

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,514 MW
Distillate	708 MW
Total TNB	3,222 MW
Total IPP	15,290 MW
Total Co-Gen	0 MW
Total System	21,933 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,895	6.95 %
Distillate	3,982	1.16 %
Gas	54,927	15.99 %
Total TNB	82,804	24.10 %
ST-Coal	166,391	48.43 %
ST-Oil	5,487	1.60 %
LSS	3,683	1.07 %
Gas	84,149	24.49 %
Total IPP	259,710	75.58 %
Co-Gen	1,278	0.37 %
Total Co-Gen	1,278	0.37 %
Total Generation	343,792	100.05 %
PLTG	-533	-0.16 %
HVDC	721	0.21 %
Interconnection	188	0.05 %
Net Energy	343,604	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,588 MW
TNB Generation	4,729 MW
IPP Generation	11,331 MW
Spinning Reserve	1,477 MW
Maximum Demand	16,090 MW
Net Energy	343,604 MWH
Load Factor	88.98 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,575
Hydro	609
Syncon	208
Thermal	338
Total	2,730

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	24

Gas Usage

Station	(mmscfd)
GLGR	46
TJGS	188
Total TNB	234
CBPS	54
KLPP	7
NPRI	116
PGLA	109
PLPS	8
Total IPP	293
Total Gas	527
Total Gas Required	608

Alternate Fuel Usage

Station	(mmscfd)
TJGS	27
PKLG	53
Total	81

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	14939	14415	13811	13358	12953	12803	12709	12649	12310	13236	14003	14506	14342	14287	14748	15040	15230	15250	14883	14988	16016	15921	15596	15296

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, February 3, 2022 5:36:17 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5																									
JMHE	U001	949	950	952	951	881	880	881	797	796	749	750	748	752	743	751	750	754	749	748	844	901	902	903	904	952	950	949	952	949	954	949	952	950	952	947														
JMHE	U002	600	600	601	601	601	601	601	600	599	599	603	599	598	600	596	600	600	600	707	773	901	902	900	905	956	950	949	950	948	950	953	945	950	951	951	950	952	953	950	950									
JMJG	U001	667	668	664	670	669	664	662	668	666	667	669	668	667	664	659	612	545	565	632	629	672	667	667	668	666	660	669	671	667	666	667	666	665	671	674	672	671	673	667	672	674	673	673	673					
JMJG	U002	596	600	595	595	668	664	669	669	667	670	666	668	673	665	657	622	538	571	628	632	668	666	660	605	598	601	596	596	596	592	604	596	600	640	677	673	667	666	669	669	669								
JMJG	U004	858	855	854	856	854	856	859	824	810	758	758	757	756	758	755	755	758	758	758	757	803	859	858	858	858	859	859	860	861	859	858	820	757	758	758	755	757	759	758	757	831	860	860	860					
JMJG	U005	753	747	751	751	751	750	751	749	748	753	753	748	750	749	752	749	749	750	751	750	749	748	752	752	749	747	750	747	749	755	749	750	749	749	751	797	834	849	887	902	900	900	902	901	902	902	902		
PKLG	U003	257	256	252	251	255	255	254	253	253	258	255	254	255	255	259	261	257	256	253	254	252	252	253	252	255	252	248	252	253	255	259	255	253	252	253	255	254	254	253	255	254	256	253	255	253	256	258	259	
PKLG	U004	274	271	273	273	271	271	276	274	274	276	271	271	274	274	280	275	272	270	272	276	273	271	274	271	276	272	269	269	273	276	274	274	274	273	270	275	274	275	274	273	273	272	271	272	275	270	274	277	272
PKLG	U006	449	444	446	450	440	444	446	444	443	446	440	442	440	444	442	446	445	446	444	445	445	444	442	445	444	444	444	444	440	444	440	444	448	451	449	446	450	449	448	440	448	449	449	449	446	449	450		
TBIN	U001	687	687	687	685	687	688	687	689	684	686	689	686	687	683	687	672	600	651	690	687	689	690	689	689	691	689	689	690	691	689	690	690	690	690	689	691	688	689	690	690	689	691	687	689	689	690	687		
TBIN	U002	689	691	690	689	690	689	691	692	689	691	689	690	690	692	689	690	690	692	691	691	692	691	691	692	691	690	691	692	690	691	693	690	692	691	691	693	692	692	691	692	692	691	692	692	691	692	691		
Total ST-Coal		6779	6769	6765	6772	6767	6762	6777	6659	6629	6553	6543	6531	6542	6521	6531	6427	6119	6273	6579	6739	7045	7093	7087	7040	7137	7118	7114	7124	7126	7136	7133	7124	7085	7019	7037	7084	7121	7132	7179	7227	7267	7261	7275	7334	7358	7361	7369	7365	
PKLG	U002	240	240	240	240	240	236	236	236	235	237	237	237	237	237	240	240	240	239	240	240	239	239	239	239	239	240	239	239	240	240	240	240	203	203	203	203	203	203	203	203	203	203	203	203	203	219	240		
Total ST-Oil		240	240	240	240	240	236	236	236	235	237	237	237	237	237	240	240	240	239	240	240	239	239	239	239	239	240	239	239	239	240	240	240	203	203	203	203	203	203	203	203	203	203	203	203	203	219	240		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
CBPS	BLK2	354	361	362	357	358	358	362	365	349	362	361	360	359	359	362	353	361	368	362	357	361	361	293	294	330	359	357	359	359	359	362	361	357	361	365	364	361	364	362	362	362	363	359	358	360	358	355		
EMPP	BLK1	715	719	722	720	723	719	720	720	712	722	722	721	719	719	720	715	722	720	718	725	720	723	719	721	720	722	718	720	719	721	723	719	728	731	721	730	718	720	720	722	720	720	724	721	721	721	720	714	
EMPP	BLK2	374	374	374	760	767	766	768	766	769	769	767	767	769	768	770	772	769	768	765	763	760	374	749	754	760	761	759	759	756	757	761	758	756	754	752	750	758	760	762	763	764	764	764	767	766	605	319	374	
GLGR	GT01	104	67	69	68	67	69	67	67	67	68	68	68	67	68	69	67	69	67	69	68	68	70	67	68	67	67	69	67	68	68	67	68	69	85	67	66	68	66	68	67	68	68	67	68	68	67	68		
GLGR	GT02	104	66	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	67	67	68	67	67	85	67	67	68	67	68	68	68	68	68	68	68	68	68		
GLGR	ST1C	93	74	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	72	71	71	71	71	71	71	71	72	72	72	72	72	72	71	72	72	82	77	72	72	72	72	71	71	71	71	72	71	72	71	
KLPP	GT13	141	141	137	137	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KLPP	GT15	120	120	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KLPP	ST17	143	143	93	68	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
NPRI	BLK1	442	448	397	322	318	319	317	323	306	322	320	319	320	318	323	312	322	321	320	325	320	319	320	317	318	322	318	322	321	323	321	326	331	323	333	315	320	322	323	396	395	400	395	395	433	493	508		
NPRI	BLK2	441	449	397	319	318	317	316	320	304	320	317	319	319	316	320	311	320	320	317	324	320	319	319	317	318	322	317	318	320	323	322	320	325	329	322	331	317	318	321	323	396	397	399	398	394	436	509	510	
PCGP	PGRG	591	603	605	551	499	501	261	260	261	260	264	263	262	260	262	262	263	261	269	260	261	260	261	263	260	261	260	262	264	265	264	272	274	260	275	262	263	262	357	551	553	302	262	261	262	261	260		
PGLA	GT11	214	217	217	217	216	217	217	218	212	170	170	188	187	188	169	167	169	217	218	219	216	215	168	168	168	169	169	169	169	216	216	216	219	215	217	217	216	217	216	217	217	216	217	217	217	217	214		
PGLA	GT12	217	221	221	221	220	221	221	222	217	172	174	193	190	192	173	170	172	221	222	223	220	219	172	172	173	173	172	173	222	220	220	222	223	219	221	220	220	222	222	221	221	221	220	221	221	221	221		
PGLA	ST10	237	238	237	236	237	237	237	239	236	204	205	217	216	217	203	203	204	238	238	241	240																												

Daily MW Generation on Saturday

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	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
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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	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
HTRG	HY02	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
KNRG	HY01	33	33	33	33	33	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	36	36	36	36	36	36	37	37	37	37	37	37	37	38	37	37	37	36	36	36	36	36	36	36
KNRG	HY03	35	35	35	35	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	99	100	101	99	0	0	0	0	0	0	0	0	0	0	0	61	58	96	96	95	96	96	95	95
KNYR	HY02	98	100	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	62	62	59	91	98	97	74	88	73	98
KNYR	HY03	99	101	101	99	99	-1	-1	-1	-1	-1	-1	-1	-1	61	60	61	57	97	97	97	97	97	97	97
KNYR	HY04	58	72	89	60	59	81	82	90	58	61	98	61	59	59	59	68	103	99	102	85	92	96	99	77
LPJA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20
LPJA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20
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	19	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	19	19	19	19	19	19	19	19
PGAU	HY03	0	0	18	19	0	0	0	0	0	0	0	0	0	1	0	-1	1	0	0	2	22	21	21	21
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	15	15	15
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25
TMGR	HY01	85	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34	66	85	84	84	84	84	84	84
TMGR	HY02	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	36	36	36	36	86	86	86	86	86	86	86
TMGR	HY03	84	32	0	0	0	0	-1	0	0	0	0	0	0	0	0	32	81	76	67	43	71	42	83	81
TMGR	HY04	40	52	72	42	42	62	64	68	39	41	81	42	42	41	41	49	83	86	85	71	75	77	64	47
UJLI	HY01	12	-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	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
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
Total Hydro		836	754	740	596	458	400	402	304	243	249	325	238	255	236	235	234	253	484	481	613	591	1030	1045	1063
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
TJGS	GT2B	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	ST2C	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 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	2	3	4	12	15	20	18	23	11	27	13	27
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	16	20	23	25	28	29	30	31
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	14	19	23	26	29	31	32	32	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	8	14	21	26	32	36	39	26	28	34	45
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	14	17	23	14	26	27	28	30	29
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	14	21	28	34	38	42	46	42	44	21
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	16	21	25	29	30	10	29	29
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	9	15	21	28	33	38	41	44	40	42	50

Daily MW Generation on Saturday

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	
KDLS	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	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	19	25	30	34	37	41	43	45	33
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	14	19	22	23	30	30	30	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	19	27	33	32	47	47	49	51	50	51
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	15	21	27	31	34	39	40	32	40	19
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	19	25	30	34	37	40	40	43	19
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	13	17	20	23	21	14	29	14	12
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	20	13	30	30	30	30	30	30	30	30
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	31	93	178	254	341	401	443	495	487	494	515	468
PCUF	CUFG	27	27	27	28	27	27	28	28	27	28	28	29	28	27	27	26	25	26	26	26	25	26	25	24	25
PCUF	CUFK	25	28	27	26	26	28	27	25	27	29	30	26	26	29	25	26	31	29	26	29	25	23	27	29	25
Total Co-Gen		52	55	54	54	53	55	55	53	54	57	58	55	54	54	60	57	53	56	51	51	55	51	51	49	52
Total Gen		14963	14620	14453	14181	13863	13604	13386	13182	13009	12893	12780	12704	12727	12685	12658	12515	12300	12869	13254	13660	13983	14224	14435	14453	
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
TIE-HVDC		29	31	31	29	29	30	30	29	29	31	31	31	29	31	31	30	31	31	31	31	31	30	30	29	29
TIE-PLTG		-5	16	7	-18	23	-25	-2	7	27	32	-54	-23	-11	-6	-23	11	-39	-80	-13	-86	-49	-53	-101	-83	
Interconnection		24	47	38	11	52	4	28	36	56	63	-23	8	18	25	9	41	-10	-49	18	-57	-20	-23	-71	-52	
System Total		14939	14573	14415	14170	13811	13600	13358	13146	12953	12830	12803	12696	12709	12660	12649	12474	12310	12918	13236	13717	14003	14247	14506	14505	
SRev ST-Coal		308	312	322	313	391	394	381	411	439	454	470	470	464	478	477	573	677	626	532	532	428	379	388	420	313
SRev CCGT-Gas		695	949	1098	1619	1538	1507	1744	1726	1811	1861	1968	1799	1804	1809	1843	1886	1846	1721	1716	1678	1718	1638	1858	1862	
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
SRev ST-Oil		0	0	0	0	4	4	4	5	3	3	3	3	3	3	0	0	1	0	0	1	1	1	1	1	1
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
SRev 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
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
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		464	651	739	689	840	941	941	1029	941	941	941	941	790	941	941	941	941	651	652	651	651	313	464	313	
Hydro		322	217	76	270	137	94	92	61	123	117	41	128	262	130	131	132	113	172	174	317	363	366	200	333	
S.Reserve Total		1876	2216	2322	2978	2993	3027	3249	3231	3406	3463	3510	3428	3410	3448	3482	3619	3664	3257	3162	3178	3160	2697	2911	2929	