

Daily System Generation Summary on Monday

Monday, July 10, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,036 MW
Distillate	0 MW
Total TNB	2,036 MW
Total IPP	18,195 MW
Total Co-Gen	0 MW
Total System	24,233 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,466	4.14 %
Gas	52,360	14.02 %
Total TNB	67,826	18.16 %
ST-Coal	213,005	57.04 %
LSS	5,895	1.58 %
Gas	86,851	23.26 %
Total IPP	305,751	81.87 %
Co-Gen	140	0.04 %
Total Co-Gen	140	0.04 %
Total Generation	373,717	100.07 %
PLTG	-198	-0.05 %
EGAT	6	0.00 %
HVDC	463	0.12 %
Interconnection	271	0.07 %
Net Energy	373,446	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	18,690 MW
TNB Generation	3,926 MW
IPP Generation	13,834 MW
Spinning Reserve	910 MW
Maximum Demand	17,774 MW
Net Energy	373,446 MWH
Load Factor	87.55 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	467
Hydro	372
Syncon	572
Thermal	176
Total	1,587

Gas Usage

Station	(mmscfd)
GLGR	56
SRDG	2
TJGS	84
Total TNB	142
CBPS	44
EMPP	283
NPRI	139
PCGP	86
SPGP	208
Total IPP	762
Total Gas	904
Total Gas Required	904

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	14756	14063	13503	13059	12686	12418	12717	13004	13482	15239	16113	16593	16571	16427	17194	17568	17670	17508	16475	16396	17633	17732	17238	16952

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 11, 2023 8:21:48 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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			
JMAH	U001	503	506	506	505	352	354	355	469	682	708	704	704	708	705	702	708	707	706	705	705	705	708	705	705	707	706	
JMAH	U002	704	703	702	701	706	706	707	704	703	704	702	708	701	707	705	708	706	706	706	709	702	700	705	703	703	705	702
JMHE	U001	974	930	880	881	881	882	783	699	704	701	701	699	703	701	703	703	793	884	976	978	981	980	980	981	981	986	981
JMHE	U002	498	498	501	501	498	501	499	499	499	499	500	499	500	499	502	502	497	498	500	501	498	500	502	501	501	501	500
JMJG	U002	541	544	541	540	550	619	674	683	677	680	680	682	679	678	681	679	683	678	681	678	682	678	679	618	596	601	603
JMJG	U003	684	676	686	682	679	685	685	674	678	675	675	685	675	679	677	674	688	678	677	679	676	689	673	640	585	619	656
JMJG	U004	977	927	904	881	879	879	832	833	829	803	804	805	806	805	803	801	805	846	906	964	977	977	977	977	975	977	976
JMJG	U005	980	930	885	881	881	878	830	829	830	798	801	804	799	797	801	801	799	914	986	982	980	983	982	982	981	979	981
PKLG	U003	156	156	155	155	151	151	151	150	151	150	152	150	151	151	151	151	151	150	150	150	150	150	151	149	151	151	151
PKLG	U005	268	268	261	267	263	266	269	269	269	270	267	285	277	267	269	269	269	269	269	269	268	269	268	269	271	240	273
PKLG	U006	269	268	263	269	267	261	269	270	268	268	267	269	280	269	269	269	268	268	268	268	269	270	269	273	302	390	445
TBIN	U001	209	211	210	210	210	209	210	211	211	209	210	209	212	209	243	343	529	702	707	696	697	695	697	696	698	694	697
TBIN	U003	449	385	261	210	211	210	210	209	210	209	211	210	211	318	473	698	705	695	689	690	693	686	695	692	696	694	695
TBIN	U004	982	932	901	883	885	881	834	833	830	801	801	804	803	803	803	802	803	872	965	984	983	982	983	983	985	981	983
Total ST-Coal		8194	7934	7656	7566	7413	7482	7308	7332	7541	7475	7475	7513	7508	7590	7776	8107	8406	8866	9184	9252	9263	9267	9260	9226	9212	9304	9434
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
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
CBPS	BLK2	306	296	222	221	223	221	221	221	221	222	221	223	222	221	221	221	222	221	221	220	221	321	299	221	221	221	221
EMPP	BLK1	681	690	708	698	714	431	414	410	409	393	409	405	412	407	407	408	411	497	544	665	714	709	710	710	711	712	711
EMPP	BLK2	681	689	711	704	713	694	711	608	421	392	447	405	442	406	407	408	417	503	538	665	706	709	710	711	710	711	711
EMPP	BLK3	681	690	708	703	712	692	710	609	416	392	447	405	438	406	408	408	417	503	539	665	706	708	710	710	710	711	710
GLGR	GT01	106	84	84	84	84	84	84	83	83	83	84	83	85	83	84	84	85	85	84	84	84	83	84	83	85	84	85
GLGR	GT02	106	83	83	84	85	84	83	83	83	84	84	83	84	84	83	84	84	84	84	84	83	83	83	83	83	83	83
GLGR	ST1C	96	84	83	84	83	84	84	84	84	82	84	84	85	84	83	84	83	83	83	83	83	83	83	83	83	83	83
NPRI	BLK1	505	505	460	330	334	330	332	332	326	314	332	323	334	332	327	326	332	332	332	333	339	446	509	458	482	399	334
NPRI	BLK2	514	518	526	521	331	326	327	328	320	308	327	318	327	326	319	320	329	326	329	328	338	443	493	450	472	371	326
PCGP	PGRG	585	592	601	595	603	600	606	603	594	479	404	398	507	601	593	395	502	603	605	601	608	603	601	603	602	607	603
SPGP	BLK1	720	721	718	721	721	721	720	717	720	720	720	720	719	721	597	596	714	714	712	714	712	713	713	713	713	714	713
SPGP	BLK2	720	721	720	721	718	720	719	719	719	720	721	722	722	720	719	599	598	715	715	715	716	716	714	714	716	714	716
TJGS	GT1A	231	135	134	138	135	138	136	137	136	126	140	137	137	136	135	134	136	136	138	139	140	138	138	135	139	137	134
TJGS	ST1C	119	79	79	78	77	77	77	76	77	74	77	77	77	78	78	76	77	78	78	78	78	79	79	79	78	79	78
TJGS	GT2B	0	0	0	0	0	0	0	0	0	41	40	60	119	214	160	161	161	161	161	161	161	161	161	160	161	161	161
TJGS	ST2C	0	0	0	0	0	0	0	0	0	0	51	76	102	92	93	93	93	94	94	94	94	94	94	94	94	94	94
Total CCGT-Gas		6051	5887	5837	5682	5533	5202	5224	5010	4609	4429	4538	4492	4788	4920	4837	4398	4542	5134	5260	5629	5787	5990	6102	6109	6138	5877	5762
SRDG		0	0	0	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 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
BSIA	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	11	11
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	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	0	0
CEND	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	HY03	6	6	7	6	7	6	7	7	6	6	7	6	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7
HTRG	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	-1	-1
HTRG	HY03	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
HTRG	HY04	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
KNRG	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	0	0
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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		
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	39	39	39	39	38	38	38	21	
KNYR	HY02	97	95	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	96	96	
KNYR	HY03	94	93	94	93	93	92	91	91	91	90	92	92	93	94	94	93	92	91	92	93	92	92	93	93	94	
KNYR	HY04	98	95	100	99	100	99	99	100	100	96	100	99	100	100	100	100	100	100	100	100	99	99	100	100	97	
LPIA	HY01	15	15	15	15	15	15	10	9	9	9	9	9	9	9	9	9	11	11	11	12	14	14	15	15	15	
LPIA	HY02	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	11	11	11	12	12	12	11	11	0	
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	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	18	20	-1	
PGAU	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	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	0	
SIHY	HY01	50	50	49	50	49	50	50	50	50	0	0	0	0	0	0	0	0	0	30	50	50	31	31	50	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	47	50	50	31	16	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	49	50	50	31	31	0	
SYPS	HY01	23	23	23	23	23	23	23	23	23	0	0	0	0	0	0	0	0	0	16	24	25	25	17	0	0	0
SYPS	HY03	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	17	25	25	25	17	17	25	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	24	25	25	17	17	25	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	36	36	36	-1	-1	-1	-1
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	84	35	35	34	34	79	-1
TMGR	HY04	38	40	48	41	41	42	42	41	42	38	42	40	41	41	40	43	46	41	42	43	41	41	45	43	60	0
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	92	93	93	93	89	91	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	94	93	95	95	94	91	-1
UPIA	HY02	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	6	6	6
Total Hydro		513	530	526	517	518	510	510	504	503	506	407	403	407	426	406	392	409	413	408	408	407	405	429	505	408	428
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	6	6	13	16	19	22
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	7	17	21	23	23
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	15	18	22	23	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	14	20	26	28	29
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	14	20	23	23	23
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	10	15	18	21	16
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	18	23	28	32	35
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	17	22	24	24	14
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	16	23	28	21	31
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	10	33	45	56	65	72	82
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	12	20	25	30	19	43
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	12	17	21	21	23
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	10	18	41	60	81	89	81
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	6	10	20	24	26	29
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	8	11	17	29	26
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	20	23	29	34	38
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	57	75	79	85	54	66
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	28	44	59	69	85	96	100
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13	10	19	23	40	41	48
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12	18	23	31	38	37
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	6	15	21	21	29
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	11	15	17	20	19
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	13	20	29	30	30	30

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0