

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,999 MW
Distillate	0 MW
Total TNB	1,999 MW
Total IPP	17,691 MW
Total Co-Gen	0 MW
Total System	22,989 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,206	3.97 %
Gas	44,329	11.59 %
Total TNB	59,535	15.56 %
ST-Coal	221,510	57.90 %
LSS	4,765	1.25 %
Gas	95,754	25.03 %
Total IPP	322,029	84.18 %
Co-Gen	418	0.11 %
Total Co-Gen	418	0.11 %
Total Generation	381,982	99.85 %
PLTG	138	0.04 %
HVDC	-703	-0.18 %
Interconnection	-565	-0.15 %
Net Energy	382,547	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	18,976 MW
TNB Generation	3,237 MW
IPP Generation	14,574 MW
Spinning Reserve	1,160 MW
Maximum Demand	17,803 MW
Net Energy	382,547 MWH
Load Factor	89.53 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	564
Hydro	259
Syncon	530
Thermal	190
Total	1,543

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	36
TJGS	68

Total TNB 104

CBPS	47
EMPP	262
KLPP	34
NPRI	142
PCGP	81
PLPS	73
SPGP	190

Total IPP 829

Total Gas 933

Total Gas Required 933

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	15509	14713	14213	13795	13432	13260	13640	13732	14226	15778	16578	17076	16965	16654	17204	17513	17776	17400	16619	16832	17734	17527	17119	16617

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 2, 2023 10:55:30 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	696	695	696	691	686	686	685	685	685	686	685	696	695	696	692	696	694	695	691	696	694	695	691	695	696
JMAH	U002	694	695	694	695	694	696	695	692	697	693	692	695	695	691	692	694	688	697	695	695	697	694	704	694	694
JMHE	U001	899	897	899	890	900	892	894	852	853	851	849	850	852	851	894	901	897	899	898	898	901	902	900	900	898
JMHE	U002	978	979	980	975	896	900	899	849	849	852	851	849	849	893	898	899	899	899	972	979	979	983	977	978	974
JMJG	U001	669	681	669	667	668	669	664	667	667	668	672	669	664	670	676	666	661	676	670	659	597	585	611	684	667
JMJG	U002	629	587	618	649	662	677	679	676	670	677	674	675	674	678	677	667	684	663	678	674	679	664	685	664	681
JMJG	U003	669	663	668	668	664	668	667	667	673	669	665	662	668	667	671	666	667	666	667	670	668	660	674	667	668
PKLG	U003	276	277	275	276	276	276	273	274	275	276	273	277	277	278	274	274	276	274	276	275	277	276	277	275	274
PKLG	U004	277	275	276	276	277	276	277	275	276	281	276	275	277	277	275	276	274	274	275	273	274	277	275	273	275
PKLG	U005	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
TBIN	U001	690	689	689	691	689	689	691	692	689	602	599	600	601	649	692	690	689	690	690	689	691	690	693	689	690
TBIN	U002	688	686	689	687	687	689	690	689	687	601	601	602	601	616	689	690	686	688	690	689	690	688	689	687	688
TBIN	U003	687	687	687	687	687	687	689	687	689	601	597	597	597	640	689	689	686	687	687	685	687	687	686	688	687
TBIN	U004	984	983	984	983	970	922	903	892	854	854	853	853	853	881	904	903	902	903	929	974	980	981	984	982	984
Total ST-Coal		9296	9254	9284	9295	9216	9187	9166	9057	9024	8771	8747	8760	8763	8875	9155	9171	9166	9170	9178	9266	9267	9233	9303	9350	9343
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	211	212	212	209	212	202	211	212	204	211	206	212	210	195	205	256	375	376	375	376	377	376	375	372	370
EMPP	BLK1	579	561	436	410	429	399	410	414	403	408	406	414	506	486	387	406	456	487	495	561	610	685	674	643	541
EMPP	BLK2	586	560	437	410	433	399	410	414	403	408	406	414	505	487	386	404	456	494	497	562	604	688	671	639	542
EMPP	BLK3	585	561	437	409	432	399	409	415	403	408	406	413	505	486	385	404	456	494	500	564	610	687	671	643	540
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLGR	GT02	93	94	93	93	94	94	93	93	94	94	93	94	93	93	93	93	94	94	94	106	106	106	106	106	95
GLGR	ST1C	41	40	41	41	41	41	40	41	41	39	40	40	41	41	41	41	41	41	42	42	46	46	46	45	46
KLPP	GT15	106	108	105	105	105	105	105	109	104	105	105	107	109	107	102	105	109	110	105	104	108	107	106	105	104
KLPP	ST17	62	61	61	60	62	61	60	60	61	61	61	62	62	61	61	61	62	63	62	62	62	62	62	61	61
NPRI	BLK1	461	309	308	303	310	296	308	313	299	306	301	309	309	309	286	301	310	313	523	523	523	523	522	521	445
NPRI	BLK2	409	329	329	328	330	317	332	335	320	331	323	331	332	331	308	322	341	371	530	529	529	529	529	527	529
PCGP	PGRG	602	602	602	400	402	390	401	404	393	397	395	402	402	402	380	382	402	614	603	601	599	602	602	601	602
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	147	145	145	147	136	115	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	153	141	119	
PLPS	GT13	124	124	124	125	124	121	124	124	122	125	122	125	125	125	119	120	124	126	120	123	136	145	144	144	
PLPS	ST18	59	58	57	57	56	58	58	57	58	58	57	58	58	58	57	58	58	57	55	57	142	144	144	209	
SPGP	BLK1	718	720	717	714	599	587	454	364	366	363	366	363	498	499	499	409	717	717	715	714	715	713	711	711	706
SPGP	BLK2	713	713	713	708	598	585	451	400	388	397	391	400	400	498	473	390	492	716	718	715	714	713	712	712	711
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
TJGS	GT2B	159	162	162	161	162	161	161	162	162	162	161	161	161	161	161	161	161	161	161	161	184	161	161	159	161
TJGS	ST2C	96	94	93	94	94	94	94	93	94	93	94	93	93	93	94	93	93	94	94	93	94	101	93	93	94
Total CCGT-Gas		5604	5308	4927	4627	4483	4309	4121	4011	3914	3968	3930	4002	4276	4446	4028	4044	4319	5327	5691	5946	6266	6525	6549	6604	6256
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	HY03	12	12	12	12	12	11	12	12	11	11	11	12	12	11	11	12	12	12	12	12	12	24	23	23	23
CEND	HY01	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
CEND	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	7
CEND	HY03	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
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	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	-1
HTRG	HY04	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3

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						
KNRG	HY02	23	23	23	23	23	23	23	23	24	23	24	23	23	23	23	23	24	38	38	38	23	23	23	38	38	37	37	38	23	
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	38	38	38	22	22	22	38	38	38	38	38	22	
KNYR	HY01	95	96	96	96	96	96	96	96	95	96	96	95	100	100	100	100	98	99	99	99	99	100	100	99	99	98	99	96		
KNYR	HY02	95	95	95	95	95	96	95	95	95	95	95	101	101	101	101	101	100	99	99	99	99	99	99	99	99	99	99	99		
KNYR	HY03	99	0	0	0	0	0	0	97	97	97	97	98	93	49	99	99	99	98	98	98	98	99	99	98	98	98	98	97		
KNYR	HY04	97	98	98	98	98	92	98	98	93	95	93	97	97	88	55	97	97	97	97	97	95	97	97	97	97	95	96	95		
LPIA	HY02	26	27	26	26	27	27	27	27	27	27	27	27	27	27	26	27	27	27	27	27	27	27	27	27	26	27	27	27		
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	3	3	3	3		
PGAU	HY01	-1	-1	-1	-1	17	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	21	-1	-1	-1	-1		
PGAU	HY02	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19		
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	21	21	0	0	0		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	15	15	22	22	22	15	15	15	15	15		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	17	17	17	17	17		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	13	0	0	0		
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	34	35	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	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	-1	-1	-1	-1		
TMGR	HY04	57	41	43	43	54	39	42	44	39	41	41	48	41	41	36	39	82	57	44	41	49	43	42	41	42	42	43	41		
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	95	98	97	97	98	95	176	183	179	182	91	-1	0	0	
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	5	5	5	5		
UPIA	HY02	5	5	5	5	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		564	452	453	453	465	461	455	457	464	545	543	555	548	548	527	376	593	566	574	562	571	580	667	705	705	706	570	609	675	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	8	9	11	10	13	16	30	16	18	32	26	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	12	13	7	5	7	11	3	4	4	9	12	15	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	4	12	10	9	14	15	9	11	0	4	10	16	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	15	15	13	18	29	25	11	32	24	36	40	22	37	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	9	13	21	23	23	33	38	27	36	30	31	11	11	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7	10	15	19	10	23	8	26	12	25	26	18	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	18	11	7	10	5	19	32	22	23	13	15	23	32	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	9	14	8	6	8	8	7	12	23	2	13	3	9	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	8	4	15	9	21	15	21	36	51	35	43	44	33	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	13	14	30	32	22	21	34	49	27	46	6	8	31	45	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	7	11	21	28	24	22	11	16	53	19	13	19	28	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	5	15	15	8	10	20	26	11	9	4	6	15	17	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	6	13	28	15	11	17	8	9	11	22	46	48	100	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	4	9	5	3	5	2	2	2	6	12	18	30	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	8	8	19	13	18	24	20	30	29	29	29	23	5	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	14	19	39	37	45	40	45	51	49	40	12	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	22	23	55	91	92	96	97	93	95	78	93	41	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	24	50	71	75	69	68	63	73	63	94	101	62	13	34	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	8	15	16	10	8	2	6	11	21	39	37	44	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	24	28	23	14	26	30	39	42	31	28	33	29	32	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	13	12	18	13	9	13	13	15	14	22	25	19	
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	9	12	15	22	26	18	15	12	10	22	21	15	
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	9	23	27	11	24	29	30	30	30	19	23	7	17	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	109	189	291	403	441	508	519	565	635	595	693	616	614	591	
ESTL	ESTL	-2	-7	0	-8	-5	0	0	0	2	2	2	0	8	0	0	0	0	0	10	7	0	0	1	8	0	0	0	0	2	-9

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	-22	-19	-21	-22	-23	-20	-21	-21	-21	-19	-21	-24	-28	-25	-31	-34	-35	-37	-41	-37	-38	-41	-38	-35	-35	-37	-40	-37	-43	-43	-45	-41	-41	-39	-37	-34	-32	-33	-33	-31	-30	-29	-30	-28	-23		
PCUF	CUFG	14	14	14	13	12	13	14	15	13	13	13	14	14	14	14	13	14	14	12	11	12	11	10	10	12	15	21	20	20	20	21	21	23	21	22	22	23	22	23	24	25	24	26	24	25	25		
PCUF	CUFK	23	25	25	25	24	24	26	25	25	25	24	24	26	27	23	26	23	23	24	24	23	24	24	25	23	24	25	25	24	26	25	24	23	26	26	26	27	27	23	25	25	26	26	25	24			
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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		16	15	25	14	14	19	25	24	22	24	25	24	24	30	15	20	11	7	8	16	10	-1	4	3	5	-1	6	7	12	11	3	1	4	5	10	7	13	23	29	32	28	20	33	43	42	34	37	40
Total Gen		15480	15029	14689	14389	14178	13976	13767	13549	13424	13308	13245	13341	13611	13899	13725	13635	14198	15259	15742	16193	16555	16845	17042	17227	16944	16689	16623	16959	17186	17439	17462	17557	17764	17816	17423	17066	16613	16491	16846	17707	17712	17660	17523	17311	17089	16896	16600	16080
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	-29	-31	-30	-29	-29	-29	-28	-30	-28	-30	-31	-29	-29	-31	-31	-29	-29	-28	-29	-28	-31	-28	-31	-28	-31	-28	-29	-31	-28	-29	-29	-28	-29	-29	-30	-29	-28	-30	-29	-28	-29	-31	-31	-29	-29		
TIE-PLTG		0	8	6	-5	-6	36	1	-5	23	8	13	-6	2	18	22	-2	2	1	-8	2	5	-11	-6	-15	7	2	-1	9	13	-33	-22	-40	16	42	52	32	22	18	45	3	6	9	25	-4	-1	-4	14	-16
Interconnection		-29	-20	-24	-35	-35	7	-28	-33	-8	-20	-15	-36	-29	-11	-7	-32	-28	-28	-36	-27	-23	-40	-34	-45	-21	-29	-31	-19	-18	-61	-51	-71	-12	13	23	4	-6	-12	14	-26	-22	-21	-4	-32	-30	-35	-17	-45
System Total		15509	15049	14713	14424	14213	13969	13795	13582	13432	13328	13260	13377	13640	13910	13732	13667	14226	15287	15778	16220	16578	16885	17076	17272	16965	16718	16654	16978	17204	17500	17513	17628	17776	17803	17400	17062	16619	16503	16832	17733	17734	17681	17527	17343	17119	16931	16617	16125
SRev ST-Coal		216	168	228	217	292	325	345	398	391	562	576	564	559	525	331	340	344	341	334	246	221	189	209	162	169	185	175	181	196	166	157	172	156	175	183	153	168	144	174	171	172	170	187	187	173	172	168	203
SRev CCGT-Gas		1065	1361	1742	2042	2186	2360	2548	2658	2755	2701	2739	2667	2393	2223	2641	2625	2350	1377	998	960	640	381	500	518	866	1060	1459	1060	887	431	628	474	543	426	645	736	1087	1160	743	275	220	230	289	456	634	712	576	1009
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	
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 Co-Gen		2	2	0	0	0	0	0	0	0	1	-1	-2	0	0	0	0	-1	0	0	0	-2	1	0	-2	2	0	0	1	-1	0	-1	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	
Syncon		791	791	791	791	791	640	791	791	640	791	791	791	791	791	791	791	641	640	791	791	640	464	516	516	516	604	604	604	604	604	517	516	365	302	791	791	791	791	428	277	365	365	604	604	604	604	453	
Hydro		114	126	125	125	113	268	123	121	265	133	135	123	130	130	151	302	85	112	255	116	107	249	338	248	248	247	195	256	240	233	144	89	141	194	440	141	141	139	149	270	464	412	486	302	209	95	91	257
S.Reserve Total		2188	2448	2886	3175	3382	3593	3807	3968	4051	4188	4240	4143	3873	3669	3914	4058	3569	2471	2227	2113	1757	1460	1511	1442	1801	2008	2433	2102	1926	1434	1532	1262	1356	1160	1570	1821	2187	2233	1857	1144	1133	1176	1327	1549	1620	1583	1439	1922