

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,038 MW
Distillate	0 MW
Total TNB	2,038 MW
Total IPP	18,038 MW
Total Co-Gen	0 MW
Total System	24,355 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,877	3.41 %
Gas	48,952	16.92 %
Total TNB	58,829	20.33 %
ST-Coal	146,157	50.51 %
LSS	3,997	1.38 %
Gas	79,648	27.53 %
Total IPP	229,802	79.42 %
Co-Gen	1,268	0.44 %
Total Co-Gen	1,268	0.44 %
Total Generation	289,899	100.19 %
PLTG	-126	-0.04 %
HVDC	686	0.24 %
Interconnection	560	0.19 %
Net Energy	289,339	100.00 %

Maximum Demand Record

Date: 5/10/2022	19,101 MW
Date: 5/10/2022	396,694 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	15,735 MW
TNB Generation	3,063 MW
IPP Generation	11,161 MW
Spinning Reserve	1,458 MW
Maximum Demand	14,243 MW
Net Energy	289,339 MWH
Load Factor	84.64 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	251
Hydro	407
Syncon	532
Thermal	725
Total	1,915

Time	Weather	Temperature
Afternoon	Cloudy	34
Morning	Cloudy	24

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	77
Total TNB	107

CBPS	50
EMPP	208
NPRI	154
PCGP	89
SPGP	210
Total IPP	712
Total Gas	818

Total Gas Required	818
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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	12780	12315	11841	11362	11068	10885	10783	10703	10404	10883	11356	11564	11586	11586	11792	11982	12194	12309	12370	12898	14210	14210	13987	13839

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, May 11, 2022 11:41:09 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	215	214	214	214	213	213	215	214	214	214	215	214	214	213	214	215	214	215	214	215	213	213	214	214	213	213	214	214	215	215	320	407	510	630	697	696	690	701	695	696	695	696						
JMHE	U001	864	834	800	750	749	750	754	747	752	750	750	751	762	753	750	750	752	801	800	799	800	800	797	800	800	798	801	800	798	799	799	799	799	799	799	803	889	889	889	898	900	899	900	899	898			
JMHE	U002	862	848	802	750	752	750	751	751	753	750	751	751	752	750	749	750	748	751	801	799	799	800	798	800	801	797	799	799	801	797	799	801	802	800	800	800	806	890	887	888	900	898	900	900	899	899		
JMJG	U001	657	653	663	657	654	651	590	520	491	404	403	405	408	409	408	408	408	409	489	570	645	668	664	664	666	666	621	501	469	483	563	648	668	667	668	671	668	671	678	673	677	678	679	667	667	665	664	
JMJG	U003	552	501	499	442	449	450	447	416	411	382	358	349	277	184	95	0	0	0	0	0	0	0	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	U004	849	792	783	783	782	783	786	785	785	788	785	786	786	787	785	787	787	785	786	787	785	787	785	785	786	788	788	785	790	798	804	804	808	804	807	808	807	838	892	894	902	903	904	902	901	902		
JMJG	U005	830	778	778	779	779	779	781	777	780	779	778	780	779	778	781	780	777	778	779	779	777	779	777	781	778	782	777	778	778	780	777	799	798	801	800	797	800	801	804	892	891	887	898	900	899	899	900	901
PKLG	U003	150	150	149	148	149	149	150	150	149	149	151	151	150	151	151	151	151	151	150	151	149	151	150	148	149	147	148	151	150	151	150	151	151	151	151	149	150	151	202	257	257	258	255	253	255	255	196	
PKLG	U004	155	157	153	150	153	152	154	153	153	154	153	152	151	153	155	154	153	154	153	152	152	154	151	153	153	153	151	152	152	152	153	151	151	152	154	152	201	250	275	276	276	273	272	274	209			
TBIN	U001	492	498	495	448	377	299	238	212	211	211	211	211	214	212	212	212	211	212	212	211	211	212	211	212	212	211	212	212	211	210	212	249	265	384	473	551	692	688	689	688	687	688	687	689	688			
TBIN	U002	505	502	502	450	379	302	235	211	212	213	211	211	211	212	213	213	212	212	211	213	211	212	212	212	212	211	211	212	212	212	251	302	302	302	302	371	452	554	690	691	692	691	691	692	690	692		
TBIN	U004	862	854	762	754	751	754	753	752	753	754	753	752	754	752	752	752	753	752	751	798	802	802	801	804	802	802	804	804	800	806	804	801	802	802	804	804	803	801	805	893	891	894	904	904	902	903	901	904
Total ST-Coal		6993	6781	6600	6325	6188	6032	5847	5696	5657	5553	5517	5513	5447	5366	5270	5173	5169	5165	5168	5398	5474	5551	5572	5573	5567	5571	5569	5525	5404	5378	5389	5535	5681	5707	5748	5756	6056	6313	6614	7495	7706	7738	7783	7794	7771	7773	7768	7649
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CBPS	BLK2	362	358	358	365	358	351	352	359	271	223	223	219	219	226	221	224	221	223	264	364	364	363	363	357	357	360	360	246	224	317	324	359	359	361	361	361	362	361	361	365	365	361	361	355	362	362	362	361
EMPP	BLK2	713	711	711	710	703	695	693	708	706	708	709	711	710	709	709	702	709	703	710	708	710	709	709	703	707	684	646	711	708	708	713	705	709	713	707	720	714	709	726	717	710	708	710	711	710	710	708	713
EMPP	BLK3	714	711	712	711	703	695	693	707	706	707	709	712	710	709	709	702	709	703	710	708	709	709	709	703	706	685	646	710	709	708	713	705	709	712	707	721	715	710	725	717	709	708	710	711	709	710	708	713
GLGR	GT02	94	94	93	93	94	93	94	93	94	94	93	94	94	93	94	93	94	93	93	93	94	93	92	93	94	93	93	94	93	95	108	107	107	107	106	108	107	107	108	108	109	109	109	109	109	94		
GLGR	ST1C	40	40	39	39	40	41	40	40	40	40	40	41	41	41	41	41	41	41	40	40	40	40	40	40	40	40	40	40	40	41	40	45	46	46	47	47	47	47	47	47	47	47	47	47	47	39		
NPRI	BLK1	520	517	515	515	508	502	503	511	509	510	516	398	397	505	503	505	425	445	516	515	515	515	515	515	515	515	516	514	516	509	516	511	515	519	518	515	515	514	512	515	515	514	515	512	515	512	521	
NPRI	BLK2	534	531	529	529	504	500	502	448	424	459	398	423	466	459	385	361	340	464	529	356	493	473	443	439	344	334	328	371	482	529	532	499	487	522	511	531	511	527	537	534	517	528	473	518	528	529	527	531
PCGP	PGRG	614	604	602	604	588	593	590	592	593	593	601	605	603	600	601	603	604	601	604	603	604	603	602	601	603	594	587	611	602	601	614	603	603	604	586	625	598	602	627	618	603	603	600	596	601	603	598	616
SPGP	BLK1	723	724	723	723	727	726	725	728	725	726	721	718	721	724	725	725	726	726	726	724	728	725	726	725	723	723	722	720	721	720	721	723	721	721	720	722	721	723	722	726	720	717	724	722	722	723	724	724
SPGP	BLK2	713	710	712	712	712	710	712	711	710	710	708	708	712	711	710	710	713	711	712	710	712	711	711	709	710	710	712	710	713	711	709	710	710	711	711	711	712	713	712	714	713	712	712	710	713	714	712	713
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TJGS	GT2B	221	221	223	223	223	223	159	159	159	159	157	159	159	158	158	158	158	158	158	222	222	222	221	221	221	123	144	178	175	212	212	212	212	212	214	214	212	213	213	213	213	213	213	213	213	184		
TJGS	ST2C	123	123	123	123	123	123	97	97	97	97	97	97	97	97	97	97	97	97	120	122	122	122	122	111	96	192	226	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	231		
Total CCGT-Gas		5371	5344	5340	5347	5283	5252	5160	5153	5034	5026	4974	4882	4929	5033	4953	4921	4837	4965	5159	5163	5312	5286	5253	5227	5130	5075	5125	5312	5386	5627	5658	5655	5646	5693	5646	5742	5681	5697	5766	5745	5689	5690	5643	5674	5700	5704	5689	5628
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BSIA	HY01	22	22	22	23	23	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10																									

Daily MW Generation on Wednesday

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																										
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	0	0	0																							
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	0	0	0																							
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	17	0	0	0																							
TMGR	HY01	86	42	58	86	41	40	40	72	65	60	79	86	86	86	83	43	42	86	86	86	87	86	83	57	42	43	43	87																						
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	86	0	-1	-1	-1																							
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	-1	-1																								
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	92	92	96	93	97	98	93	98																						
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	89	99	91	-1	-1	-1	-1																							
UPIA	HY01	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																						
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																						
Total Hydro		386	315	331	360	315	314	313	347	339	333	352	361	360	426	425	361	359	409	409	282	282	281	282	270	280	260	281	316	314	362	361	405	409	526	564	532	509	431	448	680	822	796	786	634	482	368	365	411		
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	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	1	3	5	9	12	14	13	20	21	23	26	21	18	24	15	27	20	18	13	15	14	9	4	1	0	0	0	0	0	0	0	0	0	0	0	0	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	7	12	16	19	25	27	19	21	17	20	14	12	17	10	8	7	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	9	12	16	24	24	27	31	30	29	32	31	12	26	29	17	19	8	6	3	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	7	2	4	8	22	23	22	29	26	18	37	33	34	26	31	27	21	17	11	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	7	9	15	21	22	19	11	15	19	19	18	17	11	15	12	6	5	3	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	1	3	7	12	16	18	19	28	33	31	35	34	20	25	13	22	9	23	28	28	21	12	3	1	0	0	0	0	0	0	0	0	0	0	0		
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	7	11	16	15	18	21	22	22	23	26	26	19	17	22	16	12	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	15	20	22	22	26	35	39	37	26	21	42	21	37	43	21	31	15	10	6	3	0	0	0	0	0	0	0	0	0	0	0	0		
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	9	15	21	27	36	54	66	66	79	85	89	77	92	35	67	60	91	50	53	46	22	13	6	3	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	3	5	8	12	17	21	27	26	30	39	34	40	41	42	44	27	32	25	18	18	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0		
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	9	10	18	21	22	28	29	28	23	11	9	11	17	20	17	17	14	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0		
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	10	14	21	27	21	29	28	24	30	30	29	26	17	22	20	19	11	4	3	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	2	4	9	10	24	23	28	30	33	37	17	33	18	17	11	8	4	1	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	2	6	17	27	37	47	57	57	52	47	52	99	77	66	61	56	46	35	25	10	5	10	5	5	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	2	4	10	16	20	25	27	30	27	31	36	31	38	34	35	36	15	18	16	10	7	3	1	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	1	3	3	8	11	14	14	17	25	30	34	30	29	29	23	33	14	25	10	19	13	7	1	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	1	2	4	3	4	5	13	19	18	28	20	24	14	13	15	13	9	9	8	6	5	3	1	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	1	3	6	9	12	16	17	14	17	30	25	19	21	18	19	27	17	9	8	8	6	6	2	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	3	13	46	104	161	220	282	379	457	481	566	581	596	560	589	482	503	445	448	346	311	224	128	55	17	3	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	26	26	25	26	27	27	26	27	28	27	27	28	28	29	28	28	28	27	27	26	26	27	27	28	25	26	26	26	25	26	26	25	26	26	27	27	27	27	27	26	27	26	26	26	26	26	26			
PCUF	CUFK	27	27	26	25	26	26	25	27	26	25	25	26	26	26	26	26	26	26	26	25	26	27	27	27	25	26	26	26	26	26	25	25	26	25	25	27	27	26	25	26	27	28	28	26	25	27				
Total Co-Gen		53	53	51	51	53	53	51	54	54	52	52	54	54	54	53	55	55	54	54	53	53	51	55	54	54	53	51	51	51	53	52	52	51	52	52	51	54	54	53	52	53	53	55	54	52	51	53			
Total Gen		12803	12493	12322	12083	11839	11651	11371	11250	11084	10964	10895	10810	10790	10879	10705	10521	10466	10698	10951	11117	11403	11550	11615	11606	11597	11541	11624	11764	11744	11900	11964	12092	12236	12323	12321	12306	12425	12550	12899	13976	14269	14277	14265	14157	14007	13897	13873	13741		
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	0	0	
TIE-HVDC		29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29		
TIE-PLTG		-6	-14	-21	11	-31	7	-20	-34	-13	-23	-19	-61	-22	-29	-27	51	33	27	39	11	19	6	22	-5	-18	-7	10	-61	-77	-24	-47	8	13	4	-17	-47	27	32	-28	20	30	5	26	-4	19	19	5	-17		
Interconnection		23	15	7	39	-2	36	9	-5	16	5	-10	-32	7	0	2	80	62	55	68	40	47	34	51	24	11	22	38	-32	-48	4	-18	37	42	32	12	-18	55	61	1	48	59	34	55	24	20	47	34	11		
System Total		12780	12478	12315	12044	11841	11615	11362	11255	11068	10959	10885	10842	10783	10879	10703	10441	10404	10643	10883	11077	11356	11516	11564	11582	11586	11519	11586	11796	11792	11896	11982	12055	12194	12291	12309	12324	12370	12489	12898	13928	14210	14243	14210	14133	13987	13850	13839	13730		

Daily MW Generation on Wednesday

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	
Hydro		396	417	401	372	417	418	419	385	393	399	380	371	372	432	433	497	499	449	449	325	325	326	325	337	327	347	376	341	343	295	296	327	323	393	542	387	410	301	309	476	547	573	583	523	487	426	429	383
S.Reserve Total		1987	2096	2086	2013	2094	2130	2251	2260	2390	2383	2467	2558	2583	2305	2479	2471	2554	2377	2184	2179	2030	2034	2034	2083	2171	2468	2574	2402	2331	2037	2005	2046	2023	1841	1846	1781	1861	1928	1867	1504	1458	1458	1512	1498	1648	1580	1600	1652