27	-27	-26	-26	-27	-27	-26	-27	-27	-28	-28	-29	-28	-28	-29	-28	-31		
Syncon		1145	1044	893	1044	1044	893	1044	1044	1044	1044	1044	893	1044	1145	1145	918	918	581	833	833	833	926	1052	1060	800	1137	715	622	808	808	951	951	951	1137	1137	1144	1144	917	665	766	766	1043	1144	1144	993	1144				
Hydro		147	144	260	123	127	245	126	132	154	125	130	134	128	233	178	143	137	150	101	176	146	116	151	231	198	198	269	144	315	512	488	568	436	435	269	119	125	129	125	137	408	408	407	247	226	213	382	260		
S.Reserve Total		1900	2144	2226	2425	2531	2429	2567	2700	2882	2877	2983	2877	2827	2456	2631	2603	2337	2156	2018	1723	1536	1495	1688	1478	1639	1887	1638	1684	1426	1489	1614	1786	1738	1721	1790	1874	1808	2111	1981	1301	1510	1539	1664	1656	1853	1718	1765	1821		