

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	2,275 MW
Total IPP	18,489 MW
Total Co-Gen	0 MW
Total System	22,029 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,937	4.47 %
Gas	18,391	4.59 %
Total TNB	36,328	9.06 %
ST-Coal	250,595	62.48 %
ST-Gas	12	0.00 %
LSS	7,048	1.76 %
Gas	106,027	26.44 %
Total IPP	363,682	90.68 %
Co-Gen	-210	-0.05 %
Total Co-Gen	-210	-0.05 %
Total Generation	399,800	99.69 %
PLTG	-648	-0.16 %
HVDC	-609	-0.15 %
Interconnection	-1,257	-0.31 %
Net Energy	401,057	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	20,129 MW
TNB Generation	2,713 MW
IPP Generation	16,371 MW
Spinning Reserve	1,067 MW
Maximum Demand	19,151 MW
Net Energy	401,057 MWH
Load Factor	87.26 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	604
Hydro	370
Syncon	481
Thermal	151
Total	1,606

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	86
Total TNB	138
CBPS	45
EMPP	287
KLPP	70
NPRI	138
PCGP	85
PLPS	66
SKSP	16
PKLG	0
Total IPP	707
Total Gas	846

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 846

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	16412	15524	15007	14526	14189	13859	14122	13968	14391	15977	16868	17396	17392	17246	18029	18769	18962	18816	17635	17410	18701	18858	18313	17913

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 2, 2023 3:07:47 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	707	704	707	706	706	705	706	705	708	705	707	700	698	705	707	706	707	706	705	705	705	706	707	704	705	708	705	707	706	706	705	706	706	705	706	706	705	705	705	707	705	706	708	706	705	707	707			
JMAH	U002	704	703	707	700	702	706	705	704	705	704	707	707	710	706	708	704	706	704	703	702	709	703	705	707	707	704	705	706	705	704	708	700	704	706	704	707	702	705	706	703	704	708	707	702	706	707	704	699		
JMHE	U002	979	978	979	978	899	901	900	899	902	901	902	898	898	899	899	901	899	925	978	978	980	974	979	976	976	976	981	978	979	976	975	979	979	975	979	975	978	974	970	977	976	976	979	979	980	980	975	979	975	978
JMJG	U001	664	662	667	666	668	662	662	667	671	670	664	667	667	667	671	668	669	667	671	673	674	673	674	673	674	672	674	670	671	671	674	672	668	673	673	673	673	675	670	671	672	675	673	679	671	677	675	668		
JMJG	U002	678	611	523	450	414	425	421	420	415	417	420	415	417	495	552	604	595	623	680	682	678	682	664	673	672	675	672	671	681	677	673	674	675	674	678	678	678	676	671	677	677	674	673	678	677	674	675	674		
JMJG	U003	678	683	679	675	677	678	679	679	678	681	679	679	679	679	685	672	682	671	675	676	675	675	677	677	675	678	678	676	678	679	672	675	678	683	683	683	683	677	676	676	677	678	677	673	679	677	673	679		
JMJG	U004	977	972	972	972	954	904	906	906	906	908	905	906	905	904	906	904	905	919	967	977	977	977	977	977	977	983	982	981	983	983	983	980	983	985	980	983	977	977	977	974	977	976	973	972	973	973	975	974	972	
JMJG	U005	980	978	980	978	941	900	897	897	900	900	900	901	900	898	900	900	898	920	977	982	976	979	977	977	979	975	980	976	980	977	973	969	979	975	972	972	972	969	970	972	961	974	968	972	973	972	972	974		
PKLG	U003	272	274	276	273	274	273	277	274	275	275	274	275	273	273	275	275	275	277	279	278	277	277	278	276	275	275	277	275	277	277	278	275	274	272	275	276	273	277	275	277	275	274	274	274	275	275	275	275		
PKLG	U004	276	270	276	272	270	269	287	276	275	275	274	275	277	276	275	271	272	272	272	269	276	272	278	272	273	270	282	272	271	269	271	270	272	271	272	266	271	273	273	274	275	273	270	270	270	273	275	272		
PKLG	U005	466	466	464	464	462	464	470	465	468	466	466	466	467	467	470	466	466	468	463	467	464	472	466	468	468	467	466	462	467	468	466	468	466	466	466	463	464	468	467	465	470	481	464	468	466	466	467	466	467	
PKLG	U006	358	358	358	358	358	359	356	358	358	359	358	358	358	358	359	358	359	358	359	358	360	357	358	359	357	358	358	357	356	360	358	358	357	358	357	359	358	358	357	361	360	358	359	359	358	360	358	358	358	
TBIN	U001	700	699	700	697	696	699	699	695	698	699	698	700	697	697	696	698	698	696	697	693	699	697	699	702	697	698	697	696	701	698	697	695	696	696	699	698	698	698	696	701	697	696	696	692	697	700	693	701		
TBIN	U002	698	700	632	505	564	702	699	699	699	702	698	697	700	698	697	697	699	697	698	701	699	702	700	699	700	701	699	699	700	699	699	702	691	702	699	698	700	697	699	699	700	701	700	699	698	700	696	699		
TBIN	U003	693	695	695	697	696	696	694	697	695	694	696	695	697	695	694	694	695	695	696	694	695	694	695	693	695	697	694	695	694	697	696	694	695	694	695	694	693	695	694	696	695	693	693	695	695	694	693	692		
TBIN	U004	754	752	753	752	752	754	753	752	753	753	754	751	752	751	754	753	755	752	753	752	753	752	753	753	752	753	753	752	751	753	753	754	752	753	751	754	752	753	753	753	753	753	754	753	754	753	752	752		
Total ST-Coal		105841050510368101431003310097101111009310111101041010110096100951017110238102841027210362105681058810595105951057510584105921059310584105791059910591105881057510571105781057910584105801057210574105951057210585105671057310574105851056410567																																																	
Total ST-Oil		000																																																	

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
CEND	HY01	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	7	10	10	10	10	10	10	10
CEND	HY02	7	8	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	10	10	10	10	10	10	10
CEND	HY03	7	8	7	6	6	6	6	6	6	6	6	6	6	6	6	6	9	9	9	9	9	9	9	9
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	69	69	69	125	68	68	0
HTRG	HY02	69	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	68	124	124	-1	-1	-1	-1
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HTRG	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	23	23	23	23	24	24	24	24	23	24	23	23	23	23	23	23	40	40	40	37	37	37	37	37
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37
KNRG	HY03	39	39	21	21	21	21	21	21	21	21	21	21	23	23	23	23	40	40	40	38	38	38	38	38
KNYR	HY01	98	99	99	99	99	99	99	99	-1	-1	-1	-1	102	99	99	99	99	99	99	99	99	99	99	99
KNYR	HY02	59	66	61	61	61	62	61	66	60	62	63	60	59	56	72	91	75	73	69	99	60	58	60	99
KNYR	HY03	98	99	98	97	97	96	95	95	94	0	0	0	0	94	96	97	96	96	95	95	94	92	93	93
LPIA	HY01	12	12	12	12	12	13	12	12	12	12	12	13	13	12	13	13	14	14	14	14	14	14	14	14
LPIA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	14	15
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	91	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	18	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1
PGAU	HY02	153	19	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	0	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	80	20	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	31	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	30	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	25	25	25	25	25	17	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	0	0
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	85	85	85	85	85	85
TMGR	HY02	34	34	35	34	34	35	34	35	34	34	35	34	34	34	34	34	85	85	85	85	85	85	85	85
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85	85	84	85	85	85
UJLI	HY01	91	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	140	138	183	137	92	86
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	90	98	130	130	186	-1
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4	5	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	5	5	4	5	4	4	4	4
Total Hydro		868	491	421	416	416	417	417	416	440	218	221	221	281	309	237	189	406	424	409	409	410	427	433	523
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	1	2	4	6	10	18	20	21	23	24	25	22
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	14	14	12	20	24	24	26	26	29
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	18	21	24	26	28	29	31	28	28
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	9	19	22	26	30	35	33	40	40	32	41
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	17	22	27	31	33	36	32	35	27
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	16	18	21	21	12	29	28	28
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	27	26	31	35	28	42	38	44	25
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	19	22	25	27	20	20	10	26	19
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	19	27	34	25	38	32	44	41	34
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	7	21	22	48	60	68	75	73	65	92	68	79
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	6	24	28	34	39	39	39	42	38
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	13	18	21	24	27	26	30	20	30
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	16	43	34	48	99	90	97	100	100	100

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
KRLS	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
MALS	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
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	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
PKLS	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
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
STLS	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
TBLS	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
Total 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
ESTL	ESTL	5	0	5	6	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-15	-15	-16	-14	-12	-14	-12	-12	-9	-9	-7	-9	-11	-10	-12	-10	-15	-19	-24	-27	-29	-31	-29	-29
PCUF	CUFG	4	3	4	2	2	4	3	4	3	4	3	2	4	4	3	4	3	3	3	3	3	3	3	3
PCUF	CUFK	3	2	2	3	2	4	27	24	25	26	23	26	26	28	26	26	26	1	3	4	3	2	4	2
Total Co-Gen		-3	-10	-5	-3	-4	-5	18	16	16	21	17	21	21	19	17	19	-17	-12	-24	-30	-36	-39	-29	-23
Total Gen		16352	15929	15480	15161	14977	14673	14464	14246	14142	13930	13845	13890	14082	14194	13918	13904	14358	15355	15939	16494	16822	17137	17326	17503
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
TIE-HVDC		-28	-29	-30	-30	-30	-29	-29	-29	-28	-30	-28	-28	-30	-31	-29	-28	-29	-29	-29	-30	-29	-29	-30	-29
TIE-PLTG		-32	-32	-14	-9	0	-28	-33	-3	-18	-25	13	-5	-9	-32	-20	-3	-5	-4	-10	-10	-17	-23	-41	-31
Interconnection		-60	-61	-44	-39	-30	-58	-62	-31	-47	-55	-14	-34	-40	-62	-50	-32	-33	-33	-38	-39	-46	-53	-70	-61
System Total		16412	15990	15524	15200	15007	14731	14526	14277	14189	13985	13859	13924	14122	14256	13968	13936	14391	15388	15977	16533	16868	17190	17396	17564
SRev ST-Coal		153	232	229	274	433	365	350	367	350	359	360	365	365	368	494	450	367	375	169	149	142	162	153	145
SRev CCGT-Gas		885	820	1067	1158	1231	1599	1845	2042	2188	2176	2257	2211	2078	2070	2339	2389	2235	1442	1363	1201	1057	1035	955	870
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
SRev ST-Gas		26	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
SRev Co-Gen		30	30	32	28	24	28	24	24	24	18	18	14	18	22	20	24	20	42	38	64	74	82	94	68
Syncon		275	739	890	890	890	890	890	890	739	891	891	891	991	840	840	991	890	890	890	890	890	890	890	890
Hydro		373	286	180	185	185	184	184	185	312	182	179	179	244	367	314	171	155	137	152	152	151	285	128	113
S.Reserve Total		1829	2194	2485	2622	2850	3153	3380	3595	3700	3713	3792	3747	3783	3754	4094	4112	3754	2973	2699	2543	2401	2370	2316	2181