

Daily System Generation Summary on Tuesday

Tuesday, July 4, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,034 MW
Distillate	0 MW
Total TNB	2,034 MW
Total IPP	18,285 MW
Total Co-Gen	0 MW
Total System	24,321 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,296	3.63 %
Gas	56,523	14.34 %
Total TNB	70,819	17.97 %
ST-Coal	228,522	57.98 %
LSS	6,418	1.63 %
Gas	88,684	22.50 %
Total IPP	323,624	82.11 %
Co-Gen	-46	-0.01 %
Total Co-Gen	-46	-0.01 %
Total Generation	394,397	100.07 %
PLTG	265	0.07 %
EGAT	5	0.00 %
Interconnection	270	0.07 %
Net Energy	394,127	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,824 MW
TNB Generation	3,922 MW
IPP Generation	14,712 MW
Spinning Reserve	1,193 MW
Maximum Demand	18,563 MW
Net Energy	394,127 MWH
Load Factor	88.47 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	770
Hydro	486
Syncon	548
Thermal	135
Total	1,939

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	165
Total TNB	194
CBPS	43
EMPP	272
NPRI	141
PCGP	79
SKSP	45
SPGP	185
Total IPP	764
Total Gas	958
Total Gas Required	958

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	16423	15635	15047	14493	14199	13934	14099	13993	14347	16017	16843	17391	17134	16925	17907	18452	18527	18282	16992	16887	17897	18009	17459	17007

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, July 5, 2023 9:20:14 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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
JMAH	U001	704	706	703	705	707	705	706	706	705	706	704	704	707	701	705	705	707	704	705	704	706	705	705	708
JMAH	U002	704	705	703	707	708	703	707	707	702	705	704	706	704	705	700	707	703	708	710	706	702	705	703	703
JMHE	U001	970	966	972	969	969	970	971	899	899	901	902	898	900	900	896	904	903	962	977	975	977	974	976	976
JMHE	U002	500	500	501	502	502	501	508	503	500	500	501	499	500	496	501	499	498	499	499	501	498	501	499	500
JMJG	U002	420	421	420	421	422	424	417	420	419	420	420	421	422	421	419	423	420	421	421	421	475	553	640	681
JMJG	U003	679	672	669	678	670	679	669	668	672	677	671	684	662	672	668	592	646	669	670	672	670	668	671	673
JMJG	U004	983	977	973	974	977	978	976	948	904	908	907	904	905	903	903	904	906	943	978	974	977	977	977	977
JMJG	U005	980	983	983	978	982	979	983	914	901	900	902	900	902	900	900	902	901	973	979	980	981	981	983	980
PKLG	U003	277	276	276	276	278	278	274	276	275	276	277	278	277	277	278	275	277	281	276	276	277	277	275	276
PKLG	U005	468	469	466	466	470	468	457	434	359	359	358	361	395	463	464	466	470	468	466	465	469	466	464	466
PKLG	U006	448	449	448	447	449	449	447	447	449	449	449	442	438	445	448	448	450	449	451	447	446	448	445	449
TBIN	U001	651	649	650	651	650	651	649	650	650	651	650	650	650	649	649	671	670	669	668	678	681	690	695	700
TBIN	U003	697	695	695	694	695	696	694	694	696	695	690	694	699	694	679	693	696	694	697	696	695	694	696	699
TBIN	U004	983	980	984	984	983	983	983	939	904	906	905	904	903	903	904	903	904	959	982	984	983	982	984	983
Total ST-Coal		9464	9448	9443	9452	9462	9464	9441	9205	9035	9052	9042	9048	9064	9135	9112	9094	9143	9398	9474	9484	9484	9494	9483	9503
Total ST-Oil		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 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
CBPS	BLK2	222	223	223	223	223	222	222	222	222	223	222	224	223	222	223	223	222	223	223	222	223	221	276	221
EMPP	BLK1	681	673	712	699	601	499	437	450	471	413	409	407	441	414	401	411	401	427	558	433	484	635	684	697
EMPP	BLK2	683	673	712	698	604	521	436	453	474	410	409	407	439	411	401	410	401	433	565	426	480	636	684	696
EMPP	BLK3	683	675	712	700	605	520	443	456	474	410	409	408	438	409	400	411	401	431	565	710	710	709	710	696
GLGR	GT02	93	93	93	93	94	94	94	95	94	95	95	95	95	95	94	95	94	94	94	94	94	94	94	93
GLGR	ST1C	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41
NPRI	BLK1	509	500	346	331	333	331	333	333	332	332	328	326	333	333	320	329	321	332	332	527	525	524	523	521
NPRI	BLK2	515	505	334	326	327	327	326	326	328	328	322	320	328	328	316	322	313	328	327	520	526	524	525	523
PCGP	PGRG	394	372	403	400	402	402	402	400	404	403	389	391	401	403	381	394	377	599	602	603	602	600	602	593
SKSP	BLK1	216	217	216	218	219	219	217	219	218	218	217	217	215	217	218	217	218	221	218	220	219	219	219	220
SPGP	BLK1	685	554	439	438	439	440	438	438	439	439	438	440	440	439	438	598	709	713	709	705	699	700	702	703
SPGP	BLK2	706	572	444	441	441	443	443	445	445	446	437	439	447	445	435	441	603	718	718	724	724	718	716	720
TJGS	GT1A	120	113	126	126	126	127	126	128	127	126	128	126	127	127	124	128	126	126	127	126	125	126	127	126
TJGS	GT1B	106	97	118	115	115	111	120	116	111	116	122	115	116	115	107	119	112	111	120	115	109	118	112	110
TJGS	ST1C	163	162	165	164	164	164	164	164	164	163	162	164	164	164	164	162	157	164	164	165	165	165	165	165
TJGS	GT2A	132	132	132	131	131	131	132	132	132	132	132	132	128	132	131	131	131	131	131	131	131	131	131	131
TJGS	GT2B	128	128	129	128	128	129	129	129	129	129	129	129	129	129	129	128	128	128	128	128	128	128	128	128
TJGS	ST2C	192	192	191	192	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	192	192	192	192	192
Total CCGT-Gas		6270	5923	5537	5465	5185	4913	4695	4739	4797	4615	4581	4570	4695	4618	4517	4592	4838	5405	5818	6085	6184	6482	6574	6574
Total 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
BSIA	HY01	21	21	21	22	11	11	11	11	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11
BSIA	HY02	20	20	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11
BSIA	HY03	22	22	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	35	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21
KNRG	HY02	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22	
KNRG	HY03	37	37	37	39	20	20	20	20	22	22	22	22	22	22	22	22	22	22	22	22	39	39	38	

Daily MW Generation on Tuesday

[illegible]

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																								
KHTC	BLK1	-24	-25	-26	-24	-23	-22	-23	-20	-20	-19	-18	-21	-19	-18	-21	-22	-29	-34	-37	-39	-39	-41	-38	-40	-39	-44	-41	-48	-48	-47	-41	-39	-38	-41	-33	-33	-30	-28	-27	-29	-26	-23	-24	-25	-25	-24	-21	
PCUF	CUFG	4	3	4	3	3	3	3	3	3	3	2	0	3	3	2	3	2	3	2	3	2	2	2	2	2	4	3	3	1	2	3	2	1	3	1	2	2	3	3	2	3	2	2	2	2	2	4	
PCUF	CUFK	26	2	4	2	4	1	3	4	2	2	3	1	0	3	2	2	2	3	2	1	2	1	26	27	25	26	27	27	26	26	26	26	25	25	27	26	25	24	25	27	25	26	26	26	25	26	27	
PFTZ	PFTZ	7	8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7				
Total Co-Gen		13	-12	-11	-9	-2	-11	-10	-6	-8	-8	3	-3	-5	-1	1	-5	-9	-16	-21	-26	-26	-28	-5	1	0	-3	-5	-3	-11	-13	-11	2	-2	-3	4	8	3	11	8	15	6	11	19	20	20	10	12	17
Total Gen		16451	15968	15632	15388	15050	14731	14494	14303	14193	14048	13936	13905	14132	14126	14000	13993	14353	15388	15999	16567	16820	17235	17400	17496	17142	16973	16899	17444	17922	18371	18458	18523	18559	18631	18325	17628	17039	16722	16907	17541	17931	17983	18026	17844	17477	17267	17022	16427
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		
TIE-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		28	31	-4	5	3	25	0	-1	-6	-6	1	-3	32	4	7	10	5	12	-18	-11	-23	-44	8	16	8	4	-27	-18	15	19	6	-4	32	68	43	33	47	31	20	29	34	18	16	27	18	14	15	10
Interconnection		28	31	-3	5	3	25	1	-1	-6	-6	2	-2	33	5	7	10	6	12	-18	-11	-23	-44	9	17	8	5	-26	-18	15	19	6	-4	32	68	43	34	47	32	20	29	34	18	17	27	18	14	15	10
System Total		16423	15937	15635	15383	15047	14706	14493	14304	14199	14054	13934	13907	14099	14121	13993	13983	14347	15376	16017	16578	16843	17279	17391	17479	17134	16968	16925	17462	17907	18352	18452	18527	18527	18563	18282	17594	16992	16690	16887	17512	17897	17965	18009	17817	17459	17253	17007	16417
SRev ST-Coal		106	122	127	118	108	106	129	364	464	452	460	452	473	432	433	411	404	192	116	106	136	126	137	117	126	262	166	117	132	123	130	107	129	138	199	182	137	141	128	132	133	143	138	148	197	154	126	116
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	
SRev CCGT-Gas		1364	1711	2097	2169	2449	2721	2939	2895	2837	3019	3053	3064	2939	3016	3117	3042	2796	2229	1816	1549	1450	1152	1060	1060	1401	1715	1890	1412	1039	518	471	389	299	278	287	786	1205	1434	1176	637	332	271	249	384	631	838	1124	1720
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
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	1	0	-1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Syncon		676	525	525	525	525	613	525	613	613	375	375	526	526	676	676	676	764	764	676	676	526	525	525	676	676	676	676	676	676	489	489	489	489	302	302	525	525	676	676	676	489	489	489	676	676	676	676	676
Hydro		402	411	357	362	350	389	387	389	385	516	595	464	376	380	384	462	478	378	379	373	374	368	564	570	530	540	523	483	364	512	523	479	518	475	592	577	571	397	424	487	577	581	573	424	382	451	440	454
S.Reserve Total		2548	2856	3193	3261	3606	3916	4154	4348	4386	4536	4657	4681	4488	4528	4784	4765	4528	3650	3162	2704	2636	2172	2286	2272	2733	3193	3254	2687	2211	1642	1614	1464	1434	1193	1380	2070	2438	2649	2404	1932	1531	1484	1449	1632	1886	2119	2366	2966