

Daily System Generation Summary on Tuesday

Tuesday, September 5, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,254 MW
Distillate	0 MW
Total TNB	2,254 MW
Total IPP	17,987 MW
Total Co-Gen	0 MW
Total System	24,243 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,994	5.22 %
Gas	40,548	10.59 %
Total TNB	60,542	15.81 %
ST-Coal	224,906	58.72 %
LSS	5,412	1.41 %
Gas	91,796	23.96 %
Total IPP	322,114	84.09 %
Co-Gen	33	0.01 %
Total Co-Gen	33	0.01 %
Total Generation	382,689	99.91 %
PLTG	337	0.09 %
HVDC	-694	-0.18 %
Interconnection	-357	-0.09 %
Net Energy	383,046	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	18,909 MW
TNB Generation	3,436 MW
IPP Generation	14,561 MW
Spinning Reserve	925 MW
Maximum Demand	18,036 MW
Net Energy	383,046 MWH
Load Factor	88.49 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	410
Hydro	457
Syncon	466
Thermal	222
Total	1,555

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Cloudy	23

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	44
Total TNB	73
CBPS	42
EMPP	270
NPRI	139
PCGP	81
SGRI	72
SPGP	194
Total IPP	798
Total Gas	871
Total Gas Required	871

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	15537	14828	14234	13808	13512	13351	13691	13963	14241	15753	16599	16970	16926	16749	17417	17973	18008	17630	16670	16714	17479	17312	16712	16238

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, September 11, 2023 2:08:48 PM

(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	695	697	695	694	696	696	697	694	697	695	695	696	696	696	696	696	697	695	696	694	696	694	695	696	
JMAH	U002	693	694	695	694	698	695	696	696	693	693	695	693	695	695	695	695	697	693	693	694	694	694	696	694	
JMHE	U001	900	899	903	899	911	909	900	902	898	848	847	851	851	849	852	847	852	933	927	931	930	929	927	906	
JMHE	U002	972	974	971	972	901	900	903	902	900	850	852	848	851	852	850	847	851	943	975	976	978	977	976	971	
JMJG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JMJG	U002	391	393	393	392	393	391	393	390	391	391	392	393	392	391	392	393	390	391	392	393	391	392	393	391	
JMJG	U003	673	673	673	672	674	671	683	672	679	671	667	677	671	667	672	667	663	671	665	682	667	673	672	671	675
JMJG	U004	977	976	975	977	945	903	901	905	878	858	861	861	857	856	860	858	859	889	946	981	982	981	980	981	983
PKLG	U003	277	275	276	276	275	275	275	276	277	274	274	275	276	276	277	276	275	275	277	275	278	276	276	277	275
PKLG	U004	275	274	272	274	274	272	275	274	277	274	280	279	278	277	280	274	273	276	275	279	279	277	275	273	274
PKLG	U005	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465
TBIN	U001	685	688	689	689	689	688	689	690	688	689	688	690	687	688	688	689	685	688	688	688	689	689	687	688	686
TBIN	U002	688	688	688	682	687	689	686	691	689	688	689	687	690	690	686	688	689	687	688	690	689	688	688	689	687
TBIN	U003	685	688	686	686	685	687	686	685	686	687	687	686	686	687	685	685	685	687	688	687	688	688	688	688	686
TBIN	U004	981	984	981	984	956	913	904	903	885	852	855	854	854	853	854	853	851	880	922	968	983	983	980	982	981
Total ST-Coal		9357	9368	9362	9356	9249	9154	9153	9145	9103	8935	8947	8955	8951	8940	8947	8937	8937	9167	9311	9428	9421	9430	9421	9412	9408
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	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	0
CBPS	BLK2	210	212	211	203	207	209	210	211	206	212	209	212	212	211	208	212	214	210	212	220	222	213	222	207	221
EMPP	BLK1	508	411	413	403	409	413	411	432	406	438	408	423	454	433	412	403	411	617	698	708	691	704	685	702	699
EMPP	BLK2	504	410	412	403	410	410	411	435	406	441	410	423	457	432	412	403	411	619	694	708	692	700	684	702	675
EMPP	BLK3	508	410	413	403	409	411	411	438	406	439	411	423	457	431	410	403	411	617	696	708	693	701	685	703	675
GLGR	GT01	94	96	95	94	94	93	94	94	94	95	94	96	95	95	94	94	96	94	95	95	96	94	94	93	95
GLGR	ST1C	41	41	42	41	41	41	41	42	42	42	42	42	42	42	41	41	41	41	41	42	42	41	41	41	42
NPRI	BLK1	313	312	311	302	307	310	311	312	305	311	309	312	311	312	311	305	313	317	445	526	524	524	516	523	506
NPRI	BLK2	327	326	326	316	320	328	326	326	321	328	324	325	326	328	326	320	326	332	325	472	512	514	505	514	496
PCGP	PGRG	601	551	399	381	391	400	400	402	389	400	396	406	402	403	404	393	605	610	598	605	597	597	582	598	565
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	136	143	
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	143	145	147	148	148	
SGRI	GT13	110	110	110	110	111	111	110	110	110	110	112	111	110	110	111	115	111	113	110	108	111	140	147	148	
SGRI	ST14	56	64	61	59	58	62	59	58	59	62	59	58	59	62	58	58	111	137	137	217	219	221	220	217	219
SPGP	BLK1	719	718	719	696	527	400	400	399	401	400	399	398	401	649	718	720	718	717	718	718	720	718	719	719	716
SPGP	BLK2	716	719	614	424	432	438	436	437	432	437	434	442	486	712	717	586	713	715	711	713	710	707	696	700	687
TJGS	GT1A	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1B	120	116	131	132	132	133	128	131	132	132	132	133	133	131	130	131	134	131	129	134	129	135	131	131	119
TJGS	ST1C	70	73	79	80	79	80	80	79	80	80	79	80	79	79	80	79	80	79	79	79	79	79	78	80	80
Total CCGT-Gas		5014	4569	4336	4047	3927	3839	3828	3906	3789	3927	3816	3885	4025	4431	4435	4254	4640	5282	5607	5890	6018	6127	6094	6369	6215
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	0
BSIA	HY01	21	21	22	21	22	22	22	22	21	22	21	21	21	21	21	21	21	11	11	11	11	11	11	11	11
BSIA	HY02	0	0	0	0	0	0	0	4	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	HY03	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22	22	23	23	22	22
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10
CEND	HY02	9	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	HY03	10	9	9	9	9	10	10	9	9	9	9	10	10	9	10	9	9	10	10	10	10	10	10	10	10
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	7
HTRG	HY01	0	0	0	0	66	0	0	0	62	69	69	68	69	68	69	69	69	69	69	69	69	68	68	68	68
HTRG	HY02	68	68	68	68	68	69	69	69	68	69	69	69	69	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

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
HTRG	HY04	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
KNRG	HY01	36	36	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	37	37	37	37	37	37	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	37	37	37	37	37	37	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
KNYR	HY01	96	96	96	96	96	96	97	96	97	97	96	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY03	99	99	97	96	96	98	98	97	98	98	98	99	99	98	96	98	99	99	99	100	98	97	100	97
KNYR	HY04	98	98	98	93	94	98	98	98	73	98	63	96	98	98	79	65	67	98	71	99	59	59	59	60
LPJA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	18	18	18	18	18	18	18
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	121	121	121	121	81	81	21	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	112
PGAU	HY02	119	119	118	116	82	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	82	114
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	80	80	80	80	44	80	44	47	40	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	82	57	61	44	46	86	46	89	47	46	46	89	45	47	47	45	45	57	46	45	43	45	40	45
TMGR	HY03	82	81	81	81	82	80	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	81	81	82	82	82	81	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		1143	1116	1119	1093	1054	1008	805	670	619	610	575	608	653	546	531	513	515	546	425	519	613	544	562	546
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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																								
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	12	26	26	33	39	41	42	45	28	36	45	27	30	14	1	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0			
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	14	10	11	21	21	20	13	21	25	19	21	23	12	19	16	2	0	0	1	0	0	0	0	0	0	0	0	0	0			
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	7	12	21	18	22	24	30	30	30	30	30	30	25	30	25	21	13	7	2	0	0	0	0	0	0	0	0	0	0			
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	9	83	205	370	469	558	687	834	836	893	840	838	850	562	500	522	529	385	309	240	187	81	36	7	4	0	0	0	0	0	0	0	0		
ESTL	ESTL	-8	-16	-4	-4	-10	-17	0	-11	-10	0	11	22	14	15	14	16	8	0	7	14	12	12	10	11	8	6	0	8	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KHTC	BLK1	-17	-15	-16	-15	-15	-16	-15	-14	-14	-13	-12	-13	-12	-16	-18	-15	-20	-21	-25	-31	-33	-34	-37	-39	-40	-44	-42	-44	-47	-42	-40	-38	-38	-36	-34	-29	-25	-29	-28	-28	-24	-22	-21	-18	-18	-18	-17	-16
KCUF	CUFG	19	20	21	20	20	20	21	17	20	19	21	21	20	18	20	22	21	20	-20	-20	21	19	20	20	19	20	20	19	19	20	19	19	20	21	20	20	21	19	20	19	20	19	21	20	20			
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
Total Co-Gen		-2	-7	5	5	-1	-9	10	-4	0	11	22	34	27	23	20	25	14	4	6	7	4	1	-3	-5	-6	-12	-12	-20	-14	-19	-16	-5	-15	-13	-11	-5	0	-5	-4	-3	-1	2	2	6	9	7	7	8
Total Gen		15512	15046	14822	14501	14229	13992	13796	13717	13511	13483	13360	13482	13656	13940	13933	13738	14189	15204	15719	16313	16614	16789	16908	17158	16941	16793	16747	17159	17423	17933	17951	17982	17962	17984	17637	17173	16653	16522	16715	17403	17459	17469	17297	17129	16729	16557	16220	15784
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		-29	-28	-28	-29	-29	-29	-30	-28	-31	-28	-27	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-30	-28	-28	-30	-30	-28	-28	-30	-30	-28	-29	-29	-29	-28	-30	-28	-28	-29	-31	-28	-29		
TIE-PLTG		4	11	22	44	24	29	19	11	30	18	36	-4	-6	-22	-1	7	-23	0	-5	15	43	-7	-33	-3	44	35	28	28	36	18	6	20	-16	-21	35	28	12	7	30	10	11	29	13	22	46	18	10	19
Interconnection		-25	-17	-6	14	-5	0	-12	-18	-1	-10	9	-33	-35	-50	-30	-22	-52	-29	-34	-13	15	-36	-62	-32	15	5	-2	-2	6	-10	-22	-8	-46	-52	7	0	-17	-21	1	-17	-20	1	-15	-7	17	-12	-18	-10
System Total		15537	15063	14828	14487	14234	13992	13808	13735	13512	13493	13351	13515	13691	13990	13963	13760	14241	15233	15753	16326	16599	16825	16970	17190	16926	16788	16749	17161	17417	17943	17973	17990	18008	18036	17630	17173	16670	16543	16714	17420	17479	17468	17312	17136	16712	16569	16238	15794
S.Rev ST-Coal		205	194	200	206	363	501	505	512	508	524	518	510	515	529	521	517	529	455	376	259	266	257	196	205	209	203	202	200	196	211	214	215	187	192	201	209	189	203	356	293	195	207	204	219	210	242	223	226
S.Rev CCGT-Gas		1778	1869	2102	2391	2511	2599	2610	2532	2649	2511	2622	2553	2413	2007	2003	2184	1798	1181	831	548	639	530	703	504	658	769	813	443	192	153	184	201	172	138	306	338	568	654	589	184	202	322	373	530	607	553	783	1114
S.Rev 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	
S.Rev 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	
S.Rev Co-Gen		-3	0	0	2	0	-1	0	1	0	0	-1	2	1	1	1	0	0	-1	0	0	-1	0	0	1	0	0	0	-1	0	0	1	0	0	0	-1	0	0	-2	-1	-1	0	0	0	1	0	1	-1	
Syncon		374	374	374	374	374	374	525	613	764	852	852	852	852	978	978	978	978	978	978	890	676	802	651	802	802	802	802	802	489	0	0	0	0	0	0	313	500	500	500	500	500	313	651	651	651	890	890	890
Hydro		182	209	206	232	396	317	369	313	298	219	254	221	176	157	172	190	188	157	178	172	292	235	368	233	348	332	333	297	419	584	740	734	662	595	698	737	759	780	781	559	576	704	339	340	456	269	319	297
S.Reserve Total		2536	2646	2882	3205	3644	3790	4009	3971	4219	4106	4245	4138	3957	3672	3675	3869	3493	2770	2363	1869	1872	1824	1918	1745	2017	2106	2150	1741	1296	948	1163	1151	1021	925	1205	1621	2016	2137	2224	1535	1472	1546	1567	1740	1925	1954	2216	2526