

Daily System Generation Summary on Sunday

Sunday, August 13, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,137 MW
Distillate	0 MW
Total TNB	2,137 MW
Total IPP	17,905 MW
Total Co-Gen	0 MW
Total System	24,044 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,811	4.71 %
Gas	52,548	15.66 %
Total TNB	68,359	20.38 %
ST-Coal	187,287	55.82 %
LSS	5,260	1.57 %
Gas	72,942	21.74 %
Total IPP	265,489	79.13 %
Co-Gen	1,006	0.30 %
Total Co-Gen	1,006	0.30 %
Total Generation	334,854	99.81 %
PLTG	62	0.02 %
EGAT	5	0.00 %
HVDC	-705	-0.21 %
Interconnection	-638	-0.19 %
Net Energy	335,492	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:	21:00:00 Hour
Total Set On Bus	17,763 MW
TNB Generation	3,578 MW
IPP Generation	12,575 MW
Spinning Reserve	1,580 MW
Maximum Demand	16,218 MW
Net Energy	335,492 MWH
Load Factor	86.19 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	317
Hydro	352
Syncon	629
Thermal	743
Total	2,041

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	92
Total TNB	140
EMPP	208
NPRI	161
PCGP	88
SPGP	209
Total IPP	666
Total Gas	806
Total Gas Required	806

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Time	Weather	Temperature
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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	15369	14819	14182	13709	13314	12973	12813	12664	11833	12164	12723	13154	13370	13490	13885	14097	14146	14178	14006	14547	16055	16218	15916	15685

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 24, 2023 8:23:47 AM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	480	475	505	505	429	403	407	352	284	212	215	215	214	214	214	215	216	217	215	218	216	217	217	217	218	217	217	217	214	217	218	252	338	513	505	507	555	555	505	404	404	353							
JMAH	U002	479	482	503	503	412	404	405	352	213	214	215	215	214	215	214	215	214	213	214	215	214	213	213	214	215	214	214	214	214	214	215	271	353	518	503	502	556	554	505	407	404	355							
JMHE	U001	976	781	676	538	498	499	500	498	500	499	501	500	499	548	597	598	551	550	551	634	696	786	804	802	799	799	801	799	800	839	901	900	902	899	899	901	900	902	905	975	980	983	980	982	983	977			
JMHE	U002	975	731	602	501	501	499	501	500	503	503	500	502	499	565	599	601	550	551	549	654	698	807	800	804	799	802	801	799	798	883	899	899	900	897	900	899	901	899	901	979	980	981	979	981	980	977			
JMJG	U001	669	669	668	668	668	676	670	675	673	673	671	671	671	624	540	511	516	516	516	516	511	511	511	543	662	673	673	673	676	678	678	678	684	684	674	678	679	681	681	682	682	675	678	675					
JMJG	U002	673	673	672	672	672	662	672	671	671	671	670	670	670	633	532	502	508	508	508	508	508	508	508	545	660	676	676	676	676	678	670	670	671	671	671	671	677	678	673	673	674	677	677	673	673	674			
JMJG	U003	673	673	673	673	673	668	675	657	588	588	598	598	598	598	599	535	520	524	524	524	524	531	531	531	607	681	668	668	668	668	675	668	668	672	672	672	672	672	680	673	671	671	672	672	669	669	609	648	667
JMJG	U004	979	979	979	979	979	939	903	903	907	907	906	906	906	904	906	901	903	903	903	903	903	905	905	905	903	904	905	905	905	905	907	908	909	904	906	908	906	906	911	941	983	979	977	983	976	986	981	983	
PKLG	U004	149	149	150	149	150	150	150	149	150	152	150	149	148	149	150	149	149	149	149	149	151	149	148	149	151	150	152	146	147	149	149	151	149	148	147	148	151	147	147	149	149	150	143	150	140	149	147	148	
PKLG	U005	246	245	255	255	245	253	245	245	245	245	245	245	245	245	248	250	257	256	254	254	245	245	245	245	245	245	245	245	245	247	254	250	256	253	251	246	245	245	245	245	245	245	245	245	245	271			
TBIN	U001	592	549	549	552	549	550	585	547	649	650	600	550	550	527	479	397	399	400	400	400	400	400	399	401	399	400	400	400	399	399	452	450	501	500	500	500	541	597	683	689	690	690	689	691	690	693	690		
TBIN	U002	596	551	551	551	550	551	576	649	651	601	550	550	532	479	401	400	399	401	401	401	400	401	402	402	399	401	401	400	402	400	401	449	452	499	500	500	500	550	602	659	691	690	686	686	687	688	688	687	
TBIN	U003	594	552	551	550	551	551	573	649	651	601	548	551	532	474	404	401	401	401	401	401	403	402	400	400	401	400	400	400	400	400	453	452	450	544	550	498	551	604	661	688	687	689	694	688	685	686	690		
TBIN	U004	982	983	982	980	936	903	905	854	853	854	833	804	802	804	802	799	803	802	802	803	803	803	803	804	802	803	803	802	843	905	903	905	903	902	903	902	902	903	965	983	982	983	982	983	979	985	981		
Total ST-Coal		9063	8492	8316	8076	7813	7708	7769	7803	7539	7320	7152	7126	7059	7016	6786	6535	6359	6385	6388	6582	6683	6884	6886	6897	7023	7339	7349	7347	7350	7511	7667	7805	7812	7906	7998	8026	7969	8215	8543	9311	9422	9415	9519	9523	9416	9153	9195	9128	
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			
EMPP	BLK1	704	709	766	764	712	710	711	701	706	709	711	710	704	712	709	691	691	710	711	709	709	709	711	722	716	703	696	710	709	715	710	695	711	711	709	699	711	712	716	696	701	712	711	702	704	715	711	698	
EMPP	BLK2	704	709	753	754	711	710	711	701	706	711	711	711	704	709	709	691	691	709	710	709	709	709	711	722	716	702	695	710	709	715	709	695	712	711	709	699	711	712	715	696	700	709	710	702	704	714	711	699	
GLGR	GT01	66	67	67	66	68	66	67	107	106	108	107	108	108	107	106	102	71	67	66	65	67	67	67	67	65	64	64	65	66	65	65	65	65	65	66	65	67	66	65	67	66	64	67	66	67	67	66	66	
GLGR	GT02	66	66	66	66	66	66	66	109	107	107	107	107	107	107	107	101	69	66	65	67	66	66	65	66	65	66	66	66	65	65	66	66	66	66	66	66	66	66	67	66	67	66	67	67	67	67	67	67	
GLGR	ST1C	70	70	71	70	71	71	70	95	96	96	96	96	96	96	96	94	80	71	71	70	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70		
NPRI	BLK1	501	511	512	511	514	511	513	500	505	510	511	502	511	512	492	493	505	511	511	512	510	511	518	518	501	493	511	511	515	504	496	515	515	505	496	511	511	511	495	500	508	510	499	502	512	511	499		
NPRI	BLK2	510	521	523	522	526	521	521	509	514	521	521	520	512	522	520	500	502	514	521	520	522	520	521	532	528	511	505	520	522	527	514	507	525	523	515	506	520	520	524	506	511	519	521	509	511	521	522	508	
PCGP	PGRG	586	601	607	605	612	600	602	578	591	603	598	605	587	603	602	566	567	593	602	602	603	603	605	626	616	581	573	603	608	612	592	570	607	610	589	573	601	602	609	570	579	600	604	579	582	607	601	579	
SPGP	BLK1	715	714	711	713	714	714	712	712	713	714	714	715	716	714	716	715	715	711	710	706	704	705	702	699	705	702	698	698	705	723	704	705	705	703	706	704	705	705	706	706	708	707	707	707	708	708	710	712	
SPGP	BLK2	710	721	721	725	723	725	723	707	715	725	719	724	713	727	726	706	705	719	720	722	720	721	719	719	722	704	696	717	720	719	719	720	719	718	720	719	718	718	719	720	719	720	719	718	720	719			
TJGS	GT1A	220	223	222	221	224	222	63	93	114	113	114	114	114	114	114	114	114	114	115	114	115	114	115	114	115	114	115	114	114	114	114	114	115	114	113	114	113	112	205	212	217	217	217	217	217	215			
TJGS	GT1B	213	216	211	214	214	213	56	92	110	113	111	112	113	112	112	112	112	113	111	112	112	113	113	112	111	114	112	114	114	111	112	110	112	114	112	112	114	112	204	216	214	215	217	213	216	217	215		
TJGS	ST1C	248	250	249	249	250	249	134	119	148	152	153	153	153	153	153	153	153	154	154	154	154	153	153	152	153	153	153	153	154	154	155	155	155	155	155	155	155	155	159	196	253	251	251	251	252	252	252	251	
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	27	28	28	28	28	42	42	43	43	63	162	228	221	221	221	221	221	222	221	
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	0	0	0	0	0	0	0	0	0	0	15	19	19	54	83	117	116	116	114</						

Daily MW Generation on Sunday

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
KNYR	HY04	97	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	97	98	98	98	98	98
LPIA	HY01	15	15	15	15	15	15	15	8	8	8	8	8	8	8	8	8	8	8	21	21	20	20	22	22
LPIA	HY02	11	11	11	11	11	11	11	8	8	8	8	8	8	8	8	8	8	8	0	0	0	0	0	0
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	19	21	21	21	21	22	109	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1
PGAU	HY02	20	21	21	21	21	22	81	20	21	21	22	21	20	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	20	22	21	22	22	143	79	20	22	22	22	20	22	22	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	51
SIHY	HY02	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50
SIHY	HY03	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50
SYPS	HY01	23	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	15	16	16	16	16	17	24	23
SYPS	HY03	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	25	25
SYPS	HY04	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	25	25
TMGR	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
TMGR	HY02	32	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	39	52	58	78	74	51	41	38	40	42	41	40	41	42	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	40	51	58	75	75	50	42	38	41	41	43	39	41	38	38	41	42	42	63	43	52	84	84	84
UJLI	HY01	84	184	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	3	3	3	3	3	4	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	HY02	4	4	4	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro		918	1131	924	867	864	832	893	611	559	568	561	602	554	576	599	381	386	389	403	452	491	454	460	496
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
STLS	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
TBLS	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
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

Daily MW Generation on Sunday

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																								
ESTL	ESTL	18	18	16	16	10	19	22	20	23	24	24	24	18	19	18	24	13	16	18	17	19	9	20	7	8	12	5	15	18	16	18	22	2	12	8	19	2	3	16	3	2	10	10	12	24	19	10	17
KHTC	BLK1	-24	-24	-21	-20	-20	-18	-17	-18	-17	-15	-13	-13	-16	-14	-14	-11	-14	-16	-15	-19	-24	-26	-23	-26	-31	-29	-30	-35	-34	-33	-30	-32	-35	-34	-33	-32	-33	-30	-30	-29	-27	-27	-28	-22	-22	-21	-18	-17
PCUF	CUFG	27	28	27	27	27	28	27	27	28	28	27	26	28	28	23	27	27	28	28	28	27	27	27	25	26	25	25	24	23	23	23	23	22	23	22	22	22	22	22	21	22	22	22	22	23	22	23	
PCUF	CUFK	21	20	20	21	21	22	22	22	23	20	22	21	21	23	23	22	22	22	21	21	21	22	21	22	21	22	21	22	21	23	23	23	23	22	22	22	22	22	22	23	23	23	22	22	22	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	4		
Total Co-Gen		46	46	46	48	42	55	58	55	61	61	64	62	55	60	58	66	53	54	56	50	47	36	47	33	27	32	25	28	33	31	38	39	16	26	23	35	17	21	35	22	24	30	30	38	49	47	40	48
Total Gen		15340	15047	14765	14471	14124	13973	13671	13492	13290	13131	12950	12976	12797	12839	12625	12025	11825	12024	12134	12456	12722	12932	13141	13213	13365	13419	13503	13748	13863	13952	14066	14029	14111	14189	14178	14003	13954	14067	14519	15518	16038	16096	16183	16075	15884	15748	15644	15443
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		-29	-29	-28	-28	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-31	-31	-29	-29	-29	-30	-30	-30	-30	-30	-30	-30	-30	-30	-31	-31	-28	-28	-30	-28	-30	-30	-29	-29	-30	-30	-29	-29	-28	-31	-29	-30	-28	-30
TIE-PLTG		0	-8	-26	-11	-30	13	-9	7	5	-4	7	-11	13	4	-10	16	22	6	-1	20	28	-20	17	-28	25	6	42	15	9	9	-3	-6	-5	23	30	8	-24	-15	1	27	12	-1	-7	4	-4	-12	-12	0
Interconnection		-29	-36	-54	-39	-58	-15	-38	-22	-24	-33	-23	-40	-16	-25	-39	-13	-8	-24	-30	-8	-1	-49	-13	-58	-5	-23	13	-15	-22	-22	-31	-34	-35	-5	0	-22	-52	-44	-28	-3	-17	-30	-35	-26	-32	-42	-41	-30
System Total		15369	15083	14819	14510	14182	13988	13709	13514	13314	13164	12973	13016	12813	12864	12664	12038	11833	12048	12164	12464	12723	12981	13154	13271	13370	13442	13490	13763	13885	13974	14097	14063	14146	14194	14178	14025	14006	14111	14547	15521	16055	16126	16218	16101	15916	15790	15685	15473
SRev ST-Coal		577	732	732	734	778	857	873	810	814	873	869	870	871	869	949	1024	1027	1025	1024	1026	1023	1025	1024	955	877	871	882	880	879	862	879	871	877	869	864	866	861	852	513	381	378	381	374	384	436	399	393	
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 CCGT-Gas		306	241	163	162	234	241	339	244	179	128	137	124	181	123	128	273	348	264	245	249	247	248	246	219	229	327	371	260	243	224	471	536	427	429	452	762	541	539	461	530	316	279	267	334	323	254	262	338
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 Co-Gen		1	0	0	1	0	0	-1	-1	0	0	0	-1	0	1	0	0	0	0	0	0	0	1	0	0	-2	-1	0	0	1	0	1	0	0	0	0	-1	-1	1	3	0	0	-1	0	0	0	0	0	0
Syncon		275	88	275	462	462	462	462	613	613	613	613	613	613	613	525	676	764	764	764	764	613	764	764	676	764	764	764	613	613	764	764	764	764	613	764	764	764	764	426	577	390	390	275	462	588	588		
Hydro		861	787	720	590	593	400	332	614	515	506	513	472	520	498	449	279	273	270	256	207	319	205	286	164	93	177	210	316	288	117	194	203	147	287	196	199	150	193	152	268	412	239	455	383	567	482	487	503
S.Reserve Total		2020	1848	1977	2036	2154	2047	2099	2223	2215	2214	2226	2172	2279	2198	2232	2433	2506	2410	2377	2331	2292	2328	2321	2257	2126	2231	2303	2158	2112	2071	2379	2469	2296	2293	2368	2675	2407	2445	2319	2162	1622	1559	1580	1568	1636	1721	1823	1909