

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	18,057 MW
Total Co-Gen	0 MW
Total System	24,313 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,722	5.19 %
Gas	47,741	12.57 %
Total TNB	67,463	17.76 %
ST-Coal	218,996	57.65 %
LSS	4,434	1.17 %
Gas	88,698	23.35 %
Total IPP	312,128	82.17 %
Co-Gen	53	0.01 %
Total Co-Gen	53	0.01 %
Total Generation	379,644	99.94 %
PLTG	115	0.03 %
EGAT	5	0.00 %
HVDC	-347	-0.09 %
Interconnection	-227	-0.06 %
Net Energy	379,871	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:	14:30:00 Hour
Total Set On Bus	19,073 MW
TNB Generation	3,311 MW
IPP Generation	14,443 MW
Spinning Reserve	1,319 MW
Maximum Demand	17,704 MW
Net Energy	379,871 MWH
Load Factor	89.40 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	356
Hydro	626
Syncon	285
Thermal	213
Total	1,480

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	72
Total TNB	102
CBPS	46
EMPP	277
NPRI	141
PCGP	87
SGRI	20
SPGP	209
Total IPP	779
Total Gas	881
Total Gas Required	881

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Time Weather Temperature

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	15144	14570	13939	13470	13055	12973	13229	13401	14162	16001	16825	17403	17442	17006	17421	17671	17543	17243	16308	16521	17429	17326	16777	16422

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 7, 2023 4:05:59 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	695	695	693	695	695	695	697	694	695	694	696	695	699	696	694	694	694	695	698	693	694	696	696	697	698	693	693	694	698
JMAH	U002	695	693	695	696	692	694	695	694	694	690	694	692	697	696	693	694	696	694	693	694	695	691	696	694	696	691	695	693	696	696
JMHE	U001	964	966	957	896	900	847	850	853	846	849	849	844	850	849	851	854	852	945	976	976	975	975	976	968	959	943	963	955	946	953
JMHE	U002	37	54	137	151	460	510	494	500	626	819	849	845	849	849	851	849	853	953	970	972	974	973	974	979	967	972	974	973	972	970
JMJG	U001	672	669	673	672	674	667	677	671	670	672	675	671	570	475	483	473	485	477	472	388	362	353	349	0	0	0	0	0	0	0
JMJG	U002	401	399	403	401	403	405	400	404	401	405	399	401	403	403	401	399	398	403	388	388	393	394	392	391	391	394	395	394	393	391
JMJG	U003	663	667	667	669	671	668	666	666	674	662	680	667	601	601	597	598	587	608	592	617	667	660	666	664	663	667	660	670	665	667
JMJG	U004	980	960	903	896	896	855	849	843	848	846	848	848	849	849	848	848	892	952	981	977	986	985	983	981	985	983	980	985	985	983
PKLG	U003	276	277	275	276	277	275	276	275	274	274	276	276	276	276	275	275	275	272	274	273	273	275	274	274	275	273	275	274	273	275
PKLG	U004	271	275	272	273	273	274	274	271	268	272	275	272	272	273	279	275	275	274	275	277	277	273	277	276	274	274	272	275	274	275
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	465	465	465	465	465
TBIN	U001	689	687	690	689	687	491	399	322	298	222	209	210	210	209	324	403	549	693	687	689	688	687	688	689	687	688	690	688	685	688
TBIN	U002	687	686	687	687	689	503	400	394	298	228	209	209	210	211	354	401	512	692	689	693	687	691	686	687	694	688	690	686	688	689
TBIN	U003	684	686	688	686	684	595	497	407	395	265	212	209	210	211	288	405	530	693	686	687	685	689	686	688	687	686	688	686	686	687
TBIN	U004	983	968	923	905	903	869	852	854	853	886	901	902	904	903	902	904	950	983	984	983	983	982	980	984	981	983	982	983	982	983
Total ST-Coal		9162	9147	9130	9055	9369	8813	8489	8316	8304	8250	8233	8207	8061	7967	8308	8538	8925	9709	9799	9783	9794	9794	9788	9417	9420	9414	9423	9421	9410	9432
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	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	0	0	0	0	0
CBPS	BLK2	210	220	220	218	211	217	221	219	213	212	221	220	222	222	218	225	222	223	312	360	360	323	342	321	325	354	362	311	366	361
EMPP	BLK1	677	640	536	463	399	406	413	411	401	401	410	404	504	579	442	415	459	561	710	710	713	710	711	710	710	706	709	711	699	719
EMPP	BLK2	679	636	536	464	398	406	411	411	401	401	410	405	509	581	434	414	460	562	711	713	713	710	711	710	711	698	709	711	692	720
EMPP	BLK3	681	637	535	463	399	406	412	411	401	401	410	405	511	579	439	414	459	564	710	712	713	709	711	711	709	705	709	711	693	719
GLGR	GT01	94	95	95	94	93	94	93	94	93	95	96	94	94	93	95	95	96	96	95	108	105	109	107	109	107	108	109	107	108	107
GLGR	ST1C	42	41	42	41	41	42	41	42	41	42	41	42	41	42	41	42	43	42	47	47	46	46	45	46	46	46	47	46	47	46
NPRI	BLK1	487	311	313	309	298	307	311	308	299	301	311	308	311	310	313	308	316	313	333	526	524	523	529	523	526	523	526	530	520	532
NPRI	BLK2	311	328	328	323	313	320	328	322	314	314	325	324	326	342	328	323	341	335	388	525	526	525	527	526	526	522	526	530	520	535
PCGP	PGRG	573	600	602	592	380	540	601	591	578	579	502	496	599	603	600	596	614	608	608	602	615	601	608	602	601	598	601	611	589	618
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
SGRI	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	0	0	0
SGRI	ST14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK1	720	719	719	720	720	719	720	719	719	720	719	717	718	716	717	718	718	718	717	715	719	716	714	713	715	714	710	712	710	709
SPGP	BLK2	699	715	718	712	618	707	717	710	700	702	715	716	713	713	716	710	715	715	715	711	716	712	709	707	711	707	710	708	703	706
TJGS	GT1A	0	0	0	0	0	0	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	124	132	135	132	127	132	133	133	132	130	128	132	129	134	133	131	132	129	134	132	210	141	142	164	203	212	210	214	214	211
TJGS	ST1C	79	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	110	86	88	177	238	252	252	251	252	251	252
Total CCGT-Gas		5376	5154	4859	4611	4076	4375	4480	4449	4369	4375	4373	4338	4759	4992	4557	4464	4653	4950	5465	5983	5981	6022	6254	6399	6389	6357	6417	6448	6364	6661
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	0	0	0	0	0
BSIA	HY01	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	12	21	21	21	21
BSIA	HY02	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	20	20	11	20	20	20	20
BSIA	HY03	22	22	22	22	10	10	11	10	10	10	10	10	11	11	11	11	11	11	23	22	22	22	22	22	22	23	22	22	22	22
CEND	HY01	9	9	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	10	10	10
CEND	HY02	8	9	9	8	8	8	8	8	8	8	8	8	9	9	9	8	10	10	10	10	10	10	10	10	9	9	9	9	9	9
CEND	HY03	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	10	10	10	10	10
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69	69	69	69	69	68	68	68	68	68
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	-1	-1	-1	-1	-1
HTRG	HY04	4																													

Daily MW Generation on Monday

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	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
KNYR	HY01	96	96	96	96	96	96	97	58	-1	-1	-1	-1	97	96	97	96	96	55	0	0	0	0	0	0
KNYR	HY03	96	98	98	98	96	97	97	97	56	56	55	56	58	100	97	98	99	99	99	100	100	100	99	98
KNYR	HY04	91	98	98	96	91	59	73	58	59	56	58	79	88	98	90	60	98	98	98	99	99	99	99	99
LPJA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	22	23
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	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
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	25	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	42	44	44	44	42	44	45	44	42	42	59	59	44	51	44	44	49	46	83	45	81	60	62	48
TMGR	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
TMGR	HY03	0	0	0	0	0	0	0	0	30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
TMGR	HY04	-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	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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		599	541	541	538	477	448	464	468	367	335	325	347	364	502	483	453	502	499	495	404	688	898	830	1322
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
SSLS	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 Monday

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																								
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	6	8	10	13	17	22	15	28	18	19	27	15	18	17	9	9	5	3	1	0	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	1	7	11	15	24	27	30	30	24	30	25	21	21	18	18	17	16	13	13	7	6	5	2	0	0	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	8	56	144	221	312	373	468	571	595	475	484	478	532	633	600	553	594	569	436	353	218	139	61	8	2	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	11	4	8	9	7	4	8	10	0	5	0	0	0	0	-1	15	2	17	5	11	12	16	10	12	12	14	8	10	12	11	20	6	2	0	12	0	0	
KHTC	BLK1	-37	-37	-24	-25	-24	-24	-24	-21	-22	-20	-19	-18	-21	-22	-24	-27	-30	-35	-36	-37	-40	-40	-23	-21	-23	-23	-25	-28	-31	-29	-34	-35	-34	-32	-29	-29	-28	-28	-25	-23	-20	-18	-19	-21	-19	-18		
PCUF	CUFG	19	19	20	20	20	19	19	20	20	20	20	20	20	19	19	18	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	18	18	18	19	18	18	20	20	20	18	20	20	21				
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	4			
Total Co-Gen		-14	-14	0	-1	0	-1	-1	0	3	2	4	16	10	11	11	7	1	1	-2	-13	-10	-17	-17	0	1	15	2	15	0	3	7	6	-3	0	2	8	1	4	8	10	21	8	8	5	15	5	7	
Total Gen		15123	14828	14530	14203	13922	13635	13432	13233	13043	12962	12935	12908	13194	13472	13359	13470	14137	15303	15978	16469	16826	17165	17426	17716	17478	17205	17348	17508	17754	17745	17634	17580	17517	17244	16785	16294	16187	16484	17238	17398	17377	17299	17149	16750	16525	16410	15960	
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	
TIE-HVDC		-31	-31	-29	-28	-31	-31	-28	-28	-31	-31	-28	-31	-28	-29	-28	32	30	30	31	31	31	31	31	31	31	31	29	31	31	0	0	-29	-29	-31	-28	-31	-30	-28	-31	-28	-29	-28	-31	-29	-29			
TIE-PLTG		10	-23	-12	5	14	0	-7	-4	16	14	-7	-2	-5	-19	-13	12	3	28	5	6	-31	-7	-7	22	5	-19	-12	-12	57	20	43	19	37	-4	30	28	13	-4	-7	-9	-3	-1	1	6	2	33	17	-6
Interconnection		-21	-53	-40	-23	-17	-30	-38	-32	-12	-16	-38	-30	-35	-50	-42	-18	-25	-1	-23	-22	1	24	23	53	36	12	19	19	87	50	74	19	37	-33	1	-2	-14	-35	-37	-39	-31	-32	-27	-23	-27	3	-12	-35
System Total		15144	14881	14570	14226	13939	13665	13470	13265	13055	12978	12973	12938	13229	13522	13401	13488	14162	15304	16001	16491	16825	17141	17403	17663	17442	17193	17006	17329	17421	17704	17671	17615	17543	17550	17243	16787	16308	16222	16521	17277	17429	17409	17326	17172	16777	16522	16422	15995
SRev ST-Coal		230	305	416	483	430	701	711	708	617	799	696	711	690	685	682	694	692	346	273	209	268	213	219	245	242	248	239	241	252	230	235	268	189	192	199	261	217	212	210	213	194	144	177	144	163	167	220	204
SRev CCGT-Gas		846	1068	1363	1611	2146	1847	1742	1773	1853	1847	1849	1884	1463	1230	1665	1758	1589	1272	757	239	261	554	462	317	327	359	299	288	428	151	192	303	298	182	307	288	706	730	623	365	327	341	312	397	625	584	816	1346
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		0	0	1	1	-1	0	0	0	-2	1	1	0	0	1	0	0	0	-1	-1	-2	-2	0	0	0	1	-1	0	0	1	0	0	-1	-1	0	0	1	-1	1	0	0	0	2	1	-1	1	0	1	-1
Syncon		890	890	890	890	890	890	890	739	890	891	891	891	740	890	890	890	890	890	890	890	651	615	615	126	313	313	651	464	151	151	151	151	151	151	151	739	739	739	375	0	0	0	0	0	275	462	374	374
Hydro		202	155	155	158	171	200	184	331	281	299	222	200	334	146	165	195	146	149	153	144	425	410	478	550	566	636	555	489	661	786	685	697	709	653	714	449	493	496	472	774	715	775	836	934	808	507	213	176
S.Reserve Total		2255	2505	2912	3230	3723	3725	3614	3638	3726	3924	3746	3773	3314	3039	3489	3624	3404	2743	2159	1592	1603	1792	1774	1238	1449	1555	1744	1481	1492	1319	1263	1418	1346	1178	1371	1738	2154	2178	1680	1352	1236	1262	1326	1474	1872	1720	1624	2099