

Daily System Generation Summary on Sunday

Sunday, July 23, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,261 MW
Distillate	0 MW
Total TNB	2,261 MW
Total IPP	16,863 MW
Total Co-Gen	0 MW
Total System	23,126 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,553	4.62 %
Gas	47,639	14.15 %
Total TNB	63,192	18.77 %
ST-Coal	187,141	55.59 %
LSS	5,572	1.66 %
Gas	80,518	23.92 %
Total IPP	273,231	81.16 %
Co-Gen	-292	-0.09 %
Total Co-Gen	-292	-0.09 %
Total Generation	336,131	99.84 %
PLTG	166	0.05 %
EGAT	5	0.00 %
HVDC	-698	-0.21 %
Interconnection	-527	-0.16 %
Net Energy	336,658	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:	21:00:00 Hour
Total Set On Bus	17,449 MW
TNB Generation	3,499 MW
IPP Generation	12,783 MW
Spinning Reserve	1,199 MW
Maximum Demand	16,283 MW
Net Energy	336,658 MWH
Load Factor	86.15 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	384
Hydro	309
Syncon	675
Thermal	620
Total	1,988

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	108
Total TNB	140
CBPS	54
EMPP	202
NPRI	162
PCGP	88
SPGP	177
Total IPP	684
Total Gas	823
Total Gas Required	823

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	15565	14774	14170	13622	13227	13017	12939	12706	12086	12487	13131	13456	13452	13470	13758	14026	14097	14129	13950	14431	16072	16283	16005	15769

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 24, 2023 11:08:45 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																								
Total LSS		0	0	0	0	0	0	0	0	0	0	0	9	78	137	251	380	465	631	665	766	728	765	850	803	730	731	617	587	571	450	310	262	207	112	48	0	0	0	0	0	0	0	0	0				
ESTL	ESTL	-18	-17	-14	0	0	-11	-12	0	-7	-14	-19	-8	-9	-2	-15	0	0	0	0	0	-6	-4	0	0	0	0	0	-10	-15	-2	-18	-4	-7	-5	-3	-13	0	-2	-12	-16	-2	-8	-12	-11				
KHTC	BLK1	-26	-24	-25	-23	-24	-21	-22	-19	-16	-17	-18	-16	-16	-15	-15	-15	-20	-18	-22	-24	-26	-25	-30	-33	-31	-31	-35	-38	-35	-36	-35	-37	-39	-39	-42	-38	-38	-38	-36	-35	-34	-33	-33	-32	-30	-29	-27	
PCUF	CUFG	16	3	1	3	5	16	16	15	16	16	16	16	15	15	16	16	15	16	16	16	17	16	15	15	13	3	1	2	3	4	3	3	2	3	3	2	5	4	5	7	8	8	7					
PCUF	CUFK	19	20	21	25	24	27	24	24	17	10	9	10	8	8	8	7	7	7	7	6	5	5	3	3	2	2	3	3	4	3	4	3	4	3	4	3	4	5	5	6	6	5	7	7				
PFTZ	PFTZ	0	0	1	2	2	2	2	2	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		-9	-18	-16	7	8	10	9	19	11	0	-7	4	3	9	-3	13	12	-2	0	4	3	1	2	-4	-13	-10	-9	-13	-19	-26	-28	-36	-41	-30	-47	-35	-36	-33	-30	-40	-25	-22	-32	-34	-17	-21	-22	-20
Total Gen		15544	15069	14754	14438	14142	13888	13609	13433	13199	13087	12997	12863	12928	12857	12680	12144	12063	12283	12462	12695	13089	13407	13460	13650	13419	13387	13441	13608	13748	14011	14037	14111	14063	14159	14104	13927	13916	13940	14390	15358	16052	16229	16250	16192	15978	15852	15751	15404
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			
TIE-HVDC		-31	-30	-28	-29	-29	-31	-28	-28	-30	-30	-28	-29	-29	-31	-28	-28	-31	-31	-28	-28	-30	-30	-30	-28	-30	-28	-28	-29	-29	-30	-29	-29	-29	-29	-30	-31	-30	-27	-28	-28	-29	-30	-27	-30	-28			
TIE-PLTG		10	8	8	5	0	18	15	20	3	25	8	1	18	5	5	26	5	30	5	7	-14	30	34	44	-3	-33	1	-6	19	42	39	14	-6	5	4	-11	-5	-39	-11	4	7	7	-5	1	3	-19	12	-4
Interconnection		-21	-21	-20	-23	-28	-12	-13	-8	-28	-6	-20	-28	-11	-23	-26	-2	-23	-1	-25	-21	-42	2	4	14	-33	-61	-29	-34	-10	14	11	-16	-34	-24	-25	-39	-34	-69	-41	-25	-20	-21	-33	-28	-27	-46	-18	-32
System Total		15565	15090	14774	14461	14170	13900	13622	13441	13227	13093	13017	12891	12939	12880	12706	12146	12086	12284	12487	12716	13131	13405	13456	13636	13452	13448	13470	13642	13758	13997	14026	14127	14097	14183	14129	13966	13950	14009	14431	15383	16072	16250	16283	16220	16005	15898	15769	15436
SRev ST-Coal		161	161	147	161	408	537	514	541	536	674	681	676	726	847	776	788	850	846	843	854	862	907	928	876	843	850	870	819	739	750	810	703	666	663	651	632	652	622	643	298	222	219	198	194	243	213	186	183
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		
SRev CCGT-Gas		190	544	546	689	561	595	647	548	678	675	555	666	568	638	766	883	801	651	560	596	462	428	421	424	682	753	749	470	420	318	328	340	385	330	342	575	579	638	456	281	128	143	142	194	252	367	372	441
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		
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		
SRev Co-Gen		1	-2	0	0	-2	0	0	1	0	-2	0	1	1	0	0	0	0	0	3	1	1	1	0	2	-1	0	3	1	2	0	0	0	0	0	1	3	0	1	0	0	1	1	0	0	2	-1	0	2
Syncon		374	374	651	890	802	802	802	890	802	928	1016	928	928	777	865	1016	928	928	1016	928	928	1016	928	928	1016	778	866	928	338	525	651	651	802	802	1016	928	928	928	928	525	338	338	338	651	651	651	777	
Hydro		744	776	617	480	478	445	467	429	466	480	375	401	376	236	404	580	304	118	111	108	65	161	111	112	128	121	125	112	94	264	283	305	378	144	186	146	148	116	111	153	349	530	521	529	374	323	332	251
S.Reserve Total		1470	1853	2055	2314	2428	2560	2611	2502	2664	2810	2720	2854	2780	2830	2904	3210	3058	2717	2619	2575	2405	2425	2476	2429	2667	2740	2612	2268	2270	1670	1946	2086	2167	2026	2069	2459	2481	2479	2312	1834	1225	1231	1199	1255	1609	1640	1628	1741