

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,034 MW
Distillate	0 MW
Total TNB	2,034 MW
Total IPP	18,285 MW
Total Co-Gen	0 MW
Total System	24,321 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,866	3.33 %
Gas	56,274	14.56 %
Total TNB	69,140	17.89 %
ST-Coal	228,496	59.14 %
LSS	6,968	1.80 %
Gas	81,727	21.15 %
Total IPP	317,191	82.09 %
Co-Gen	-101	-0.03 %
Total Co-Gen	-101	-0.03 %
Total Generation	386,230	99.96 %
PLTG	-145	-0.04 %
Interconnection	-145	-0.04 %
Net Energy	386,375	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	19,642 MW
TNB Generation	3,946 MW
IPP Generation	14,482 MW
Spinning Reserve	1,224 MW
Maximum Demand	18,400 MW
Net Energy	386,375 MWH
Load Factor	87.49 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	773
Hydro	513
Syncon	598
Thermal	128
Total	2,012

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	167
Total TNB	196
CBPS	43
EMPP	265
NPRI	137
PCGP	79
SKSP	2
SPGP	182
Total IPP	709
Total Gas	905
Total Gas Required	905

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	15922	15041	14449	14061	13591	13442	13694	13598	14049	15701	16552	17164	17133	16895	17716	18178	18340	17990	16738	16602	17695	17725	17080	16629

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, July 6, 2023 9:47:47 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	705	706	706	704	706	709	693	699	708	700	707	705	707	704	706	705	705	705	704	705	706	707	704	708	706	706	702	699																					
JMAH	U002	707	707	705	706	706	704	706	702	707	702	705	707	705	705	702	702	703	704	701	703	705	702	714	703	704	704	708	705	710	706	705	708	701	710	705	704													
JMHE	U001	972	972	972	969	969	898	901	902	887	850	852	848	851	850	853	850	850	925	948	937	972	974	978	975	973	976	978	975	976	973	979	976	975	977	974	972	974	976											
JMHE	U002	500	500	498	500	500	500	498	498	499	501	499	501	502	498	501	498	500	500	499	500	499	501	498	500	499	500	502	496	500	504	500	499	502	498	497	498	498												
JMJG	U002	682	683	683	678	679	679	678	682	678	682	679	678	678	679	684	679	680	682	678	679	679	679	678	678	679	678	678	676	678	679	680	680	679	682	680	679	680	683											
JMJG	U003	680	678	685	673	677	683	684	682	672	687	671	682	679	674	679	684	683	677	676	680	677	679	679	684	673	676	680	678	679	683	680	679	680	681	678	681	675	673	679	683	601	535							
JMJG	U004	976	978	977	977	973	915	902	901	905	850	850	852	854	854	854	853	852	872	913	968	976	977	979	978	979	975	972	978	978	976	977	975	977	978	976	975	977	978	976	976	977	977							
JMJG	U005	982	983	978	985	959	901	901	899	898	849	850	852	851	848	851	854	854	901	983	982	983	979	983	983	979	983	980	980	982	983	985	981	979	983	982	985	980	980	982	980	981	982	982	979	983	977			
PKLG	U003	276	276	276	275	260	170	161	151	149	151	150	151	152	151	152	151	178	270	280	275	276	279	279	277	276	277	278	277	277	276	275	274	276	276	275	275	276	275	274	275	276	276	275	275					
PKLG	U005	470	468	467	464	425	334	267	267	269	267	269	268	269	268	269	268	297	381	468	466	466	469	468	466	464	467	466	468	464	459	468	474	466	468	466	464	466	471	464	468	470	466	466	464	464				
PKLG	U006	447	447	449	450	448	446	447	449	447	421	444	442	450	445	447	450	450	448	447	449	449	445	446	449	451	445	447	447	449	449	447	445	447	450	451	450	448	448	449	449	450	449	447	449	451	450	446		
TBIN	U001	699	698	700	696	696	697	697	599	600	601	602	551	549	550	583	602	681	701	699	702	696	700	701	700	698	699	698	701	699	699	698	701	700	699	700	699	697	699	701	699	700	702	699	697	699	702	702	699	
TBIN	U003	695	695	696	696	693	698	694	695	672	600	601	549	549	549	597	601	669	697	697	697	697	698	697	697	698	696	697	697	696	697	699	694	698	696	697	696	697	698	697	696	697	698	697	696	697	699	697		
TBIN	U004	982	981	983	982	972	903	902	902	902	854	853	857	850	854	853	853	854	905	979	983	980	981	981	981	980	976	982	980	979	978	980	981	981	980	980	980	980	980	979	980	979	981	980	979	978	981	981	984	982
Total ST-Coal		9773	9772	9775	9755	9663	9237	9131	9028	8993	8715	8732	8643	8646	8629	8732	8751	8956	9369	9677	9722	9760	9776	9783	9783	9756	9767	9762	9771	9763	9761	9767	9777	9756	9766	9781	9779	9755	9768	9769	9764	9779	9782	9758	9770	9767	9772	9697	9612	
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	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	0	0	
CBPS	BLK2	221	221	220	220	221	221	221	220	221	222	222	222	221	221	221	222	221	221	220	221	221	221	221	221	221	243	293	360	360	358	361	360	361	359	298	221	221	249	360	361	360	361	360	348	332	220			
EMPP	BLK1	690	571	472	443	404	442	417	407	390	406	402	429	501	546	430	434	465	410	411	511	523	410	412	552	434	412	406	646	626	626	661	710	710	710	693	686	680	707	657	710	701	710	710	703	677	693	701	710	
EMPP	BLK2	689	572	479	446	402	441	431	407	390	408	403	428	493	551	435	434	468	410	411	509	529	707	711	710	701	698	688	709	690	690	708	711	709	710	692	686	679	706	702	710	699	709	710	706	679	693	703	711	
EMPP	BLK3	689	573	481	445	403	441	428	409	390	406	403	429	494	551	439	432	466	414	410	514	709	709	712	710	701	697	688	708	690	690	708	710	710	710	692	688	681	702	702	710	699	710	710	704	679	694	704	711	
GLGR	GT02	94	94	94	93	94	93	94	94	94	94	94	94	94	94	94	94	94	94	93	93	94	93	94	94	93	94	93	94	94	94	94	94	94	94	94	94	94	94	94	93	93	93	93	93	93	93			
GLGR	ST1C	41	42	42	42	42	42	42	42	42	41	41	42	42	41	41	42	42	41	42	41	41	41	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
NPRI	BLK1	355	333	333	331	322	331	332	324	313	329	320	333	334	334	332	333	332	334	333	331	332	352	526	524	514	398	323	519	506	514	521	518	517	519	516	505	498	392	519	523	521	526	526	523	511	521	520	445	
NPRI	BLK2	319	329	328	326	316	326	327	317	308	326	314	327	328	328	326	328	328	326	328	326	328	511	524	524	523	520	517	526	518	520	523	521	522	523	519	518	512	323	520	524	521	524	525	521	510	522	521	428	
PCGP	PGRG	391	401	402	400	382	402	401	384	367	396	382	402	403	404	399	402	401	501	602	602	601	601	601	604	595	597	589	601	590	591	598	600	601	601	590	588	575	595	591	600	598	602	602	597	571	596	591	603	
SKSP	BLK1	226	218	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	437	437	439	439	438	440	438	438	439	440	439	440	439	438	438	438	438	709	715	714	709	705	705	699	699	699	701	698	696	719	693	691	689	693	715	716	719	717	716	716	722	719	719	720	722	719	721	720	
SPGP	BLK2	401	401	404	401	403	403	402	404	406	405	406	405	406	406	406	406	404	720	720	721	721	719	715	716	708	713	703	713	704	703	708	709	706	711	710	707	706	713	710	723	714	715	717	712	700	714	712	714	
TJGS	GT1A	126	128	127	126	123	126	126	127	116	126	124	128	127	128	127	127	128	127	127	126	126	126	126	126	126	124	125	212	225	224	224	222	225	224	182	120	126	125	214	227	225	225	226	216	225	121	125		
TJGS	GT1B	115	115	116	116	115	114	114	114	103	114	113	116	116	115	115	117	115	120	113	114	115	110	119	114	114	114	109	113	199	211	210	211	210	212	211	166	111	113	115	202	212	211	212	211	206	212	110	112	
TJGS	ST1C	163	164	164	164	162	163	163	162	154	164	162	162	163	162	163	163	163	164	164	164	164	165	165	165	165	165	165	202	249	250	250	250	250	250	235	167	166	166	213	248	248	249	248	244	248	174	165		
TJGS	GT2A	131	131																																															

Daily MW Generation on Wednesday

[illegible]

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																								
KHTC	BLK1	-22	-20	-19	-18	-19	-20	-20	-17	-16	-15	-13	-12	-15	-14	-16	-23	-21	-26	-30	-31	-34	-38	-36	-36	-39	-39	-43	-46	-46	-50	-51	-46	-49	-47	-42	-38	-26	-22	-20	-20	-21	-19	-20	-16	-18	-18		
PCUF	CUFG	2	2	2	2	3	2	2	2	3	2	3	3	1	1	3	3	4	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3	2	3	4	2	2	2	4	3	2	2	2	4			
PCUF	CUFK	3	2	3	2	2	1	3	1	3	2	2	2	3	1	0	3	4	4	3	3	1	1	3	3	2	2	3	3	25	26	28	25	25	25	26	26	25	26	27	27	26	26	26	24	26	24	7	
PFTZ	PFTZ	8	8	7	7	8	7	7	7	8	7	8	8	8	8	8	8	7	8	8	8	8	8	8	8	7	7	7	7	7	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
Total Co-Gen		-10	-8	-7	-7	-6	-8	-2	2	2	3	4	6	10	6	2	3	2	-1	-4	-5	-10	-18	-23	-25	-23	-24	-28	-25	-25	-11	-5	-11	-16	-10	-15	-5	-7	-3	11	2	16	15	16	11	13	12	7	0
Total Gen		15925	15474	15028	14767	14453	14216	14060	13837	13582	13480	13439	13471	13688	13846	13587	13560	14027	15090	15666	16130	16520	16814	17155	17253	17110	16969	16915	17388	17721	18121	18198	18328	18353	18418	18013	17248	16737	16376	16579	17181	17686	17801	17706	17427	17114	16966	16602	16270
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		3	-11	-13	-6	4	-1	-1	-15	-9	-4	-3	10	-6	22	-11	9	-22	-10	-35	-26	-32	-24	-9	-20	-23	-9	20	-1	5	2	20	20	13	18	23	4	-1	-33	-23	-35	-9	-16	-19	4	34	1	-27	-49
Interconnection		3	-11	-13	-6	4	-1	-1	-15	-9	-4	-3	10	-6	22	-11	9	-22	-10	-35	-26	-32	-24	-9	-20	-23	-9	20	-1	5	2	20	20	13	18	23	4	-1	-33	-23	-35	-9	-16	-19	4	34	1	-27	-49
System Total		15922	15485	15041	14773	14449	14217	14061	13852	13591	13484	13442	13461	13694	13824	13598	13551	14049	15100	15701	16156	16552	16838	17164	17273	17133	16978	16895	17389	17716	18119	18178	18308	18340	18400	17990	17244	16738	16409	16602	17216	17695	17817	17725	17423	17080	16965	16629	16319
SRev ST-Coal		117	118	115	135	227	475	499	559	580	650	636	627	620	633	620	622	531	438	213	168	130	114	107	107	134	123	128	119	127	129	123	113	134	124	124	111	135	122	121	126	111	108	132	120	123	118	163	148
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		
SRev CCGT-Gas		2226	2585	2963	2842	3006	2847	2897	2983	3099	2955	3007	2876	2672	2512	2865	2861	2767	2242	2175	1883	1655	1399	1200	1068	1231	1375	1500	967	743	473	339	291	298	281	330	700	987	1252	988	474	281	208	204	236	394	514	790	1034
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 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	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		1	0	0	0	0	-1	0	0	0	0	0	0	-1	1	0	0	0	1	0	0	-1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	-1	0	0	0	0	0	1	0	0	-1	0	1	
Syncon		525	764	613	764	764	764	764	764	764	764	764	764	764	613	613	613	764	764	764	764	764	764	764	764	764	764	613	577	426	577	577	390	302	302	764	764	852	852	665	338	489	525	764	764	764	764	764	
Hydro		573	379	515	376	435	376	382	420	524	493	500	412	406	538	543	571	364	372	343	342	355	341	337	337	345	349	365	448	480	669	527	405	487	517	756	538	487	365	376	413	669	443	483	434	438	358	366	362
S.Reserve Total		3442	3846	4293	4204	4519	4548	4629	4813	5054	4949	4994	4766	4548	4384	4728	4754	4513	3904	3582	3243	2992	2705	2495	2363	2561	2698	2844	2235	2014	1784	1653	1473	1396	1224	1512	2112	2373	2591	2337	1678	1399	1248	1345	1554	1719	1753	2083	2309