

Daily System Generation Summary on Saturday

Saturday, October 28, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,194 MW
Distillate	0 MW
Total TNB	2,194 MW
Total IPP	17,278 MW
Total Co-Gen	0 MW
Total System	23,348 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,289	4.30 %
Gas	45,828	12.89 %
Total TNB	61,117	17.19 %
ST-Coal	215,141	60.50 %
LSS	4,540	1.28 %
Gas	73,693	20.72 %
Total IPP	293,374	82.50 %
Co-Gen	253	0.07 %
Total Co-Gen	253	0.07 %
Total Generation	354,744	99.76 %
PLTG	-160	-0.04 %
HVDC	-703	-0.20 %
Interconnection	-863	-0.24 %
Net Energy	355,607	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:	19:30:00 Hour
Total Set On Bus	17,598 MW
TNB Generation	3,162 MW
IPP Generation	13,019 MW
Spinning Reserve	1,402 MW
Maximum Demand	16,243 MW
Net Energy	355,607 MWH
Load Factor	91.22 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,259
Hydro	286
Syncon	822
Thermal	185
Total	2,552

Time	Weather	Temperature
Afternoon	Rainy	31
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	90
Total TNB	119
CBPS	38
EMPP	249
NPRI	115
PCGP	81
SPGP	189
Total IPP	671
Total Gas	791
Total Gas Required	791

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	15691	15001	14460	13971	13583	13359	13372	13148	12788	13828	14780	15290	15310	15174	15453	15580	15586	15289	15103	15877	16068	15879	15512	15194

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Sunday, October 29, 2023 12:05:26 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	696	696	696	697	695	695	694	696	697	696	697	696	696	696	696	696	696	697	694	695	697	696	696	696	696
JMAH	U002	695	697	696	695	697	696	697	695	696	694	696	696	695	697	694	695	694	696	696	697	694	695	695	698	696
JMHE	U002	970	971	970	972	952	902	900	901	872	852	853	849	849	853	852	854	851	854	850	918	976	976	976	975	976
JMJG	U001	673	683	658	671	670	667	665	666	669	665	668	666	669	679	661	585	605	664	669	668	669	673	679	672	671
JMJG	U002	636	645	629	647	641	639	641	637	645	635	640	637	642	634	640	636	644	640	637	635	645	637	639	643	637
JMJG	U003	673	682	672	681	669	674	676	678	676	682	676	679	678	672	676	602	602	634	662	667	671	662	673	670	668
JMJG	U004	696	698	695	697	713	715	725	736	753	761	770	772	786	801	819	830	840	840	840	841	842	842	828	817	815
JMJG	U005	890	889	890	892	892	888	889	880	878	850	851	851	848	852	852	854	849	850	851	851	912	983	983	981	979
PKLG	U003	131	147	146	146	145	150	145	196	208	209	238	236	268	279	280	277	275	276	275	277	274	274	273	273	275
PKLG	U005	470	470	470	470	470	470	470	400	380	350	350	300	260	260	260	260	355	355	470	470	470	470	470	470	470
TBIN	U001	691	692	691	691	687	692	690	692	692	691	690	688	689	695	689	690	688	692	691	690	689	691	689	691	691
TBIN	U002	692	691	687	689	688	685	687	689	690	690	692	691	689	690	688	692	690	688	690	688	688	688	688	688	688
TBIN	U003	685	686	687	687	685	685	688	686	686	690	689	688	689	687	684	686	686	686	686	685	686	687	690	685	686
TBIN	U004	984	903	851	802	804	804	700	601	575	474	548	396	314	0	0	0	0	0	0	0	0	0	0	0	0
Total ST-Coal		9582	9550	9438	9437	9408	9362	9267	9223	9137	8969	9058	8896	8814	8493	8493	8357	8383	8569	8602	8719	8856	8973	8992	8966	8947
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
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
CBPS	BLK2	210	213	213	210	208	209	208	211	210	208	208	211	210	210	205	211	212	212	208	211	212	212	212	212	211
EMPP	BLK1	478	431	428	414	406	411	409	408	414	412	409	438	408	412	414	411	406	411	421	420	439	442	514	543	549
EMPP	BLK2	475	433	427	413	407	413	410	408	413	411	408	442	409	412	414	411	406	411	419	419	446	445	513	542	548
EMPP	BLK3	477	431	429	412	406	410	409	410	413	411	409	441	409	413	414	412	406	411	422	419	445	446	512	542	545
GLGR	GT02	95	95	95	95	95	95	94	95	95	94	95	94	95	94	95	94	95	94	95	95	95	94	95	94	95
GLGR	ST1C	42	42	42	42	43	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NPRI	BLK1	347	309	308	307	302	307	304	305	305	305	304	307	307	307	306	301	310	320	319	313	319	318	319	319	320
NPRI	BLK2	350	310	309	308	304	307	305	307	307	305	304	310	308	308	309	307	302	311	309	309	304	309	309	310	310
PCGP	PGRG	603	601	600	595	420	416	400	405	408	409	415	417	414	415	418	417	419	422	413	420	593	603	603	604	603
SPGP	BLK1	718	719	721	718	643	566	495	360	362	449	360	360	361	650	362	362	362	549	598	714	710	719	720	721	720
SPGP	BLK2	718	716	719	713	708	545	494	448	361	359	360	360	495	647	545	362	361	361	609	715	711	719	718	717	718
TJGS	GT1A	126	127	127	128	135	137	134	135	135	135	141	135	140	133	134	137	136	135	134	137	135	139	138	138	135
TJGS	GT1B	114	112	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST1C	164	164	72	73	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
TJGS	GT2A	132	121	168	163	163	163	162	163	163	163	163	161	162	164	164	163	164	164	164	164	164	164	164	164	164
TJGS	GT2B	129	119	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	190	171	103	92	91	91	91	91	90	91	91	90	91	90	91	91	91	91	91	91	91	91	91	91	91
Total CCGT-Gas		5368	5114	4874	4683	4410	4191	4036	3867	3797	3873	3788	3887	3929	4376	3998	3804	3772	4002	4328	4555	4774	4818	5029	5120	5128
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
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	0	0	0	0	0	0	0	0	0
BSIA	HY03	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	11	11	11	11	11	12	11
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	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	9
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
HTRG	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	-1
HTRG	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
KNRG	HY01	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	22	22	22	22	0	0	0	0	0
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	23	23	23	23	24	24	23	23	23
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	21	21	21	21	21	21	21	21	21
KNYR	HY01	93	93	93	93	94	94	94	94	94	93	55	58	94	94	94	94	55	94	94	93	93	93	93	93	93

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		
KNYR	HY02	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93		
KNYR	HY03	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
KNYR	HY04	95	95	95	95	56	58	58	58	58	95	59	95	60	64	64	60	58	88	94	95	89	95	95	95	95	
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
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	3	
PGAU	HY01	-1	-1	-1	-1	-1	19	19	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	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	-1	
PGAU	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	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	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	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	-1	
TMGR	HY04	43	41	41	45	45	45	45	44	44	44	40	43	41	49	41	41	39	41	41	42	41	42	41	42	41	
UJLI	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	-1	
UJLI	HY02	102	-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	HY02	0	3	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		717	615	617	621	583	605	605	604	584	620	466	583	582	594	604	593	474	563	570	593	582	567	567	568	569	
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	10	11	10	10	9	17	8	
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	0	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	14	19	22	27	26	22	35	12	3	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	10	19	25	29	31	13	9	5	12	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	15	14	21	27	18	9	7	10	42	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	5	6	5	10	13	10	14	9	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	12	20	28	31	20	9	20	49	50	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	14	18	19	19	20	29	12	30	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	10	21	25	26	27	43	40	43	44	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	14	32	51	60	70	79	47	56	24	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	9	12	28	26	41	34	36	47	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	14	12	22	26	23	19	9	7	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	10	20	21	20	64	86	88	76	47	47	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	7	8	23	26	24	20	28	8	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	13	11	18	12	29	30	29	22	5	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	4	11	16	30	27	43	51	37	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	10	16	26	83	48	95	70	77	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	11	21	26	38	41	57	41	31	31	89	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	5	9	15	18	27	37	50	35	18	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	15	12	31	35	39	19	48	45	38	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	15	17	32	35	39	42	40	48	
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	9	6	19	12	21	17	12	17	8	
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	9	5	8	7	9	8	5	5	12	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	102	209	298	413	564	708	681	710	677	607	
ESTL	ESTL	0	0	0	0	0	-3	0	0	0	0	0	-2	7	6	6	9	6	10	8	3	0	7	0	0	6	5
KHTC	BLK1	-27	-21	-23	-23	-24	-24	-22	-20	-19	-22	-20	-20	-21	-20	-19	-18	-19	-18	-20	-25	-27	-30	-30	-35	-39	-40
PCUF	CUFG	25	25	23	24	24	26	24	22	13	14	14	14	13	13	14	14	14	13	13	14	12	14	13	12	14	12
PCUF	CUFK	4	3	4	9	6	8	8	9	8	8	8	5	7	7	8	7	8	8	8	9	9	5	8	9	10	8

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	
PFTZ	PFTZ	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	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		
Total Co-Gen		12	17	14	20	16	17	20	21	12	10	10	7	18	15	17	21	20	23	21	15	8	7	0	0	1	-4	-3	0	6	1	0	0	-5	-4	-1	4	4	16	11	15	19	17	17	16	15	14	14	14
Total Gen		15679	15296	14943	14761	14417	14175	13928	13715	13530	13472	13322	13373	13343	13478	13112	12809	12751	13366	13819	14295	14784	15073	15269	15364	15322	15277	15193	15306	15380	15539	15517	15531	15522	15470	15239	15119	15067	15236	15858	16196	16025	15956	15840	15690	15479	15308	15174	14942
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		-31	-31	-28	-28	-28	-28	-31	-28	-29	-29	-28	-29	-30	-30	-29	-29	-31	-29	-30	-29	-30	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-31	-31	-28	-30	-30	-30	-30	-30	-29	-30	-28	-30	-28	-30	-28		
TIE-PLTG		19	-10	-30	-27	-15	-14	-12	-19	-24	-16	-9	6	-1	7	-6	-3	-8	0	20	9	34	14	8	22	42	24	47	17	-44	-31	-33	-32	-36	-43	-21	-29	-6	-44	10	-18	-12	-2	-10	-23	-3	-26	10	-3
Interconnection		-12	-41	-58	-55	-43	-43	-43	-47	-53	-45	-37	-22	-29	-23	-36	-32	-37	-30	-9	-21	4	-15	-21	-8	12	-4	19	-12	-73	-61	-63	-62	-64	-72	-50	-60	-36	-73	-19	-47	-43	-32	-39	-52	-33	-54	-20	-31
System Total		15691	15337	15001	14816	14460	14218	13971	13762	13583	13517	13359	13395	13372	13501	13148	12841	12788	13396	13828	14316	14780	15088	15290	15372	15310	15281	15174	15318	15453	15600	15580	15593	15586	15542	15289	15179	15103	15309	15877	16243	16068	15988	15879	15742	15512	15362	15194	14973
SRev ST-Coal		138	140	142	143	182	228	323	257	293	340	296	455	487	322	353	312	282	398	370	317	269	152	133	159	168	163	161	161	167	162	154	171	169	152	161	170	209	156	152	175	179	182	131	161	176	142	139	193
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		1921	2175	2061	1904	2177	2396	2551	2720	2790	2714	2799	2700	2658	2211	2589	2783	2815	2585	2259	2032	1813	1769	1558	1467	1459	1452	1539	1483	1450	1214	1174	987	939	990	1100	1193	1153	1008	472	237	309	358	524	679	729	848	984	1149
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	0	0	1	-1	-1	-1	0	0	0	0	2	1	0	0	0	-1	2	-1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	1	-1	0	-1	1	0	0	0	0	
Syncon		703	890	890	890	890	739	739	739	890	890	890	890	890	890	739	890	890	890	890	739	890	890	890	890	890	739	890	890	890	890	890	890	739	890	890	890	739	401	588	588	739	739	739	890	890	890		
Hydro		190	105	108	99	137	271	266	267	136	100	254	137	138	126	267	151	270	157	150	278	158	133	133	132	131	264	130	133	129	119	133	175	162	290	195	162	158	160	288	503	415	430	280	244	259	160	161	174
S.Reserve Total		3040	3397	3288	3123	3473	3722	3965	4069	4195	4131	4326	4269	4260	3638	4036	4223	4344	4117	3755	3455	3216	3031	2802	2735	2735	2705	2807	2754	2723	2472	2438	2310	2247	2258	2433	2502	2496	2301	1739	1402	1578	1644	1762	1910	1990	2127	2261	2493