

Daily System Generation Summary on Sunday

Sunday, October 15, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,176 MW
Distillate	0 MW
Total TNB	2,176 MW
Total IPP	17,104 MW
Total Co-Gen	0 MW
Total System	22,988 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,138	4.87 %
Gas	49,272	14.01 %
Total TNB	66,410	18.89 %
ST-Coal	204,986	58.30 %
LSS	5,921	1.68 %
Gas	74,120	21.08 %
Total IPP	285,027	81.07 %
Co-Gen	-475	-0.14 %
Total Co-Gen	-475	-0.14 %
Total Generation	350,962	99.82 %
PLTG	86	0.02 %
HVDC	-709	-0.20 %
Interconnection	-623	-0.18 %
Net Energy	351,585	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	18,247 MW
TNB Generation	4,176 MW
IPP Generation	12,867 MW
Spinning Reserve	1,221 MW
Maximum Demand	17,038 MW
Net Energy	351,585 MWH
Load Factor	85.98 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,629
Hydro	241
Syncon	777
Thermal	326
Total	2,973

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	113
Total TNB	143
CBPS	41
EMPP	244
NPRI	123
PCGP	78
SPGP	187
Total IPP	673
Total Gas	816
Total Gas Required	816

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	16200	15533	14949	14369	14002	13561	13429	13034	12363	12750	13179	13665	13704	13840	14236	14567	15001	15097	14972	15699	16855	16926	16825	16503

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 30, 2023 11:43:54 AM

(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	701	695	695	693	696	696	696	694	696	697	696	695	696	696	694	694	697	697	697	696	697	696	694	698	696	695	696	697	695																			
JMAH	U002	696	695	696	695	699	695	695	698	692	696	695	696	696	695	694	697	695	696	692	695	692	696	696	695	694	695	695	694	696	700	696	696	695															
JMHE	U002	981	979	979	977	980	980	979	900	899	898	898	851	849	846	848	847	850	849	853	850	852	849	849	850	849	851	853	853	851	903	900	899	933	931	931	930	928	929	958	977	981	978	977	976	975	978	979	980
JMJG	U001	670	668	661	671	663	668	670	663	668	667	667	667	665	667	670	668	666	673	662	673	665	665	677	662	667	666	663	667	661	669	668	671	663	667	662	672	674	674	666	666	670	662	661	664	668	689	669	658
JMJG	U003	685	672	685	677	686	676	685	666	674	669	676	668	667	674	668	666	663	679	659	662	677	671	677	668	678	667	666	673	675	668	676	671	677	668	676	678	666	676	668	676	667	664	667					
JMJG	U005	981	978	976	973	975	978	979	897	895	895	895	847	849	847	848	848	852	849	850	846	850	848	851	848	854	852	855	851	849	901	900	897	929	926	925	930	935	929	985	982	975	974	980	978	979	979	974	977
PKLG	U003	279	278	279	278	277	250	205	205	205	206	207	242	268	276	278	249	205	243	269	281	284	277	282	282	277	275	278	279	277	279	279	277	278	279	279	277	278	276	277	277	277	275	277	274	278	277	278	277
PKLG	U004	275	271	273	274	274	273	270	275	267	274	275	273	272	270	275	240	203	235	270	276	275	270	272	271	276	269	273	278	273	271	273	271	273	271	272	273	272	273	270	269	274	269	273	272	271	272		
PKLG	U005	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470			
TBIN	U001	689	687	690	690	690	689	691	689	690	689	688	691	691	686	689	689	689	690	689	689	689	689	689	689	689	689	689	689	689	688	688	690	690	688	688	688	690	690	689	689	690	690	689	690	688			
TBIN	U002	688	686	689	691	690	688	686	690	690	690	686	686	691	691	688	690	690	688	692	692	693	691	689	689	689	692	692	686	687	688	690	689	688	688	690	690	689	688	690	691	688	688	690	687	691	688	683	
TBIN	U003	687	684	687	686	688	689	686	688	686	686	685	686	687	685	685	690	687	685	686	687	687	685	686	686	689	686	687	692	687	686	686	685	687	687	689	688	686	687	690	686	687	687	686	686	688	686	685	
TBIN	U004	983	983	981	983	983	981	980	949	905	902	905	861	852	855	855	854	854	852	852	854	853	852	854	852	855	853	854	853	853	884	904	903	932	932	934	933	932	933	957	983	984	983	981	983	983	983	984	985
Total ST-Coal		8785	8746	8761	8758	8771	8733	8692	8484	8437	8440	8445	8330	8357	8357	8362	8301	8226	8293	8345	8382	8367	8354	8383	8362	8375	8363	8382	8370	8361	8495	8519	8519	8603	8603	8593	8601	8627	8616	8711	8766	8753	8740	8754	8738	8760	8780	8746	8732
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	
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	
CBPS	BLK2	353	355	242	211	203	214	210	211	212	212	208	210	206	205	204	200	201	206	212	211	210	206	214	207	201	209	211	217	212	214	211	212	212	212	212	211	211	212	212	330	364	362	363	362	358	361	355	354
EMPP	BLK1	683	684	710	711	683	577	520	535	470	448	413	409	407	403	402	362	368	375	383	381	380	375	382	376	366	380	381	386	381	382	412	553	602	652	683	678	689	494	613	705	707	711	709	709	694	697	685	683
EMPP	BLK2	683	684	709	709	683	577	521	536	476	447	414	411	406	402	403	357	363	370	378	375	375	369	376	373	360	377	375	381	375	377	410	560	603	649	683	680	691	495	621	711	710	711	709	709	695	697	684	685
EMPP	BLK3	684	684	710	710	682	578	522	538	475	448	411	410	406	403	403	358	363	371	377	374	376	370	376	373	360	377	375	382	375	377	412	560	600	650	686	673	690	494	626	710	710	711	709	709	695	697	683	684
GLGR	GT02	94	94	94	94	94	95	95	94	94	94	95	94	94	94	95	94	94	95	95	94	95	94	95	94	95	94	95	94	95	94	95	95	95	95	94	94	94	107	108	107	107	107	107	107	107	107	108	
GLGR	ST1C	42	41	42	42	41	41	41	41	42	41	40	40	41	41	42	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	46	46	46
NPRI	BLK1	502	502	395	395	385	311	307	307	309	308	305	307	300	299	297	293	295	300	308	310	307	299	309	302	293	305	308	314	308	310	308	308	308	308	308	307	308	407	514	517	514	517	515	511	506	512	503	502
NPRI	BLK2	507	508	428	389	319	333	329	331	331	332	326	329	325	322	319	316	317	322	329	329	329	323	331	325	317	327	330	347	331	332	387	331	330	331	329	329	331	520	519	517	519	518	521	517	513	518	508	507
PCGP	PGRG	578	583	607	602	576	607	600	603	604	501	393	397	390	383	381	366	376	384	399	396	400	387	406	393	371	396	400	412	401	507	601	601	601	600	602	598	600	601	602	601	604	602	602	604	588	601	580	584
SPGP	BLK1	703	703	719	718	704	718	719	720	721	718	714	719	712	712	540	361	359	360	360	359	360	440	452	542	572	448	451	655	717	699	697	707	703	700	702	703	706	710	714	713	715	716	715	713	716	707	709	
SPGP	BLK2	690	695	708	711	693	708	710	708	712	710	706	710	701	702	538	359	360	359	359	360	360	443	453	542	572	447	452	656	709	700	696	701	699	697	699	698	699	703	704	703	704	707	706	711	704	706	691	691
TJGS	GT1A	217	138	112	112	134	139	134	137	138	137	134	138	133	138	136	125	128	140	137	137	142	139	138	140	131	134	139	135	133	135	139	137	135	138	133	138	139	138	199	224	222	225	222	223	222	223	225	
TJGS	GT1B	201	126	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	ST1C	246	183	116	67	78	81	79	79	79	79	79	79	79	79	78	77	77	78	79																													

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	HY01	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
KNYR	HY02	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY03	94	94	99	99	94	99	98	98	98	98	98	97	97	97	95	93	51	53	50	52	53	95	98	96
KNYR	HY04	89	88	100	100	90	99	99	100	100	100	99	94	94	90	87	58	60	75	98	69	57	100	58	56
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	22	22	22	22
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	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	20	21	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-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	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	25	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
TMGR	HY02	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	38	40	80	54	41	42	41	42	45	41	41	42	41	40	38	40	41	42	42	40	47	41	39	62
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	3	3	3	3	3	3	3	3	3	3	3	3	3
UPIA	HY02	5	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		720	681	744	718	637	604	602	604	607	602	622	594	614	587	579	421	369	384	431	499	541	594	543	535
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
ESTL	ESTL	-34	-33	-32	-26	-28	-24	-37	-24	-20	-22	-27	-33	-29	-27	-25	-14	-14	-11	-23	-14	-26	-10	-11	-14

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																								
KHTC	BLK1	-23	-24	-27	-23	-19	-20	-19	-18	-17	-18	-20	-19	-18	-17	-19	-15	-18	-20	-23	-25	-27	-30	-31	-35	-36	-32	-36	-41	-44	-43	-43	-45	-42	-35	-37	-36	-35	-35	-33	-34	-34	-31	-31	-77	-84	-83		
PCUF	CUFG	23	24	23	23	22	24	23	24	24	23	23	23	24	10	10	10	10	9	11	10	11	10	10	10	8	6	7	7	7	6	5	6	7	9	7	7	9	12	12	12	12	10	11	11	10	11	10	10
PCUF	CUFK	15	15	13	12	16	16	15	14	13	15	14	14	15	15	15	16	16	16	17	14	14	16	15	16	16	15	14	15	15	12	17	17	16	14	15	16	16	15	16	15	15	16	15	16	14	15		
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			
Total Co-Gen		-15	-14	-19	-10	-5	0	-14	0	4	2	-6	-11	-4	-17	-16	-2	-3	3	-10	-3	-19	-7	-8	-15	-28	-24	-26	-32	-37	-40	-38	-41	-32	-33	-35	-30	-27	-20	-17	-20	-25	-17	-16	-11	-18	-59	-70	-66
Total Gen		16191	15815	15501	15196	14934	14571	14323	14180	13964	13773	13534	13449	13402	13392	13024	12483	12352	12514	12714	12911	13123	13398	13623	13743	13682	13694	13781	14056	14154	14339	14533	14913	14955	15095	15068	14945	14957	14947	15675	16687	16829	17026	16926	16955	16832	16702	16529	16279
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		-30	-29	-29	-31	-28	-28	-30	-28	-30	-30	-28	-28	-27	-30	-29	-29	-30	-30	-29	-29	-31	-31	-29	-29	-30	-30	-29	-30	-30	-31	-31	-30	-30	-31	-31	-29	-30	-28	-30	-31	-30	-29	-29	-29	-29	-29		
TIE-PLTG		21	24	-3	13	13	-17	-15	5	-7	-14	2	7	1	10	19	16	19	7	-6	-31	-25	4	-13	31	8	-1	-30	-46	-52	-24	-3	-2	-17	-19	2	18	14	5	4	17	5	18	29	24	36	31	55	39
Interconnection		-9	-5	-32	-18	-15	-45	-46	-22	-38	-44	-27	-21	-27	-20	-10	-12	-11	-23	-36	-60	-56	-27	-42	2	-22	-30	-59	-76	-82	-54	-34	-32	-46	-48	-29	-13	-15	-25	-24	-13	-26	-12	0	-5	7	2	26	9
System Total		16200	15820	15533	15214	14949	14616	14369	14202	14002	13817	13561	13470	13429	13412	13034	12495	12363	12537	12750	12971	13179	13425	13665	13741	13704	13724	13840	14132	14236	14393	14567	14945	15001	15143	15097	14958	14972	14972	15699	16700	16855	17038	16926	16960	16825	16700	16503	16270
SRev ST-Coal		136	175	160	163	150	188	229	349	393	390	387	451	414	412	410	444	446	442	430	387	409	414	390	409	399	414	401	409	411	410	402	398	318	318	328	320	294	305	210	155	168	181	167	183	161	141	175	189
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		588	887	792	857	1056	1353	1544	1495	1671	1858	2094	2079	2132	2149	2496	3020	2989	2931	2875	2885	2876	2766	2680	2542	2575	2719	2692	2231	2173	2084	1843	1450	1324	1179	1079	1281	1206	1492	1141	479	354	271	350	354	436	497	610	609
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		0	0	0	-1	-1	0	0	0	0	-1	0	0	0	0	0	-1	0	0	0	0	0	2	1	0	0	0	0	-2	0	0	0	1	1	2	0	1	3	0	0	0	1	0	1	0	1	-1	0	
Syncon		739	978	978	978	978	978	978	978	978	827	978	827	978	978	978	978	1079	1079	928	827	978	978	978	978	978	978	978	978	978	827	978	978	978	978	978	978	978	640	428	277	428	428	428	428	428	802		
Hydro		429	142	79	105	138	121	123	121	118	123	123	254	131	262	138	146	304	271	256	360	393	200	147	198	206	270	148	111	141	119	316	149	153	138	158	156	155	157	322	345	461	341	377	333	389	437	452	319
S.Reserve Total		1892	2182	2009	2102	2321	2640	2874	2943	3159	3349	3582	3611	3655	3650	4022	4587	4717	4723	4640	4560	4505	4360	4196	4127	4158	4230	4219	3727	3703	3591	3388	2976	2774	2615	2543	2736	2636	2932	2313	1407	1261	1221	1323	1298	1414	1504	1664	1919