

Daily System Generation Summary on Sunday

Sunday, May 14, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	2,275 MW
Total IPP	18,456 MW
Total Co-Gen	0 MW
Total System	21,858 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,068	2.79 %
Gas	19,148	5.31 %
Total TNB	29,216	8.11 %
ST-Coal	245,790	68.19 %
ST-Gas	3,521	0.98 %
LSS	6,164	1.71 %
Gas	76,807	21.31 %
Total IPP	332,282	92.18 %
Co-Gen	-162	-0.04 %
Total Co-Gen	-162	-0.04 %
Total Generation	361,336	100.24 %
PLTG	115	0.03 %
EGAT	5	0.00 %
HVDC	759	0.21 %
Interconnection	879	0.24 %
Net Energy	360,457	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:	00:00:00 Hour
Total Set On Bus	18,688 MW
TNB Generation	1,611 MW
IPP Generation	15,334 MW
Spinning Reserve	1,749 MW
Maximum Demand	16,897 MW
Net Energy	360,457 MWH
Load Factor	88.89 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,542
Hydro	294
Syncon	809
Thermal	241
Total	2,886

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	11
Total TNB	40
CBPS	41
EMPP	234
KLPP	37
NPRI	124
PCGP	78
SPGP	90
PKLG	36
Total IPP	640
Total Gas	680
Total Gas Required	680

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Time Weather Temperature

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	16897	16114	15604	15081	14524	14251	14111	13424	12837	13183	13813	14465	14634	14771	15254	15349	15368	15059	14694	15105	16473	16776	16549	16291

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 2, 2023 3:30:48 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	705	704	704	705	704	705	705	703	707	706	705	705	600	420	404	404	403	478	554	710	706	654	704	705	702	705	706	704	704	706	705	705	708	705	703	707	705	709	705	708	689	704	707	700	707	705		
JMAH	U002	706	706	705	708	704	706	706	705	708	705	704	707	708	704	613	429	406	406	403	425	614	696	708	705	705	704	705	707	705	705	704	711	704	704	704	703	706	705	701	702	707	705	702	703	704	713		
JMHE	U002	975	974	976	972	882	847	849	852	848	847	850	851	852	849	849	850	854	849	852	849	849	850	920	920	918	920	928	969	971	975	980	975	975	978	980	975	977	979	973	980	977	976	979	977	974	977	970	978
JMJG	U001	677	671	670	672	676	670	672	673	672	674	671	674	675	674	673	675	669	673	677	674	673	674	679	669	669	673	671	673	673	673	672	672	666	671	677	671	670	666	665	668	667	667	665	672				
JMJG	U002	680	672	676	674	678	675	676	672	676	673	677	679	673	676	673	676	679	678	671	673	671	677	677	673	676	674	660	667	673	656	592	601	597	593	623	671	672	677	677	673	669	678	667	673	675	671	674	
JMJG	U003	672	671	673	672	671	670	671	672	673	672	672	675	671	672	651	590	596	595	596	599	596	653	677	675	678	668	671	671	672	676	672	673	669	673	669	671	667	671	670	670	669	677	668	677	667	674	671	672
JMJG	U004	980	979	975	980	957	898	856	859	856	860	859	856	858	858	856	859	860	857	855	856	857	857	883	927	924	922	928	978	976	975	976	974	974	976	977	976	972	977	976	975	972	977	974	975	976	975	974	
JMJG	U005	978	976	978	976	931	849	848	853	850	848	850	849	851	848	848	854	848	848	850	849	852	849	918	920	918	920	925	983	983	979	981	980	977	982	982	975	965	976	973	981	976	977	976	974	975	977	973	978
PKLG	U003	275	274	277	277	276	276	274	274	276	275	275	275	274	266	161	157	153	150	151	150	150	150	150	155	230	273	275	277	279	276	277	278	276	276	276	275	277	276	275	275	273	275	274	276	275	275		
PKLG	U004	275	273	273	273	273	274	274	269	277	274	273	271	273	259	173	154	157	157	158	157	157	157	157	155	231	268	276	272	279	277	270	273	273	272	280	273	273	271	271	269	271	272	274	276	273	275	272	
PKLG	U005	468	465	467	466	470	468	466	465	466	464	468	469	466	443	349	288	268	268	269	269	268	269	269	267	268	276	330	361	357	358	359	359	359	359	359	357	358	359	360	359	359	358	359	358	359	358	359	
PKLG	U006	170	197	206	217	233	235	254	269	270	269	269	250	269	305	341	360	360	358	346	276	270	269	303	360	358	358	357	358	360	357	358	358	357	358	358	358	359	358	358	358	359	358	357	357	359	358		
TBIN	U001	700	691	696	697	695	697	697	695	696	702	697	698	697	697	696	696	653	648	696	700	699	698	696	696	697	697	698	700	695	702	700	704	701	698	697	697	697	699	696	699	697	699	698	697	698	700	700	
TBIN	U002	700	695	699	700	700	698	699	700	698	698	700	700	700	702	700	699	652	650	650	700	694	700	698	700	698	700	700	697	698	700	702	701	698	700	698	701	701	694	697	702	695	699	698	698	697	699	702	696
TBIN	U003	696	697	693	693	696	693	696	693	694	695	694	698	694	695	694	693	650	652	650	697	697	694	693	695	695	693	695	695	696	697	694	695	691	695	695	695	696	697	696	695	693	693	696	695	696	694	694	
TBIN	U004	982	983	982	982	955	868	855	855	852	853	853	851	852	853	855	854	851	854	854	853	856	853	905	923	922	923	929	983	983	982	983	982	984	949	814	753	752	754	744	753	752	752	753	753	751	751	754	
Total ST-Coal		1063910628106501066410501102291019810212102171021210219102091021810206 9734 9249 9064 9046 9079 9206 9453 9755 1003710096101441029510448106941069110700106261063310616105981048410468104361046810458104761044210460104321046310453104581045010474																																															
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		
PKLG	U001	147	147	147	146	146	146	146	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	146	147	147	147	146	147	147	147	146	146	146	146	146	147	146	146	147	147	147	147		
Total ST-Gas		147	147	147	146	146	146	146	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	146	147	147	146	147	147	146	146	146	146	146	146	147	146	146	147	147	147	147	147		
CBPS	BLK2	344	342	220	221	222	218	222	221	222	221	222	221	222	221	220	221	222	221	222	221	222	221	222	221	222	221	222	221	222	221	221	222	221	221	221	220	219	221	291	359	360	361	342	290	272	356		
EMPP	BLK1	710	724	708	709	709	710	657	573	492	460	411	397	397	408	405	392	396	371	375	374	374	371	373	375	374	373	374	378	375	377	376	378	414	410	406	414	413	419	686	666	662	697	656	662	712	708	709	
EMPP	BLK2	711	724	711	709	709	709	660	572	491	468	411	399	397	407	404	392	397	371	376	374	375	371	372	373	375	374	374	377	375	377	377	378	412	411	405	415	412	434	719	711	711	723	706	710	712	709	710	
EMPP	BLK3	711	725	711	708	709	710	655	571	489	467	410	399	397	408	404	392	397	371	375	375	375	371	372	375	374	374	374	375	378	374	378	377	377	460	423	405	421	411	468	718	711	711	722	706	710	711	709	710
GLGR	GT01	109	95	95	95	95	95	95	95	94	95	94	94	94	95	94	94	95	95	94	94	95	93	93	93	95	96	94	93	95	93	93	95	95	94	94	92	95	94	94	95	95	95	95	93	93	95	94	
GLGR	ST1C	48	43	43	42	42	42	42	42	42	42	42	41	42	42	42	41	41	42	42	42	42	41	41	42	42	42	42																					

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	
KNRG	HY03	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
KNYR	HY01	64	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	92	92	91	91	96	99	98	97	95	98	-1	-1	-1	-1
KNYR	HY02	100	100	61	61	61	62	65	62	61	61	60	56	58	94	94	94	93	93	98	100	100	99	99	97	99
KNYR	HY03	64	0	0	0	0	0	0	0	0	0	0	0	0	91	92	92	91	91	93	95	93	92	92	90	91
LPIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
LPIA	HY02	15	14	15	15	14	14	15	14	14	14	14	14	15	15	15	15	14	15	15	15	14	14	14	15	15
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	-1	-1	-1	-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	18	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY04	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0
SIHY	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
TMGR	HY01	86	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	HY02	90	47	0	40	40	40	40	40	40	40	42	45	43	42	46	45	46	46	45	45	45	46	46	45	46
TMGR	HY03	85	0	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	-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
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5
Total Hydro		742	289	204	330	243	244	267	243	242	242	241	236	240	464	461	459	455	438	467	495	492	469	468	482	469
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	0	0	0	0	0	0	0	0	0	0	0
BKLS	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	0
BSLS	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	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	0
GELS	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	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	0
JELS	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	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	0
KDLS	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	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	0
KMLS	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	0
KNLS	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	0
KRLS	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	0
MALS	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	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	0
MNLS	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	0
PKLS	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	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	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	0
STLS	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	0
TBLS	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	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	0
ESTL	ESTL	14	2	4	12	17	14	2	-22	-24	-16	-25	-15	-20	0	-2	1	0	12	13	9	10	5	12	12	11

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	-27	-22	-18	-18	-17	-16	-15	-18	-16	-14	-13	-14	-14	-13	-8	-6	-7	-10	-16	-17	-18	-18	-20	-22	-27	-26	-30	-23	-26	-29	-31	-31	-29	-27	-27	-21	-19	-19	-20	-17	-19	-18	-18	-17	-18	-18	-18	
PCUF	CUFG	4	3	4	3	3	3	3	4	2	3	4	3	4	4	4	4	4	3	3	2	3	4	4	2	3	3	4	3	2	4	3	4	4	4	4	3	5	4	3	3	6	5	7	7	19	17	3	
PCUF	CUFK	3	3	3	2	2	2	3	3	2	2	3	3	2	2	2	3	5	4	3	3	2	3	3	2	3	3	2	3	3	1	2	2	3	2	2	3	2	3	3	3	2	3	3	2	2	3	2	2
Total Co-Gen		-6	-14	-7	-1	5	3	-7	-33	-36	-25	-31	-23	-28	-8	-4	2	2	10	3	-2	-4	-7	-1	-4	-11	-6	-13	-2	-8	-12	-13	-21	-15	-17	-21	-1	-6	-4	-4	-2	-6	10	6	12	11	18	11	-13
Total Gen		16939	16522	16144	16047	15638	15378	15118	14829	14575	14521	14318	14227	14136	13986	13473	12971	12896	12991	13221	13488	13815	14163	14482	14609	14699	14656	14807	15004	15297	15381	15438	15465	15452	15304	15095	14605	14690	14615	15109	16160	16488	16691	16800	16680	16581	16467	16333	16140
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	30	33	33	31	31	31	32	32	31	31	32	30	30	30	30	30	31	31	33	30	30	31	31	32	32	34	35	34	33	33	33	33	31	33	33	32	32	32	30	29	30	31	31	31		
TIE-PLTG		11	-27	0	-1	1	23	5	8	20	53	35	32	-7	22	18	-4	28	14	7	-36	-30	-29	-13	8	34	-5	4	-19	8	59	55	56	50	-2	2	-23	-36	-47	-29	-39	-17	4	-8	28	3	4	11	4
Interconnection		42	5	30	32	34	54	37	39	51	85	67	63	25	54	49	26	59	44	38	-5	2	1	17	39	65	25	36	14	43	94	89	90	84	31	36	9	-4	-14	4	-7	15	35	24	58	32	34	42	35
System Total		16897	16517	16114	16015	15604	15324	15081	14790	14524	14436	14251	14164	14111	13932	13424	12945	12837	12947	13183	13493	13813	14162	14465	14570	14634	14631	14771	14990	15254	15287	15349	15375	15368	15273	15059	14596	14694	14629	15105	16167	16473	16656	16776	16622	16549	16433	16291	16105
SRev ST-Coal		243	204	182	188	343	488	482	490	473	474	477	482	478	526	742	693	807	822	790	713	730	577	524	495	451	453	383	167	160	151	135	128	145	163	197	133	165	133	143	125	159	141	169	138	168	143	151	147
SRev CCGT-Gas		190	165	457	546	711	698	940	1194	1449	1509	1712	1796	1895	2202	2244	2310	2293	2306	2278	2257	2269	2317	2288	2301	2244	2209	2218	2263	1954	1989	1978	1831	1656	1599	1637	2182	2150	2154	1692	788	477	296	219	316	443	450	464	658
SRev 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev ST-Gas		-7	-7	-7	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-7	-7	-7	-7	-6	-7	-7	-7	-6	-6	-6	-6	-6	-7	-6	-6	-7	34	34	33
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	0
SRev Co-Gen		54	44	36	36	34	32	30	80	80	60	76	58	68	26	20	12	14	20	32	34	36	36	40	44	54	52	60	46	52	58	62	62	58	54	54	42	38	38	40	34	38	36	36	34	36	36	36	36
Syncon		802	903	903	903	903	903	752	903	903	903	903	903	903	802	802	890	802	803	803	672	802	802	802	651	890	991	903	991	903	802	802	827	978	978	802	890	739	802	802	890	802	651	651	651	651	802	802	802
Hydro		467	120	118	166	166	165	293	166	167	167	168	173	169	146	149	150	155	123	119	242	115	118	119	256	117	144	144	146	139	184	153	269	100	103	132	147	310	181	105	112	212	376	336	371	333	201	194	193
S.Reserve Total		1749	1516	1728	1832	2237	2366	2577	2912	3151	3192	3415	3491	3680	3782	4037	4048	4151	4154	4102	3998	4072	3970	3940	3914	3836	3929	3875	3693	3376	3351	3297	3110	2931	2890	2989	3474	3483	3476	2950	2030	1682	1493	1405	1504	1624	1666	1768	1956