

Daily System Generation Summary on Monday

Monday, September 25, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,999 MW
Distillate	0 MW
Total TNB	1,999 MW
Total IPP	17,907 MW
Total Co-Gen	0 MW
Total System	23,205 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,014	4.30 %
Gas	46,308	12.42 %
Total TNB	62,322	16.72 %
ST-Coal	209,976	56.32 %
LSS	3,923	1.05 %
Gas	95,495	25.61 %
Total IPP	309,394	82.99 %
Co-Gen	217	0.06 %
Total Co-Gen	217	0.06 %
Total Generation	371,933	99.76 %
PLTG	-194	-0.05 %
HVDC	-703	-0.19 %
Interconnection	-897	-0.24 %
Net Energy	372,830	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:	16:30:00 Hour
Total Set On Bus	18,753 MW
TNB Generation	3,251 MW
IPP Generation	14,359 MW
Spinning Reserve	1,150 MW
Maximum Demand	17,632 MW
Net Energy	372,830 MWH
Load Factor	88.10 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	527
Hydro	362
Syncon	465
Thermal	177
Total	1,531

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Rainy	24

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	63
Total TNB	92
CBPS	43
EMPP	283
KLPP	22
NPRI	139
PCGP	89
PLPS	49
SPGP	209
Total IPP	833
Total Gas	925

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 925

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	14473	13846	13307	12925	12580	12505	12928	13144	13914	15756	16552	17067	16727	16315	16915	17382	17504	17328	16439	16698	17495	17253	16763	16305

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 2, 2023 10:53:41 AM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

[illegible]

Daily MW Generation on Monday

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
HTRG	HY03	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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	24	24	23	23	23
KNRG	HY03	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	19	19	19	21	22	22
KNYR	HY01	96	96	96	96	96	96	96	96	96	96	96	95	95	95	95	95	95	95	95	95	95	95	95	95
KNYR	HY02	0	0	0	0	20	21	20	20	60	82	-1	0	19	95	95	95	95	95	95	95	95	95	95	95
KNYR	HY03	99	98	98	98	98	99	99	99	99	99	99	99	99	98	98	99	99	99	99	99	99	99	99	99
KNYR	HY04	98	98	98	98	98	97	97	98	98	97	97	97	97	97	97	97	96	97	97	97	96	96	97	97
LPIA	HY02	26	26	26	26	26	26	26	27	26	26	27	27	27	27	27	27	27	27	27	27	26	27	27	27
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	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	149	21	-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	19	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	22	23	22	0	0	0	21	21	21	0	19	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	21	21	22	22	22	21	21
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25
TMGR	HY01	-1	-1	-1	0	-1	0	0	-1	0	0	0	0	-1	33	0	0	-1	0	-1	79	34	0	34	0
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	36	37	35	0	0	0	85	34	86	40	34	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	
TMGR	HY04	41	48	41	41	42	41	41	41	44	47	52	45	57	41	44	45	44	44	70	53	66	43	41	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	95	89	-1	-1	-1	-1	183	141	100	99
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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		454	460	453	454	494	475	474	479	519	545	468	464	494	553	573	556	553	573	581	565	813	880	795	624
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	1	1	1	3	6	5	8	11	12	13	16
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	10	13	3	7	7	10	7	4
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	4	16	0	2	6	11	17	15
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	2	4	6	12	14	16	15	18
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	12	15	19	25	28	33	39
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	7	8	11	25	22	24	30	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	11	5	2	12	16	24	26	12
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	19	8	9	12	32	24	24	23
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	17	13	11	22	20	21	25	32	26	31
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	17	30	18	45	7	4	12	27	37	40
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	14	17	11	10	3	6	14	28	8
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	13	13	2	2	5	11	15	8
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	9	15	18	9	13	8	2	7	17	14	19
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	5	2	3	1	1	2	6	4	5
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	7	12	5	17	33	33	29	33	33	29	28
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	13	10	14	19	26	34	36	47
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	15	24	18	24	40	55	62	66	89
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	15	35	45	56	50	50	55	76	96	107	97
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	10	4	7	2	8	5	16	17
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	5	8	7	10	13	31	55
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	8	14	14	9	6	7	9
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	6	9	11	14	19	17	18	25	27

Daily MW Generation on Monday

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	
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	11	13	20	26	30	26	20	26	30	17	30	9	15	16	2	8	9	10	7	1	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	10	74	173	247	267	363	310	366	440	545	669	667	688	682	479	413	400	330	290	161	123	107	44	5	5	0	0	0	0	0	0	0	0
ESTL	ESTL	-12	-15	-17	-8	-16	-15	-4	0	-7	0	-2	0	0	-6	0	0	1	0	0	0	11	13	12	14	15	0	0	2	0	0	0	0	0	0	10	9	8	8	7	0	0	0	0	8	0	0	0	0
KHTC	BLK1	-24	-23	-23	-23	-21	-20	-19	-22	-20	-21	-20	-20	-20	-25	-25	-28	-33	-35	-39	-42	-46	-44	-43	-39	-43	-42	-40	-45	-43	-41	-45	-43	-42	-36	-35	-33	-29	-29	-28	-29	-27	-27	-25	-24	-22	-23		
PCUF	CUFG	19	18	19	18	18	19	17	17	17	16	17	16	15	17	19	17	18	17	15	15	16	22	22	22	20	19	16	18	19	20	20	20	18	17	20	21	22	21	22	22	23	23	11	13	13	13	13	
PCUF	CUFK	20	18	21	20	17	16	14	14	14	15	14	14	14	16	15	16	16	14	14	15	16	14	13	15	14	14	16	13	14	14	14	17	13	12	14	14	15	15	15	15	26	25	24	25	24	25	27	
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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 Co-Gen		8	3	5	12	3	5	13	14	9	15	13	15	14	12	14	13	12	3	-1	-4	6	8	8	13	17	-4	-3	-5	-1	-8	-4	-2	-3	-7	2	12	13	17	19	13	14	25	26	21	18	18	21	22
Total Gen		14416	14104	13758	13472	13258	13026	12885	12617	12539	12434	12461	12594	12887	13124	13105	13203	13886	14946	15723	16223	16501	16888	17044	17080	16657	16389	16262	16668	16913	17313	17343	17248	17448	17603	17319	16869	16412	16245	16658	17562	17477	17436	17241	17053	16734	16540	16253	15907
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	0	
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-31	-31	-31	-31	-28	-28	-30	-29	-29	-28	-30	-29	-29	-30	-30	-29	-31	-28	-27	-29	-29	-30	-29	-28	-29	
TIE-PLTG		-28	-10	-57	-20	-20	-16	-11	-24	-11	-12	-17	-26	-12	-11	-10	-5	2	7	-3	0	-22	-45	6	5	-39	-19	-22	1	26	38	-9	-38	-27	-1	19	28	2	-17	-11	25	10	5	17	3	2	-2	-24	-17
Interconnection		-57	-41	-88	-50	-49	-45	-40	-54	-41	-40	-44	-54	-41	-40	-39	-35	-28	-23	-33	-29	-51	-75	-23	-24	-70	-50	-53	-30	-2	10	-39	-68	-56	-29	-9	-2	-27	-46	-40	-6	-18	-23	-12	-26	-29	-31	-52	-45
System Total		14473	14145	13846	13522	13307	13071	12925	12671	12580	12474	12505	12648	12928	13164	13144	13238	13914	14969	15756	16252	16552	16963	17067	17104	16727	16439	16315	16698	16915	17303	17382	17316	17504	17632	17328	16871	16439	16291	16698	17568	17495	17459	17253	17079	16763	16571	16305	15952
SRev ST-Coal		397	485	504	566	633	823	818	809	802	815	815	790	800	792	770	623	613	325	215	163	183	179	185	174	180	160	178	163	176	162	174	176	175	178	171	180	166	209	239	181	174	168	186	170	180	167	171	175
SRev CCGT-Gas		702	919	1230	1353	1505	1359	1455	1559	1481	1487	1495	1306	1135	1064	1547	1663	1826	1797	1077	654	446	260	364	407	762	1151	1481	1129	919	419	644	593	465	338	468	649	974	1015	861	344	227	260	373	554	784	715	968	722
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	0
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		0	0	0	0	1	-2	-1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	-2	1	-1	-2	0	-1	0
Syncon		703	703	553	615	552	615	615	703	615	703	615	716	615	703	553	464	615	615	552	615	615	516	428	428	615	615	615	552	615	615	516	278	516	428	428	428	703	615	428	277	277	126	428	428	428	615	615	615
Hydro		85	79	86	86	296	165	165	165	161	120	95	71	163	232	173	218	84	87	217	59	75	375	460	458	80	82	82	212	80	98	184	318	200	198	239	234	177	115	192	419	537	713	389	170	230	102	135	241
S.Reserve Total		1974	2273	2460	2794	3074	3134	3226	3323	3233	3212	3194	3058	2900	2791	3043	3142	3312	2998	2148	1665	1493	1331	1437	1554	1811	2182	2530	2143	1964	1468	1525	1460	1364	1150	1314	1586	2029	2137	1903	1229	1310	1360	1472	1503	1794	1773	2062	1840