

Daily System Generation Summary on Friday

Friday, October 13, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,201 MW
Distillate	0 MW
Total TNB	2,201 MW
Total IPP	17,134 MW
Total Co-Gen	0 MW
Total System	23,337 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,193	5.12 %
Gas	60,143	15.26 %
Total TNB	80,336	20.38 %
ST-Coal	215,527	54.68 %
LSS	6,929	1.76 %
Gas	91,520	23.22 %
Total IPP	313,976	79.66 %
Co-Gen	-1,074	-0.27 %
Total Co-Gen	-1,074	-0.27 %
Total Generation	393,238	99.77 %
PLTG	-195	-0.05 %
HVDC	-701	-0.18 %
Interconnection	-896	-0.23 %
Net Energy	394,134	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:	16:00:00 Hour
Total Set On Bus	19,842 MW
TNB Generation	4,146 MW
IPP Generation	14,532 MW
Spinning Reserve	1,264 MW
Maximum Demand	18,604 MW
Net Energy	394,134 MWH
Load Factor	88.27 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	786
Hydro	282
Syncon	615
Thermal	182
Total	1,865

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	34
TJGS	174
Total TNB	208
CBPS	45
EMPP	273
KLPP	58
NPRI	136
PCGP	82
PLPS	7
SPGP	194
Total IPP	794
Total Gas	1,001
Total Gas Required	1,001

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	16423	15602	14973	14526	14138	13850	13972	13750	14154	15695	16494	17055	17128	16839	17388	18214	18604	18392	17458	17547	18260	18110	17655	17376

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 30, 2023 11:47:21 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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	696	697	696	696	697	694	695	697	697	695	696	696	695	695	695	695	698	700	696	697	696	696	696	696
JMAH	U002	692	695	694	697	695	694	695	694	693	697	694	695	696	696	695	695	696	699	696	696	695	693	696	694
JMHE	U002	977	978	978	979	982	980	979	878	880	878	880	878	877	879	876	878	904	975	976	979	981	978	980	977
JMJG	U001	668	675	677	666	674	668	666	673	675	672	688	674	664	677	677	673	674	671	669	673	668	667	662	664
JMJG	U002	674	674	672	676	680	664	667	670	666	669	668	671	674	669	666	674	672	672	673	676	677	673	383	388
JMJG	U003	656	666	662	678	660	671	664	684	656	682	670	669	667	672	667	668	671	670	667	671	667	662	686	653
JMJG	U005	980	979	979	979	978	978	981	933	879	880	879	881	879	881	881	879	901	985	982	1006	1008	1005	1007	1010
PKLG	U003	278	277	277	277	277	277	277	278	277	276	276	278	277	279	277	278	278	279	277	277	276	277	277	279
PKLG	U004	275	274	275	275	273	273	276	272	273	271	274	276	274	273	275	268	272	274	275	275	274	276	274	270
PKLG	U005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	85	85	85	85	135	155	155	155	155
TBIN	U001	688	689	690	689	687	690	691	691	690	691	689	692	690	689	688	688	686	690	686	689	688	689	688	691
TBIN	U002	689	690	693	690	691	686	688	689	687	689	690	687	690	688	688	690	691	689	688	689	687	689	687	688
TBIN	U003	685	687	684	688	688	685	686	687	686	686	688	687	688	687	686	686	686	687	689	684	684	687	688	686
TBIN	U004	982	982	983	984	983	981	981	963	921	884	884	883	883	883	882	893	937	983	983	982	982	983	982	985
Total ST-Coal		8940	8963	8960	8974	8965	8941	8946	8809	8680	8670	8666	8667	8655	8670	8684	8682	8808	8999	9043	9077	9081	9066	9064	9118
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
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
CBPS	BLK2	355	248	211	208	205	211	205	212	208	210	203	205	208	212	202	205	205	212	211	212	212	209	212	345
EMPP	BLK1	681	702	501	409	406	431	410	430	414	426	400	410	421	431	400	410	407	411	516	584	646	708	708	703
EMPP	BLK2	685	701	656	595	404	432	410	433	412	425	402	410	419	433	400	410	406	410	516	583	646	706	706	714
EMPP	BLK3	684	700	658	596	404	420	406	415	406	410	401	407	411	504	399	406	408	414	516	584	644	709	708	705
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLGR	GT02	94	94	94	94	95	95	94	94	95	95	95	94	94	94	94	94	94	95	94	94	94	94	94	94
GLGR	ST1C	42	42	42	42	41	42	41	41	42	41	42	42	41	42	42	42	41	41	42	42	41	42	47	48
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	116	116	116	116	116	116	116	116	116	115	116	116	116	115	116	114	109	112	113	109	110	107	113	109
KLPP	ST17	65	65	65	65	64	65	65	64	64	64	64	65	65	66	64	64	62	62	64	63	63	62	63	62
NPRI	BLK1	503	305	308	305	300	308	299	308	303	307	299	298	304	310	296	299	309	308	308	308	470	513	509	509
NPRI	BLK2	509	328	330	326	320	331	322	331	325	329	319	320	326	332	317	320	331	331	331	331	394	476	517	452
PCGP	PGRG	581	597	601	594	586	401	389	401	392	401	393	395	392	401	392	393	393	451	602	603	604	600	603	597
PLPS	GT13	135	135	135	135	135	135	135	135	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	58	58	58	58	58	58	58	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK1	708	717	718	714	708	601	590	500	493	500	489	491	497	501	486	392	590	719	720	720	717	716	715	703
SPGP	BLK2	700	711	714	710	702	600	589	500	492	500	489	491	496	499	486	393	392	708	709	713	710	707	705	692
TJGS	GT1A	123	128	125	126	129	127	125	129	124	127	123	125	127	128	120	127	128	128	128	125	127	125	126	127
TJGS	GT1B	109	113	114	117	115	113	110	116	115	116	111	115	118	114	109	113	116	116	114	113	116	116	112	113
TJGS	ST1C	167	165	164	164	160	163	163	159	164	163	161	162	162	162	163	163	163	164	164	164	164	164	165	165
TJGS	GT2A	131	131	131	132	131	131	131	130	131	131	131	131	132	131	132	131	132	131	130	131	131	130	132	131
TJGS	GT2B	129	129	128	129	129	128	129	129	129	129	129	129	129	129	129	129	129	128	129	128	128	128	128	129
TJGS	ST2C	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191
Total CCGT-Gas		6766	6376	6060	5826	5399	5099	4978	4892	4809	4680	4558	4597	4651	4794	4538	4396	4596	5136	5600	5799	5983	6381	6514	6646
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
BSIA	HY01	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	23	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	22	23	23	22	23	23	23	23	22	23	22	23	23	22	22	23	23	23	23	23	23	23	23	22
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Daily MW Generation on Friday

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
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	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	HY01	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	68	68	68	68
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	120	121	121	121	120	119	120	118
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HTRG	HY04	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	4
KNRG	HY01	37	38	38	38	38	37	38	37	38	37	37	37	37	37	37	37	37	37	37	37	24	25	24	24
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	24	25	24	24	24
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	20	20	20	20	20
KNYR	HY01	95	94	94	94	94	94	95	95	94	95	95	94	94	94	94	94	94	94	94	94	94	94	94	94
KNYR	HY02	99	99	98	99	99	98	99	99	99	98	99	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY03	94	98	96	96	93	98	98	95	97	96	96	96	99	99	99	98	98	98	98	97	95	101	100	98
KNYR	HY04	56	60	71	60	56	74	59	61	59	60	57	58	58	100	58	57	95	100	100	100	100	96	95	92
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	20	20	20	20
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	-1	-1	-1	-1	-1	16	-1	-1	-1	-1	19	-1	-1	-1	20	23	23	112	112	112
PGAU	HY02	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	114	114	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	108	107	22	22	22	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	25	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	34	34	33	34	-1	-1	-1
TMGR	HY02	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	74	84	84	84	35	35	35	
TMGR	HY03	0	0	0	0	0	0	32	32	30	31	32	32	0	0	0	0	0	0	0	78	80	79	79	
TMGR	HY04	39	41	41	41	40	42	41	41	42	42	39	40	42	44	38	40	40	42	41	41	41	50	40	42
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	96	96	98	94	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	99	101	96	-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		761	606	614	603	596	621	603	605	636	638	645	632	633	702	527	526	568	577	576	666	647	646	656	643
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	2	4	8	11	15	18	20	22	23	24	26	25
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	17	21	18	28	32	31	35	34	26
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	4	10	9	12	17	23	27	27	35	24
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	19	24	28	33	31	37	37	39	34
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	14	20	26	31	34	27	37	37	45	22
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	14	15	21	11	16	22	19	12	22
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	18	20	26	43	21	43	34	50
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	9	9	20	22	22	23	32	29	28
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	20	26	31	35	39	28	40	48	35
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	8	11	25	21	45	73	89	91	48	92	91
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	8	14	13	24	38	26	40	32	37	37
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	9	18	22	25	20	27	30	29	29
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	6	10	18	26	26	84	90	94	89	100	100	80
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	3	6	9	11	22	25	29	30	25	30	17
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	4	17	19	10	29	30	29	29	19	29	28

Daily MW Generation on Friday

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	
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	-40	-37	-40	-38	-38	-39	-37	-40	-40	-42	-44	-42	-40	-40	-41	-41	-35	-38	-32	-36	-35	-39	-46	-43	-34
KHTC	BLK1	-41	-46	-53	-51	-22	-22	-23	-22	-22	-24	-25	-25	-23	-24	-22	-23	-27	-30	-33	-39	-39	-40	-43	-45	-48
PCUF	CUFG	15	17	17	16	16	17	17	17	17	17	17	17	16	18	18	17	17	15	14	15	15	12	15	13	12
PCUF	CUFK	15	15	14	14	15	16	15	14	15	14	16	16	13	13	15	16	15	14	14	15	14	15	14	15	15
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5
Total Co-Gen		-47	-47	-58	-55	-25	-24	-24	-27	-26	-31	-32	-30	-32	-29	-25	-28	-32	-36	-39	-44	-38	-45	-43	-50	-62
Total Gen		16420	15898	15576	15348	14935	14637	14503	14279	14099	13957	13837	13866	13907	14137	13724	13633	14120	14986	15639	16050	16422	16782	16960	17194	17077
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
TIE-HVDC		-29	-29	-29	-29	-28	-28	-29	-28	-28	-29	-29	-30	-30	-29	-29	-30	-30	-30	-30	-29	-30	-31	-29	-29	-30
TIE-PLTG		26	-12	4	3	-10	-14	5	-28	-10	-2	16	-12	-35	-1	3	-19	-6	-18	-27	-49	-43	-31	-66	-43	-22
Interconnection		-3	-41	-26	-26	-38	-42	-23	-56	-39	-31	-13	-41	-65	-31	-26	-48	-34	-46	-56	-78	-72	-61	-95	-73	-51
System Total		16423	15939	15602	15374	14973	14679	14526	14335	14138	13988	13850	13907	13972	14168	13750	13681	14154	15032	15695	16128	16494	16843	17055	17267	17128
SRev ST-Coal		201	178	181	167	176	200	195	310	417	414	416	416	426	416	499	499	426	242	198	164	160	175	177	173	145
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
SRev CCGT-Gas		965	1355	1671	1905	2332	2632	2753	2839	2922	2834	2956	2917	2863	2720	2976	3118	2918	2378	1914	1715	1531	1133	1000	868	1102
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
SRev Co-Gen		0	-1	-1	0	0	-1	0	0	0	0	0	0	0	0	-1	-1	0	0	-1	0	0	1	-3	2	0
Syncon		739	978	978	978	978	978	978	978	827	978	978	978	827	978	978	978	978	827	978	978	978	978	978	978	978
Hydro		376	119	111	122	129	104	122	120	176	174	318	180	179	261	158	159	117	108	109	210	78	79	69	82	84
S.Reserve Total		2281	2629	2940	3172	3615	3913	4048	4247	4493	4400	4517	4491	4446	4224	4610	4753	4439	3706	3198	2916	2747	2366	2221	2103	2309