

Daily System Generation Summary on Sunday

Sunday, August 27, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,201 MW
Distillate	0 MW
Total TNB	2,201 MW
Total IPP	18,747 MW
Total Co-Gen	0 MW
Total System	24,230 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,068	4.27 %
Gas	27,738	8.42 %
Total TNB	41,806	12.69 %
ST-Coal	183,224	55.61 %
LSS	7,215	2.19 %
Gas	95,770	29.07 %
Total IPP	286,209	86.86 %
Co-Gen	689	0.21 %
Total Co-Gen	689	0.21 %
Total Generation	328,704	99.76 %
PLTG	-95	-0.03 %
HVDC	-702	-0.21 %
Interconnection	-797	-0.24 %
Net Energy	329,501	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:	20:00:00 Hour
Total Set On Bus	17,245 MW
TNB Generation	2,170 MW
IPP Generation	13,736 MW
Spinning Reserve	1,322 MW
Maximum Demand	15,936 MW
Net Energy	329,501 MWH
Load Factor	86.15 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	485
Hydro	357
Syncon	648
Thermal	636
Total	2,126

Time	Weather	Temperature
Afternoon	Cloudy	31
Morning	Cloudy	24

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	51
Total TNB	81
CBPS	54
EMPP	295
NPRI	163
PCGP	89
SPGP	105
Total IPP	706
Total Gas	787
Total Gas Required	787

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	14678	14104	13540	13046	12682	12442	12458	12231	11789	12023	12612	13010	13190	13351	13803	14136	14336	14215	14090	14530	15936	15931	15764	15414

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 29, 2023 3:34:09 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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										
JMAH	U001	303	305	210	215	214	214	214	213	214	214	215	213	215	214	213	215	214	213	215	215	214	238	312	392	623	696	696	697	694	605	606	605		
JMAH	U002	213	215	213	213	214	213	213	213	214	214	214	213	213	213	214	213	214	214	211	212	213	212	212	214	213	213	213	213	212	214	214	211		
JMHE	U001	896	745	686	594	499	501	500	501	500	502	502	498	501	503	504	499	500	499	502	498	501	600	627	699	734	856	849	850	849	904	901	898	899	
JMHE	U002	898	798	801	799	797	800	798	801	799	802	799	801	801	802	801	799	800	801	801	799	801	800	802	799	799	855	851	850	850	899	900	902	899	
JMJG	U001	671	682	665	663	663	660	668	684	678	663	671	681	678	672	671	609	549	563	581	645	587	590	612	618	689	678	677	678	678	684	673	679	684	
JMJG	U002	675	671	674	678	677	677	671	677	674	677	671	675	673	677	679	625	557	561	579	604	554	479	414	422	420	421	421	421	421	421	419	422	420	422
JMJG	U003	673	675	674	673	672	672	676	664	671	678	672	672	671	668	675	602	564	561	559	593	612	601	605	598	599	596	599	597	596	595	596	600	660	669
JMJG	U004	957	952	919	904	894	854	854	823	806	807	808	804	808	809	808	810	810	804	805	804	807	807	807	808	808	822	856	854	861	870	905	904	903	905
PKLG	U003	150	149	149	149	148	148	149	148	149	150	149	148	149	150	148	151	150	148	163	233	279	277	280	275	273	276	275	277	275	276	277	276	275	275
PKLG	U004	149	150	147	149	149	147	150	144	148	150	150	151	149	150	149	150	149	151	236	275	275	277	273	270	277	278	279	273	274	275	274	275	279	274
PKLG	U005	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	424	441	441	436	471	471	471	471	471	471	471	471	471	471	471
TBIN	U001	691	690	690	581	551	448	402	370	351	284	214	210	210	211	210	211	209	211	210	211	212	210	213	212	211	208	210	211	211	251	300	356	351	
TBIN	U002	688	688	688	580	551	446	401	399	353	300	281	214	213	215	213	211	212	213	212	213	212	212	212	212	262	299	358	352	300	330	364	506	612	
TBIN	U003	690	687	685	586	546	446	399	418	348	301	301	301	301	300	254	208	209	211	210	210	210	211	210	210	210	210	210	210	210	246	304	355	349	
TBIN	U004	950	952	905	903	885	853	854	802	804	803	804	804	803	804	803	802	802	802	803	803	805	803	803	804	828	854	854	852	879	904	903	903	902	
Total ST-Coal		8864	8619	8366	7947	7720	7339	7209	7117	6967	6805	6710	6648	6643	6648	6603	6361	6202	6209	6263	6534	6701	6739	6727	6792	6930	7140	7188	7186	7185	7331	7381	7512	7721	7886
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	
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	
CBPS	BLK2	354	355	350	358	356	361	358	358	355	357	353	356	360	360	353	349	354	352	355	360	361	360	360	360	359	360	360	360	358	360	360	361	360	
EMPP	BLK1	694	691	680	705	704	711	712	712	686	701	688	709	710	710	684	677	686	683	598	521	511	497	533	514	508	435	484	588	681	667	710	711	709	
EMPP	BLK2	693	691	677	711	700	712	712	713	685	698	688	701	710	711	684	677	686	683	598	520	511	497	537	523	508	437	483	587	681	667	710	711	709	
EMPP	BLK3	694	691	677	710	701	712	712	713	687	698	688	702	710	711	681	674	684	684	700	520	511	497	537	523	508	437	483	587	681	667	710	711	709	
GLGR	GT01	108	108	109	110	107	110	108	94	94	94	94	94	95	96	93	94	96	94	95	101	95	95	94	94	95	95	95	95	95	95	96	95	94	
GLGR	ST1C	46	45	46	47	46	46	46	42	42	41	41	41	41	41	41	40	42	41	40	44	42	41	42	42	42	42	42	42	42	42	42	41	40	
NPRI	BLK1	524	527	521	530	524	531	530	526	524	525	523	529	532	532	521	514	524	521	524	532	527	529	527	527	524	523	518	516	517	518	520	517	515	
NPRI	BLK2	519	521	514	523	521	526	524	523	517	521	517	521	526	526	516	508	517	515	520	525	525	526	525	524	525	524	526	523	524	527	525	523	523	
PCGP	PGRG	592	592	576	599	594	604	602	596	588	595	589	594	603	604	585	569	587	582	589	603	609	601	603	603	604	604	602	602	602	604	603	606	601	
SPGP	BLK2	722	722	719	720	721	720	721	721	720	721	720	720	720	723	720	722	720	722	720	721	720	718	719	716	715	707	707	708	711	710	714	713	713	
TJGS	GT1B	218	218	223	220	217	218	221	220	220	220	219	223	221	222	220	123	133	130	139	130	132	134	136	132	135	131	130	134	218	216	216	218	216	
TJGS	ST1C	118	119	118	119	118	119	118	118	119	119	119	119	119	119	80	79	79	79	79	79	79	79	79	79	80	80	80	79	80	117	117	117	116	
Total CCGT-Gas		5282	5280	5210	5352	5309	5370	5363	5336	5238	5289	5240	5309	5347	5355	5217	5024	5107	5084	4945	4659	4615	4576	4691	4638	4592	4382	4509	4818	5104	5203	5322	5327	5309	
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	
BSIA	HY01	20	20	21	21	20	21	21	20	20	20	20	20	20	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	21	21	21	
CEND	HY01	8	8	7	7	8	8	8	8	8	8	8	8	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	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	7	7	7	7	7	7	7	7	7	
HTRG	HY01	68	68	68	67	68	69	69	68	69	68	68	69	68	68	68	68	68	68	68	69	69	68	68	69	69	68	68	68	68	69	69	69	69	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	69	123	123	122	122	123	123	122	69	69	68	68	-1	-1	
HTRG	HY03	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	
HTRG	HY04	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	
KNRG	HY03	40	40	40	39	40	39	40	40	40	40	40	40	40	39	31	22	22	22	22	22	40	40	39	40	40	40	40	40	40	40	39	40	40	
KNYR	HY01	97	97	97	97	97	97	60	60	59	59	58	59	60	60	0	-1	-1	-1	-1	-1	59	97	97	97	97	97	97	97	97	97	97	97	96	97
KNYR	HY02	61	61	59	57	61	80	61	60	60	59	59	59	60	60	58	58	57	57	58	59	62	99	94	93	99	97	98	98	73	62	67	93	98	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	98	98	97	97	98	98	60	60	59	59	59	59	60	60	57	57	-1	-1	-1	-1	59	60	60	60	60	60	59	60	60	61	61	62	98	
LPJA	HY01	22	22	22	20	20	20	20																											

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	
PGAU	HY01	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	19	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	3	13	13	13	13	13	13	13	20	20	20	20	21	21	21	21	22	22	22
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	81	81	81
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	88	88	88	88
TMGR	HY04	41	42	39	41	42	61	42	41	40	41	41	41	43	40	39	40	41	43	41	43	42	52	43	41	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	86	98	94	99	92	93	92
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	94	89	89	89
UPIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	4	4	5	4
Total Hydro		481	482	476	492	480	519	427	406	414	414	412	414	416	417	333	322	265	265	286	296	490	619	613	611	619
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	15	18	20	22	24	25	26
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	8	14	18	22	23	29	23	31	33
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	17	20	24	26	29	30	32	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	16	25	17	22	28	31	39	39	38
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	12	18	23	27	31	31	39	28	38
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	11	17	17	20	20	24	25	28	31
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	16	23	28	33	36	25	45	26	19
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	14	18	22	26	28	29	30	30
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	8	16	40	34	43	45	12	12
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	23	36	49	60	69	77	77	86	92	87
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	17	23	29	32	35	39	43	43	24
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	10	15	19	23	25	29	28	30
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	33	54	64	74	85	93	100	100	100
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	12	15	19	23	26	29	30	30	30
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	22	29	29	29	30	29	29
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	20	27	32	38	43	45	47	48
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	27	63	76	85	85	90	93	93	94	95
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	18	29	49	86	91	81	92	102	74
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	9	9	9	22	18	21	37	50	25
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	17	19	26	29	39	27	39	40	41
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	14	24	30	34	38	41	42	44
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	14	13	22	22	26	26	22
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	18	19	29	30	30	30	24	29
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	130	300	449	613	754	862	897	964	968	974
ESTL	ESTL	17	23	3	12	0	0	0	0	10	21	19	22	10	14	16	14	22	16	24	22	18	26	26	17	17
KHTC	BLK1	-21	-20	-19	-18	-20	-14	-16	-14	-12	-11	-11	-10	-9	-8	-6	-9	-16	-17	-21	-24	-27	-27	-27	-28	-32
PCUF	CUFG	2	5	3	5	2	5	4	5	6	5	5	6	3	5	17	18	17	18	17	19	18	17	16	16	17
PCUF	CUFK	8	19	22	22	22	21	22	21	19	17	16	16	17	19	17	20	21	20	19	19	18	20	20	18	19
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
Total Co-Gen		10	31	13	25	8	16	14	16	27	36	33	37	24	33	46	50	55	42	49	44	35	40	38	30	29
Total Gen		14637	14412	14065	13816	13517	13244	13013	12875	12646	12544	12395	12408	12430	12453	12199	11785	11759	11900	11992	12146	12595	12836	12966	13035	13138

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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