

Daily System Generation Summary on Friday

Friday, October 27, 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	17,298 MW
Total Co-Gen	0 MW
Total System	23,501 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,606	4.64 %
Gas	55,673	14.67 %
Total TNB	73,279	19.31 %
ST-Coal	220,410	58.08 %
LSS	6,528	1.72 %
Gas	78,670	20.73 %
Total IPP	305,608	80.53 %
Co-Gen	20	0.01 %
Total Co-Gen	20	0.01 %
Total Generation	378,907	99.84 %
PLTG	92	0.02 %
HVDC	-704	-0.19 %
Interconnection	-612	-0.16 %
Net Energy	379,519	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	19,306 MW
TNB Generation	4,080 MW
IPP Generation	14,077 MW
Spinning Reserve	1,157 MW
Maximum Demand	18,182 MW
Net Energy	379,519 MWH
Load Factor	86.97 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,052
Hydro	294
Syncon	615
Thermal	190
Total	2,151

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	29

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	156
Total TNB	186
CBPS	41
EMPP	250
NPRI	138
PCGP	80
SKSP	1
SPGP	188
Total IPP	699
Total Gas	885
Total Gas Required	885

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	15466	14784	14231	13875	13533	13287	13610	13500	13831	15217	16019	16467	16579	16272	16911	17735	18108	17849	16687	17070	17571	17249	16827	16534

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Sunday, October 29, 2023 12:25:16 PM
 (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	692	697	697	693	695	696	698	697	696	697	697	694	697	696	696	698	696	695	696	695	698	696	695	696		
JMAH	U002	694	695	703	696	696	696	697	696	695	696	696	702	696	697	697	695	697	696	696	696	697	694	697	694	696		
JMHE	U002	976	976	978	976	896	902	901	869	850	851	850	849	849	852	855	853	846	956	970	974	972	973	972	978	970		
JMJG	U001	637	671	666	677	675	674	675	672	675	672	676	662	674	671	679	671	672	673	674	673	672	667	667	673	669		
JMJG	U002	640	641	640	637	635	640	642	638	642	641	639	640	637	645	638	642	641	640	629	634	640	642	635	641	640		
JMJG	U003	604	607	610	615	606	612	604	603	616	607	607	607	629	629	627	631	629	621	632	629	628	629	628	621	629		
JMJG	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	109	255	283			
JMJG	U005	888	887	889	889	888	888	888	887	848	848	852	848	848	853	848	841	874	887	891	890	914	926	936	885	878		
PKLG	U003	276	276	277	276	275	276	275	273	275	277	275	279	277	278	275	277	274	274	275	273	273	275	275	276	274		
PKLG	U005	470	470	470	470	470	470	470	470	400	400	400	350	350	350	450	470	470	470	470	470	470	470	470	470	470	470	470
TBIN	U001	690	690	686	690	692	685	691	689	690	690	689	690	691	691	687	691	692	693	689	687	691	686	691	690	688		
TBIN	U002	691	689	688	689	686	686	688	690	692	688	688	689	693	689	690	688	689	689	690	688	688	692	688	689	690		
TBIN	U003	688	688	686	687	687	685	689	688	687	687	687	687	687	687	688	687	688	687	688	688	689	686	685	685			
TBIN	U004	983	983	984	982	956	911	904	902	857	854	854	852	854	854	852	853	857	902	947	983	983	982	982	983	983		
Total ST-Coal		8933	8965	8974	8981	8855	8820	8820	8775	8694	8607	8610	8602	8579	8593	8587	8671	8724	8881	8962	8986	8994	9023	9098	9090	9230		
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		
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		
CBPS	BLK2	210	210	212	210	208	205	204	208	213	208	202	214	211	211	211	209	206	203	212	213	214	212	211	212	206		
EMPP	BLK1	511	414	412	412	408	405	404	411	411	412	401	414	410	411	412	411	404	404	415	409	408	416	417	500	406		
EMPP	BLK2	507	412	410	410	407	404	403	412	411	412	402	414	410	412	409	411	405	403	414	409	415	419	419	500	406		
EMPP	BLK3	506	411	411	411	407	404	403	413	410	411	400	414	410	411	409	409	405	403	449	444	709	709	710	711	690		
GLGR	GT02	95	94	95	94	94	95	94	94	94	94	95	95	94	95	94	94	94	94	94	94	94	94	94	94	94		
GLGR	ST1C	41	42	43	40	42	41	41	41	41	41	41	41	41	41	42	42	42	41	42	42	42	42	42	42	42		
NPRI	BLK1	511	511	513	394	305	309	308	316	318	316	305	323	317	318	317	312	311	304	315	531	530	527	526	523	521		
NPRI	BLK2	503	506	377	330	320	319	317	324	326	325	314	331	326	325	325	325	327	319	331	332	334	520	518	518	512		
PCGP	PGRG	594	550	401	403	397	395	394	403	410	406	396	417	412	412	417	411	414	406	606	603	607	601	604	604	586		
SKSP	BLK1	166	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SPGP	BLK1	713	718	718	715	644	519	385	361	360	360	360	362	501	528	359	360	448	720	722	718	719	715	714	708	700		
SPGP	BLK2	712	715	717	712	713	590	588	361	362	361	360	361	440	630	451	360	449	704	715	715	713	710	705	701	692		
TJGS	GT1A	126	127	127	128	127	125	125	126	124	126	119	129	125	124	129	125	127	125	125	126	126	126	125	199	229		
TJGS	GT1B	114	117	116	114	113	113	111	113	113	113	105	119	113	113	117	114	116	112	114	114	113	112	116	115	115		
TJGS	ST1C	165	164	163	163	163	163	163	163	163	163	161	163	163	162	160	162	163	161	164	164	164	165	165	165	165		
TJGS	GT2A	132	131	132	132	132	130	132	132	130	132	132	133	132	132	133	131	131	131	131	131	130	130	131	131	131		
TJGS	GT2B	129	129	130	129	129	129	129	129	130	129	129	130	129	129	129	129	129	129	129	129	129	129	129	129	129		
TJGS	ST2C	190	190	190	190	190	190	189	189	189	189	189	189	189	189	190	190	190	190	190	190	190	190	190	190	190		
Total CCGT-Gas		5925	5541	5167	4987	4799	4536	4390	4196	4205	4198	4112	4249	4423	4643	4304	4195	4361	4850	5168	5369	5637	5817	5813	5968	5711		
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		
BSIA	HY01	18	18	18	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BSIA	HY02	12	12	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BSIA	HY03	22	22	22	22	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
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	9		
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	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	7		
HTRG	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		
HTRG	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	7		
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		
KNRG	HY02	23	23	23	23	23	23	23	23	23	23	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23		

Daily MW Generation on Friday

[illegible]

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		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	51	200	362	497	640	736	824	813	873	903	998	909	868	908	831	834	587	446	333	221	133	71	24	2	1	0	0	0	0	0	0	0	0	0
ESTL	ESTL	6	6	9	0	7	8	5	5	2	0	8	0	8	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KHTC	BLK1	-25	-21	-21	-23	-20	-24	-23	-24	-26	-24	-21	-24	-23	-22	-25	-24	-25	-29	-31	-34	-31	-41	-46	-47	-46	-48	-50	-50	-46	-53	-51	-46	-39	-35	-31	-34	-35	-34	-37	-36	-36	-33	-36	-34	-29	-26	-25	-26	
PCUF	CUFG	15	15	16	16	15	15	15	16	15	16	15	17	17	16	18	16	15	14	15	14	13	13	13	12	14	13	13	13	13	13	14	12	14	18	18	19	20	18	19	20	20	24	23	23	24	23	24	25	
PCUF	CUFK	3	4	4	3	3	2	3	5	4	4	3	4	2	6	4	5	2	4	3	4	3	2	3	5	4	4	11	7	3	3	4	4	4	4	3	5	3	4	3	2	4	3	4	4	4	3	5		
PFTZ	PFTZ	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14	14	14	13	13	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10		
Total Co-Gen		12	17	21	9	18	14	13	15	8	9	18	10	17	13	12	15	5	3	1	-2	-1	-13	-17	-17	-17	-20	-15	-19	-19	-26	-22	-19	-10	-8	0	0	-2	-2	-5	-3	-3	5	0	3	9	11	12	14	
Total Gen		15463	15150	14760	14535	14225	13886	13867	13544	13510	13261	13266	13424	13572	13800	13466	13357	13810	14614	15194	15553	15986	16216	16400	16608	16533	16404	16219	16371	16844	17269	17702	17947	18086	18149	17864	17277	16687	16473	17056	17567	17555	17448	17250	17122	16831	16668	16554	16258	
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	0	
TIE-HVDC		-28	-28	-29	-31	-31	-31	-28	-28	-31	-29	-29	-30	-31	-29	-29	-28	-28	-29	-29	-29	-28	-28	-30	-30	-29	-28	-31	-30	-30	-28	-28	-29	-31	-31	-31	-28	-30	-30	-29	-30	-30	-29	-30	-29	-31	-29	-29		
TIE-PLTG		25	32	5	24	25	7	20	8	7	11	7	-22	-7	12	-5	-11	7	13	7	16	-4	-58	-38	-35	-16	-33	-25	-60	-36	-56	-3	12	6	-4	45	7	31	8	16	-10	13	19	32	39	32	37	49	43	
Interconnection		-3	3	-24	-7	-6	-24	-8	-20	-23	-18	-21	-53	-38	-17	-34	-39	-21	-16	-23	-13	-38	-86	-67	-65	-46	-63	-55	-88	-67	-86	-33	-17	-22	-33	15	24	0	-20	-14	-40	-16	-19	1	9	4	7	20	14	
System Total		15466	15147	14784	14542	14231	13910	13875	13564	13533	13279	13287	13477	13610	13817	13500	13396	13831	14630	15217	15566	16019	16303	16467	16673	16579	16467	16272	16459	16911	17355	17735	17964	18108	18182	17849	17301	16687	16493	17070	17607	17571	17467	17249	17113	16827	16661	16534	16244	
SRev ST-Coal		112	120	111	119	226	280	264	283	348	410	405	411	386	375	384	369	312	254	173	149	201	172	247	255	155	468	354	315	231	214	195	165	174	151	200	185	173	191	137	170	181	172	146	235	206	175	178	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	0		
SRev CCGT-Gas		1714	2098	2122	2302	2490	2753	2899	3093	3084	3091	3177	3040	2866	2646	2985	3094	2928	2439	2121	1920	1652	1472	1491	1336	1593	1735	1827	1708	1330	907	717	467	499	492	598	617	1046	1201	833	421	459	558	673	758	954	1178	1320	1351	
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		
SRev Co-Gen		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-1	0	1	-2	0	1	0	1	1	1	0	0	1	0	0	0	-1	-1	-2	0	1	0	0	3	0	0	0	1	1	0	0	
Syncon		791	640	640	640	640	640	827	827	827	928	978	978	978	978	978	827	978	978	978	978	827	978	791	791	640	978	978	978	978	827	604	604	302	176	176	489	640	640	453	302	302	302	302	489	640	640	640	791	
Hydro		149	116	145	185	190	179	201	223	178	334	304	217	140	142	133	419	173	175	127	133	224	128	187	186	325	103	211	172	201	298	289	152	207	325	329	511	469	463	484	504	446	471	575	495	474	446	446	188	
S.Reserve Total		2766	2971	3018	3246	3546	3852	4004	4426	4437	4662	4814	4646	4370	4142	4478	4708	4390	3845	3399	3181	2902	2750	2717	2568	2714	3285	3371	3173	2740	2247	1805	1388	1182	1157	1302	1800	2328	2496	1907	1397	1391	1503	1696	1977	2275	2440	2584	2513	