

Daily System Generation Summary on Friday

Friday, September 15, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,085 MW
Distillate	0 MW
Total TNB	2,085 MW
Total IPP	16,545 MW
Total Co-Gen	0 MW
Total System	22,632 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,255	6.66 %
Gas	58,410	14.83 %
Total TNB	84,665	21.49 %
ST-Coal	218,398	55.44 %
LSS	6,016	1.53 %
Gas	84,153	21.36 %
Total IPP	308,567	78.33 %
Co-Gen	-71	-0.02 %
Total Co-Gen	-71	-0.02 %
Total Generation	393,161	99.81 %
PLTG	147	0.04 %
HVDC	-914	-0.23 %
Interconnection	-767	-0.19 %
Net Energy	393,928	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	19,473 MW
TNB Generation	5,012 MW
IPP Generation	13,309 MW
Spinning Reserve	1,170 MW
Maximum Demand	18,294 MW
Net Energy	393,928 MWH
Load Factor	89.72 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	620
Hydro	362
Syncon	345
Thermal	168
Total	1,495

Time	Weather	Temperature
Afternoon	Sunny	24
Morning	Hot	33

Gas Usage

Station	(mmscfd)
GLGR	39
SRDG	17
TJGS	139
Total TNB	195
CBPS	46
EMPP	280
KLPP	10
NPRI	74
PCGP	84
PLPS	29
SKSP	25
SPGP	202
Total IPP	749
Total Gas	944

Total Gas Required 944

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	16819	16029	15473	14898	14511	14269	14183	14120	14219	15701	16526	17029	17031	16907	17385	18109	18273	17827	16860	16879	17955	17820	17378	17052

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 27, 2023
8:56:38 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	697	695	696	695	695	696	697	697	696	698	697	697	693	698	695	695	696	697	696	693	696	695	694	696	698	697	694	696	695	696	696																		
JMAH	U002	697	693	695	694	696	695	695	690	696	696	695	694	696	693	696	693	697	691	693	696	695	695	695	694	695	693	697	695	697	694	694																		
JMHE	U001	897	897	899	898	897	899	900	894	901	896	898	897	900	900	898	895	896	897	897	899	902	899	900	904	900	901	898	898	897	899	897																		
JMHE	U002	966	972	974	970	973	971	975	969	972	971	972	969	971	970	969	977	976	971	973	973	957	900	901	900	901	899	907	901	932	957	953	975	973	973	974	970	971												
JMJG	U001	666	670	665	667	666	667	666	666	667	668	671	668	669	669	664	665	668	667	667	666	671	666	664	671	671	670	664	666	666	671	669	668	668	667	667	667	667	668											
JMJG	U002	670	668	670	672	672	669	667	672	669	671	672	669	671	670	672	677	668	670	671	669	671	671	669	671	669	671	668	669	671	670	671	668	671	667	672	669	668	667											
JMJG	U003	665	662	671	671	669	670	674	668	666	671	664	670	665	666	669	666	667	668	664	667	668	672	669	667	664	671	666	665	670	668	669	667	672	668	662	668	667	668	663	663	666	667	666						
JMJG	U004	977	976	977	977	977	975	977	981	980	977	979	978	978	980	975	978	979	981	979	978	978	981	977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
PKLG	U003	276	277	277	276	277	275	276	276	277	274	276	276	275	276	277	276	274	274	275	275	273	276	275	275	274	274	276	277	277	275	276	275	276	278	277	276	273	276	275	274	276	277	275	275					
PKLG	U004	262	262	262	262	260	257	262	264	261	258	266	266	263	261	257	260	259	260	258	258	256	259	260	259	262	261	258	262	261	261	259	259	259	258	254	255	262	259	256	261	261	261							
PKLG	U005	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471						
TBIN	U001	687	680	688	688	689	688	690	687	688	689	688	687	687	687	689	688	687	687	687	688	687	689	688	689	686	687	690	687	687	689	686	688	690	689	691	687	687	684	688	688	688	687	688						
TBIN	U002	686	688	688	690	688	686	683	687	687	689	691	679	687	687	691	688	691	688	686	687	686	690	691	691	687	686	686	689	689	690	687	687	696	689	692	688	688	689	686	685	691	689	685	685	688	687	688		
TBIN	U004	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980	980				
Total ST-Coal		9597	9591	9613	9611	9610	9599	9613	9602	9611	9609	9620	9601	9611	9606	9610	9624	9614	9599	9600	9602	9603	9604	9615	9546	8532	8544	8627	8632	8623	8628	8635	8610	8552	8570	8550	8562	8546	8571	8557	8591	8614	8615	8628	8605	8627	8629	8620	8623	
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CBPS	BLK2	205	205	211	210	211	212	211	210	201	206	206	198	207	210	204	205	210	211	213	211	210	288	357	364	357	352	345	352	360	363	361	364	364	359	357	361	350	278	362	362	359	361	357	361	353	358	362	352	
EMPP	BLK1	694	689	648	675	616	587	487	405	399	407	407	391	409	414	402	409	413	536	565	710	710	706	688	718	701	680	669	677	701	723	707	718	712	698	690	710	678	695	709	704	691	692	686	709	683	703	711	709	
EMPP	BLK2	690	688	650	679	615	591	482	404	398	407	406	392	410	412	402	407	411	546	569	709	712	701	711	710	710	711	709	710	711	710	718	712	709	708	710	695	712	709	702	692	702	700	710	683	700	711	708		
EMPP	BLK3	689	689	651	677	616	590	481	404	397	406	406	391	410	414	402	407	412	543	708	710	712	701	689	718	698	681	665	682	707	723	710	718	712	695	689	710	676	695	710	706	691	705	699	709	683	702	711	709	
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	0	25	34	35	90	107	108	107	107	107	73	66	67	66	66	89	104	66	65	67	66	64	66		
GLGR	GT02	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	95	94	95	95	95	95	95	95	95	95	102	108	108	108	99	109	107	106	106	106	72	66	66	66	66	91	104	65	66	65	66	65	66	
GLGR	ST1C	42	42	40	41	41	41	42	41	41	41	41	41	41	40	41	41	41	41	42	42	42	42	41	42	42	44	45	45	48	39	92	97	97	97	97	81	71	71	71	71	81	93	77	71	70	70	70	70	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	21	21	24	48	58	93	141	143	142	143	109	104	103	104	104	106	107		
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	30	39	48	69	69	69	70	61	60	61	61	61	62	62			
NPRI	BLK1	512	373	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
NPRI	BLK2	320	320	314	327	330	330	329	329	310	323	320	308	320	327	319	323	329	334	331	334	347	524	514	525	521	504	497	506	520	535	529	535	529	523	515	528	505	441	529	523	518	523	514	529	510	518	531	530	
PCGP	PGRG	587	587	603	604	602	604	603	597	573	389	388	370	390	398	376	386	400	503	605	600	601	596	587	621	591	574	559	575	601	628	603	617	607	597	590	603	568	593	603	603	591	600	587	602	583	594	606	601	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	130	115	111	112	116	136	115	115	111	116	111	116	115	0	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	118	115	118	115	119	119	118		
PLPS	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	0	0	15	45	44	44	55	137	136	119	113	106	110	112	133	111	112	108	111	108	113	112	108		
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	22	58	58	140	134	130	132	139	147	134	198	196	199	196	198	199	165
SKSP	BLK1	218	145	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	112	347	328	328	325	327	326	326	218	217	328	329	327	218	216	215	217
SPGP	BLK1	710	711																																															

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
BSIA	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
BSIA	HY03	22	0	0	0	0	10	10	10	10	10	10	10	10	22	22	22	22	22	22	22	22	22	22	23
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	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	121	68	68	68	68	0	0	0	0	0	0	0	68	68	68	68	68	119	119	119	119	119	119	119
HTRG	HY02	69	69	69	68	68	68	69	69	69	69	68	68	68	68	117	117	117	69	68	118	118	118	118	119
HTRG	HY03	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	37	37	37	37	37	24	24	24	24	24	24	24	24	24	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	37	37	37	37	37	24	25	24	24	24	24	24	24	25	24	24	37	37	37	37	37	37	37	37
KNRG	HY03	37	37	37	37	37	38	22	22	22	22	22	22	22	22	38	38	38	38	38	38	37	37	37	37
KNYR	HY01	96	92	96	96	96	96	96	95	93	94	94	96	96	96	96	96	96	96	96	96	96	96	96	96
KNYR	HY03	97	95	98	98	98	98	98	94	92	93	93	96	97	93	93	96	99	98	97	98	99	95	99	100
KNYR	HY04	98	98	98	98	98	98	98	97	94	96	96	98	98	95	95	98	98	98	98	98	98	98	98	98
LPJA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	23	24	24	25	25	26	26	26	26	26	26
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	82	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	151	149	75	-1	-1	-1	82	82
PGAU	HY02	82	81	82	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	127	148	76	-1	-1	-1	83	83
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	142	14	18	21	22	107	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	0	0	0	15	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	24	25	25	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	25	0	0	0	17	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	79	80	79	79	79	79	79	79
TMGR	HY02	84	85	86	87	86	0	0	0	1	0	0	0	0	0	0	0	85	84	83	84	84	82	79	82
TMGR	HY03	81	31	32	32	32	32	32	29	31	31	28	32	32	30	31	32	32	32	32	31	80	80	80	80
TMGR	HY04	40	40	42	41	42	43	41	42	38	41	41	37	41	41	39	41	49	43	59	46	41	40	62	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	178	174	80	82	-1	-1	185	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	181	176	-1	-1	-1	99	95	
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	6	5	5	4	4	4	4
Total Hydro		1089	957	887	885	803	625	618	620	608	605	609	600	614	626	634	635	625	593	591	725	869	838	832	1026
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	0	0	0	0	0	0	0	0	0	0	0
BKLS	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
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	8	14	25	22	28	24	15	8	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	20	21	27	32	35	37	42	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	18	24	26	33	26	40	41	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	12	16	19	23	26	27	28	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	11	16	24	37	17	29	25		
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	10	23	14	12	16	11	17		
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	13	19	25	31	35	37		
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	25	26	70	45	85	44	24		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	8	14	16	23	34	20	33		
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	10	23	18	24	12	5		
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	13	25	36	37	56	81	92	95		
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	11	13	21	19	29	30		

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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