

Daily System Generation Summary on Saturday

Saturday, September 16, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,045 MW
Distillate	0 MW
Total TNB	2,045 MW
Total IPP	16,334 MW
Total Co-Gen	0 MW
Total System	21,792 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,582	5.08 %
Gas	53,959	15.59 %
Total TNB	71,541	20.67 %
ST-Coal	185,642	53.63 %
ST-Gas	514	0.15 %
LSS	6,339	1.83 %
Gas	81,095	23.43 %
Total IPP	273,590	79.03 %
Co-Gen	534	0.15 %
Total Co-Gen	534	0.15 %
Total Generation	345,665	99.85 %
PLTG	192	0.06 %
HVDC	-711	-0.21 %
Interconnection	-519	-0.15 %
Net Energy	346,184	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:	20:30:00 Hour
Total Set On Bus	17,441 MW
TNB Generation	4,459 MW
IPP Generation	11,963 MW
Spinning Reserve	997 MW
Maximum Demand	16,464 MW
Net Energy	346,184 MWH
Load Factor	87.61 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,728
Hydro	333
Syncon	636
Thermal	274
Total	2,971

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	23

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	142
Total TNB	173
CBPS	43
EMPP	260
KLPP	34
NPRI	72
PCGP	81
PLPS	44
SKSP	4
SPGP	189
PKLG	5
Total IPP	733
Total Gas	906

Total Gas Required 906

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	16457	15655	15052	14625	14221	13900	13664	13107	12187	12392	12794	13072	13392	13540	13973	14275	14609	14612	14623	15102	16360	16338	16119	15912

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 27, 2023
9:18:58 AM

(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	694	693	694	696	696	695	696	695	695	694	696	695	696	695	695	696	696	697	694	697	695	693	698	699	695	697	695	696	699	697	695	696	699	697	695	694														
JMAH	U002	694	694	697	696	698	695	695	693	695	695	696	695	693	696	694	692	694	691	697	696	694	698	696	695	696	693	695	694	696	693	694	696	694	694	696															
JMHE	U001	897	811	507	463	315	317	310	306	128	17	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0															
JMHE	U002	972	974	966	968	970	968	963	965	964	945	903	896	898	890	897	897	899	898	896	899	898	900	896	904	903	904	900	900	895	939	935	947	976	972	971	975	977	972	975	972	972									
JMJG	U001	673	666	673	667	663	668	671	668	663	671	671	668	668	667	671	670	668	662	676	664	668	667	668	667	665	679	670	658	670	668	671	671	661	668	667	668	672	676	666	666	670	667	668	669	671	671				
JMJG	U002	672	670	670	669	668	674	669	667	672	671	667	671	669	666	668	672	666	668	671	668	672	672	672	670	675	667	671	670	673	672	670	668	673	668	672	672	671	679	669	668	667	671	667	670	675	668	668	671		
JMJG	U003	665	668	664	663	666	667	666	667	667	669	663	667	665	667	667	668	647	666	662	675	662	673	683	662	665	666	668	669	666	665	671	666	668	665	666	671	669	669	662	678	657	670	666	669	668	667	666	660		
PKLG	U003	276	277	277	277	276	277	276	273	277	278	278	277	279	277	279	277	278	278	277	278	276	279	275	276	274	277	275	277	276	277	277	276	277	276	277	277	276	277	277	276	277	277	275	279						
PKLG	U004	262	260	259	261	259	260	256	256	259	259	258	262	260	259	257	261	261	259	262	260	261	259	261	260	258	258	256	258	257	259	257	258	265	260	258	258	263	259	261	258	255	260	258	264	263	261	260	260		
PKLG	U005	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471				
TBIN	U001	687	687	688	687	688	686	688	691	689	688	687	687	688	687	686	689	689	686	687	687	686	689	687	688	686	689	685	688	686	689	689	689	688	688	686	685	686	688	687	686	686	689	687	687	688	687	688	687		
TBIN	U002	688	689	688	686	687	687	688	687	689	689	684	687	685	690	688	687	688	690	686	688	689	688	685	687	689	688	689	688	690	685	691	689	690	689	687	688	690	693	690	691	689	688	690	691	691	690	688	688		
TBIN	U004	980	980	980	980	980	980	980	980	980	980	980	980	980	900	900	900	900	900	900	900	900	900	900	903	902	903	903	905	901	905	902	903	903	906	903	903	906	903	928	952	953	981	983	983	982	985	983	983	981	983
Total ST-Coal		8631	8540	8234	8184	8037	8045	8029	8019	7850	7727	7673	7656	7652	7644	7576	7583	7560	7566	7575	7580	7570	7585	7591	7570	7585	7569	7573	7593	7580	7563	7592	7581	7605	7582	7576	7578	7653	7677	7679	7756	7707	7735	7731	7751	7747	7739	7729	7732		
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			
PKLG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	21	20	21	21	40	42	53	53	73	99	136	144	144	144			
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	17	21	20	21	21	40	42	53	53	73	99	136	144	144	144			
CBPS	BLK2	362	356	211	212	210	210	210	209	211	210	211	210	210	206	202	199	203	202	206	201	209	204	210	209	206	210	210	210	209	207	210	213	360	361	359	359	358	363	362	362	360	361	362	357	359	360	362	362		
EMPP	BLK1	705	691	691	637	593	559	508	548	591	552	542	519	473	475	408	400	395	402	398	406	399	407	404	440	408	413	470	410	412	433	527	621	711	706	698	712	700	701	710	710	697	706	710	706	703	708	703	703		
EMPP	BLK2	707	691	691	637	591	560	514	549	597	547	544	519	470	478	408	400	394	402	398	406	399	408	404	446	408	419	474	408	411	439	525	619	711	706	704	712	697	700	710	711	692	711	710	707	700	708	709	709		
EMPP	BLK3	707	691	687	637	591	556	514	549	596	551	544	518	472	481	409	400	394	402	397	406	399	408	404	447	409	419	471	674	416	710	697	685	711	706	705	712	697	703	709	712	710	695	710	707	697	708	711	711		
GLGR	GT01	67	65	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	GT02	67	66	93	95	95	96	95	95	95	95	96	95	96	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	95	95	95	95	95	95	95	94	107	107	106	95	95	94	94	
GLGR	ST1C	70	70	75	41	41	41	41	41	41	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	41	41	41	41	41	41	41	41	41	41	41		
KLPP	GT15	105	104	106	112	104	104	105	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105	108	102	102	103	102	102	102	103	101	102	105	103	102	103	104	104	108	146	145	147	147	144	105	107	108	107		
KLPP	ST17	61	61	62	62	61	61	60	61	62	61	61	61	61	61	61	60	60	60	61	61	61	61	61	61	60	60	60	61	61	60	60	61	62	60	61	59	59	59	59	59	68	68	67	68	67	58	60	60	60	
NPRI	BLK2	531	515	532	531	526	529	529	527	530	520	530	527	526	520	364	320	317	321	317	322	320	326	322	329	329	325	329	332	330	328	329	331	353	503	478	528	520	523	529	528	530	518	530	530	526	519	529	526	526	
PCGP	PGRG	601	590	603	608	602	601	603	604	603	598	600	597	599	597	539	378	372	382	376	386	375	391	380	401	395	388	400	402	594	596	596	597	606	599	596	597	598	606	604	602	594	601	604	595	596	601	599	599		
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT12	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	123	125	124	124	124	124	124	125	125	124	124	123	124	124	124	123	125	124	124	124	124	124	125	123	124	124	124	123	124	123	124	124	124	124	124	124	121	123	122	137	137	134	137	137	136	109	108	109	109	
PLPS	ST18	104	59	60	60	60	60	59	59	60	59	60	59	59	60	60	59	60	60	59	60	59	60	59	60	59	60	59	60	59	60	59	60	60	60	60	60	59	59	56	128	128	127	127	126	126	120	122	121	121	
SKSP	BLK1	220	219	217</																																															

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																								
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																								
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																								
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																								
HTRG	HY01	68	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																								
HTRG	HY02	120	68	69	69	69	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	68	119	118																								
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3																								
KNRG	HY01	36	36	36	36	36	36	22	23	22	22	22	23	22	0	0	0	23	23	23	23	23	23	38	37																								
KNRG	HY02	37	37	37	37	37	37	23	23	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0																								
KNRG	HY03	38	37	37	37	37	37	20	20	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0																								
KNYR	HY01	96	97	97	97	97	97	97	97	97	96	96	96	97	96	68	55	54	54	95	94	96	96	96	96																								
KNYR	HY03	98	97	99	99	98	98	98	98	98	98	98	97	96	95	94	54	53	52	93	93	94	97	95	95																								
KNYR	HY04	98	0	0	0	0	0	0	0	0	19	59	58	58	28	98	97	56	55	55	96	96	97	98	98																								
LPIA	HY02	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	23	23	23	24	24	24	25																								
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	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-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	21	-1	-1	-1	-1	-1	-1																								
PGAU	HY04	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	22	22	22	22	22	21	21	21	21	21	21	22	21	15	15	15	15	15	15	15	16	15	15	15																								
SYPS	HY03	25	25	25	25	25	25	25	25	25	25	25	17	17	17	17	17	17	17	17	0	0	0	0	0																								
SYPS	HY04	25	25	25	25	25	25	25	25	25	25	25	17	0	0	0	0	0	0	0	0	0	0	0	0																								
TMGR	HY01	79	79	79	79	79	79	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																								
TMGR	HY02	82	81	83	83	82	83	35	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																								
TMGR	HY03	80	81	80	80	80	80	74	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																								
TMGR	HY04	51	40	79	80	79	76	80	80	43	41	41	41	41	39	38	40	39	40	39	42	41	52	43	40																								
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																								
UJLI	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																								
UPIA	HY01	3	3	3	3	3	3	3	3	3	3	3	2	3	2	2	3	2	2	2	2	2	3	3	3																								
UPIA	HY02	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																								
Total Hydro		1090	928	902	903	900	898	901	755	613	607	591	629	629	647	571	550	567	474	425	426	545	528	532	550	536	554	537	554	560	525	523	518	537	512	506	520	509	503	642	1139	1377	1523	1293	1157	1115	1046	1071	1057
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			
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	6	19	15	19	18	23	27	20	25	26	21	18	13	22	19	18	11	8	6	2	1	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	2	5	13	19	23	21	23	16	26	25	27	18	34	25	30	28	25	15	9	6	5	2	1	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	4	5	9	13	20	27	30	28	34	35	35	31	35	29	11	5	2	3	6	7	6	3	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	2	6	12	19	23	24	18	34	26	24	38	29	27	17	34	11	12	15	16	8	6	6	2	1	0	0	0	0	0	0	0	0		
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	10	13	13	13	27	26	22	29	27	28	36	25	19	21	21	17	11	20	8	5	2	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	1	6	4	3	3	6	12	16	9	14	14	14	13	18	17	13	9	21	16	8	11	4	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	1	4	7	15	17	20	29	27	19	35	44	50	19	40	19	13	38	27	23	22	20	8	6	1	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	1	4	9	7	8	14	17	18	29	21	28	28	28	29	28	22	14	8	16	11	6	5	4	1	0	0	0	0	0	0	0		
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	11	18	35	33	38	40	44	44	47	47	46	43	40	35	36	8	10	4	2	1	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	9	11	30	32	65	77	82	86	76	92	91	67	90	44	26	10	9	6	12	17	14	8	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	1	3	14	13	14	35	35	42	34	43	44	41	25	36	22	21	42	33	24	4	8	6	5	1	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	1	3	4	11	11	15	25	29	29	30	26	30	30	27	8	3	1	1	4	6	10	8	2	1	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	1	4	21	30	55	85	77	94	100	100	38	47	93	100	90	48	61	19	12	16	8	6	4	1	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	1	9	9	15	19	23	28	30	19	29	26	16	12	30	22	11	4	4	4	2	2	1	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	2	7	26	6	28	16	13	23	24	25	24	23	28	26	29	30	29	18	26	4	5	1	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	1	4	7	13	18	28	22	51	51	37	43	51	36	49	27	38	34	31	14	7	6	3	0	0	0	0	0	0	0					

Daily MW Generation on Saturday

[illegible]