

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,749 MW
Distillate	0 MW
Total TNB	1,749 MW
Total IPP	17,907 MW
Total Co-Gen	0 MW
Total System	22,800 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,221	3.98 %
Gas	42,194	11.80 %
Total TNB	56,415	15.78 %
ST-Coal	218,766	61.19 %
LSS	5,149	1.44 %
Gas	76,342	21.35 %
Total IPP	300,257	83.99 %
Co-Gen	262	0.07 %
Total Co-Gen	262	0.07 %
Total Generation	356,934	99.84 %
PLTG	131	0.04 %
HVDC	-701	-0.20 %
Interconnection	-570	-0.16 %
Net Energy	357,504	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:	19:30:00 Hour
Total Set On Bus	17,823 MW
TNB Generation	3,322 MW
IPP Generation	13,281 MW
Spinning Reserve	1,236 MW
Maximum Demand	16,605 MW
Net Energy	357,504 MWH
Load Factor	89.71 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,107
Hydro	310
Syncon	560
Thermal	254
Total	2,231

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Sunny	23

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	60
Total TNB	89
CBPS	41
EMPP	263
NPRI	127
PCGP	67
PLPS	1
SPGP	188
Total IPP	686
Total Gas	776
Total Gas Required	776

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	15657	14992	14344	13845	13489	13234	13230	13072	12854	13873	14722	15201	15012	14875	15386	15728	15911	15653	15398	15876	16600	16428	16133	15721

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 27, 2023
11:33:43 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	693	697	696	696	695	695	696	696	695	696	696	696	695	696	690	696	696	695	697	698	696	695	698	695	695	696	695	697																								
JMAH	U002	696	694	698	695	696	694	697	697	695	696	696	696	695	696	692	694	693	697	694	696	695	698	694	696	695	697	696	696	693	696	694	696	697																			
JMHE	U001	900	901	901	899	852	850	851	851	849	849	850	853	849	850	846	850	850	848	902	898	896	900	901	901	901	902	898	901	901	899	900	898	901	899	898	900	897	902	899	896	899	895	902	897	897	897	899					
JMHE	U002	977	972	977	975	849	850	851	852	851	850	849	850	846	849	849	850	850	849	851	905	920	933	962	961	958	960	960	957	962	973	976	980	978	978	981	978	979	978	981	978	979	979	974	981	978	980	980	981				
JMJG	U001	671	668	674	677	671	671	676	676	666	677	677	673	671	668	681	678	679	667	667	675	679	661	679	671	671	672	670	670	670	670	667	672	671	673	672	669	671	667	673	668	670	673	670	672	662	666						
JMJG	U002	669	669	671	635	594	607	638	673	672	671	674	678	676	676	673	672	677	668	673	672	671	677	670	678	676	677	671	675	674	674	676	677	678	677	673	675	676	673	673	678	672	677	677	678	679	672	678	668				
JMJG	U003	673	664	671	666	665	662	663	669	672	666	666	664	673	665	666	668	666	665	670	668	664	668	667	668	664	666	666	668	666	666	666	671	667	665	671	665	667	665	667	666	666	672	667	667	667	668	662	666				
PKLG	U003	278	279	278	275	278	278	278	277	276	278	279	278	278	276	278	278	277	277	279	277	279	273	276	277	278	277	279	277	278	282	277	279	278	279	277	278	280	280	277	278	278	278	275	279	279							
PKLG	U004	275	277	276	277	274	276	278	276	275	275	277	277	278	275	272	273	276	275	274	276	274	273	276	276	278	276	274	279	275	277	275	277	275	273	274	275	273	276	272	271	275	266	273	275	277	276	276					
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	471								
TBIN	U001	688	690	687	685	690	688	686	689	687	687	688	690	688	687	687	497	500	500	496	499	501	501	501	555	690	691	689	688	690	689	689	689	689	691	691	691	691	689	690	688	689	689	688	688	689	689	688	693	690	502	266	213
TBIN	U002	691	688	688	690	689	687	685	689	690	691	693	690	687	689	689	553	501	503	499	499	502	502	502	519	691	688	689	689	689	691	691	688	689	688	689	689	689	689	689	689	688	688	689	689	688	693	690	688	688	690		
TBIN	U003	688	690	687	688	688	687	686	691	687	688	688	690	688	689	689	579	505	500	501	500	499	500	499	516	684	686	690	685	685	685	686	687	686	686	686	686	685	685	686	687	686	685	684	688	685	689	687	583				
TBIN	U004	984	982	983	981	951	907	863	854	852	853	851	853	853	855	853	854	852	852	853	872	918	925	965	963	963	961	962	963	966	982	982	984	983	980	984	984	984	983	982	984	982	983	984	984	983	982	981	984				
Total ST-Coal		9354	9342	9358	9310	9064	9023	9018	9062	9040	9046	9047	9060	9048	9044	9041	8613	8495	8464	8464	8605	8669	8674	8760	8848	9305	9316	9318	9304	9320	9353	9355	9363	9362	9349	9370	9353	9356	9340	9353	9355	9340	9355	9337	9366	9357	9168	8926	8770				
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	0				
CBPS	BLK2	196	206	210	211	212	211	212	211	202	194	206	205	210	212	200	213	212	212	212	212	211	211	212	210	212	211	209	210	210	207	210	355	362	307	210	209	211	209	361	360	361	360	360	356	361	361	361	361				
EMPP	BLK1	666	686	410	409	411	412	410	410	401	388	407	403	408	410	393	408	410	411	478	534	640	709	706	709	466	432	412	523	614	684	681	708	698	709	688	711	704	709	710	709	704	710	708	709	690	709	708	707				
EMPP	BLK2	668	686	616	510	444	412	410	410	400	386	407	403	408	410	393	407	410	411	483	535	642	709	703	709	464	430	412	524	612	688	683	708	695	709	689	711	696	708	709	710	707	710	708	697	689	709	708	705				
EMPP	BLK3	668	686	702	506	444	411	476	417	401	387	407	403	424	453	394	446	432	453	483	538	641	709	702	709	460	430	412	527	612	687	690	709	693	709	688	712	703	709	711	709	707	709	708	696	699	710	708	708				
GLGR	GT02	95	95	95	94	95	95	94	94	95	94	95	95	95	95	94	95	95	93	93	93	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	93	93	94	105	107	107	107	108	107	108	93					
GLGR	ST1C	41	42	42	43	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	45	46	46	47	46	47	46	42						
NPRI	BLK1	493	301	317	318	319	318	317	319	304	295	312	307	319	318	302	320	319	319	319	318	318	347	347	347	307	308	306	305	307	307	438	481	509	512	505	511	508	395	393	513	510	513	509	509	505	511	512	511				
NPRI	BLK2	499	303	317	320	320	319	320	320	305	296	314	309	321	319	303	320	320	321	320	320	321	407	331	334	328	330	329	328	330	329	398	498	524	530	514	407	328	426	515	520	515	520	514	515	511	517	518	517				
PCGP	PGRG	562	587	595	603	603	400	400	401	382	375	390	391	398	401	386	404	403	401	401	406	405	410	414	405	408	401	402	398	405																							

Daily MW Generation on Saturday

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	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNYR	HY01	93	94	94	96	96	96	96	96	93	93	93	97	96	95	59	58	96	96	96	96	96	96	96	96
KNYR	HY03	93	94	94	99	99	99	100	97	93	93	98	99	95	54	52	99	99	99	99	99	99	99	99	99
KNYR	HY04	54	55	55	65	60	60	63	59	58	54	54	60	62	56	62	59	59	98	98	98	98	98	98	98
LPIA	HY02	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21
PGAU	HY02	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	22	22
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25
TMGR	HY01	0	0	1	-1	41	41	42	41	39	36	41	40	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	33	33
TMGR	HY02	0	0	1	1	0	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	84	84	34	34
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	79	79	80
TMGR	HY04	37	40	41	49	41	43	44	43	39	35	40	39	42	42	38	45	43	42	44	43	41	41	42	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	50	77	66	44
UJLI	HY02	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	137	128	104
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		578	585	588	611	640	662	649	641	631	558	569	586	512	515	500	440	364	448	509	490	488	488	470	475
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	0	0	0	0	0	0	0	0	0	0	0
CHLS	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
GBLS	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
GELS	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
GNLS	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
JELS	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
JSLs	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
KDLS	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
KKLS	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
KMLS	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
KNLS	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
KRLS	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
MALS	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
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	10	11	0	0	6	7	12	14	16	21	22	22	20	22	20	19	22	21	16	18	19	18	19	22
KHTC	BLK1	-23	-26	-23	-21	-22	-22	-23	-22	-23	-20	-22	-20	-22	-22	-21	-20	-23	-21	-25	-27	-30	-30	-32	-35

Daily MW Generation on Saturday

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			
PCUF	CUFG	17	20	20	19	18	20	19	20	21	21	20	20	20	19	19	20	20	19	20	19	18	17	21	20	22	22	23	22	22	23	23	27	27	27	27	28	26	28	16	16	17	16	16	17	16	18	19		
PCUF	CUFK	15	15	16	14	13	15	13	14	14	14	15	16	13	14	14	15	16	13	14	14	14	15	14	14	14	16	15	15	15	14	15	14	15	15	15	12	15	14	14	16	14	15	14	15	14	16			
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		24	25	18	17	20	25	26	31	33	41	40	43	36	38	37	39	40	40	28	30	26	26	23	24	25	24	-9	-9	-13	-17	-13	-11	-2	1	-2	0	1	-5	-4	-16	-8	-4	-17	-19	-19	-30	-26	-32	
Total Gen		15647	15224	14953	14649	14305	14024	13823	13612	13465	13299	13212	13221	13199	13235	13062	12749	12802	13456	13830	14257	14715	15013	15190	15230	14970	14876	14840	15042	15378	15499	15671	15772	15937	15924	15651	15466	15404	15451	15856	16587	16578	16572	16426	16319	16133	15954	15689	15557	
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				
TIE-HVDC		-28	-28	-31	-31	-31	-29	-30	-29	-28	-29	-29	-28	-28	-30	-29	-31	-31	-29	-29	-29	-29	-29	-29	-29	-29	-31	-28	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-31	-30	-31	-29	-28	-28	-31	-28	-29	-29		
TIE-PLTG		19	-11	-8	3	-8	-5	9	-13	4	20	6	13	-3	-12	19	-15	-23	16	-12	-3	21	29	19	-20	-12	8	-7	-21	21	-18	-27	10	55	12	27	20	35	4	10	12	8	3	27	10	30	10	-3	4	
Interconnection		-10	-39	-39	-28	-39	-34	-22	-41	-24	-9	-22	-16	-31	-40	-10	-45	-52	-16	-43	-32	-7	1	-11	-50	-42	-23	-35	-50	-8	-47	-57	-19	26	-17	-2	-9	6	-26	-20	-18	-22	-26	-2	-18	0	-18	-32	-25	
System Total		15657	15263	14992	14677	14344	14058	13845	13653	13489	13308	13234	13237	13230	13275	13072	12794	12854	13472	13873	14289	14722	15012	15201	15280	15012	14899	14875	15092	15386	15546	15728	15791	15911	15941	15653	15475	15398	15477	15876	16605	16600	16598	16428	16337	16133	15972	15721	15582	
SRev ST-Coal		158	170	154	202	369	425	408	355	374	369	365	356	365	371	375	543	535	560	558	488	455	450	364	364	207	196	194	208	192	159	157	149	150	163	142	159	156	172	159	157	172	157	175	146	155	216	223	278	
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			
SRev CCGT-Gas		753	955	1238	1516	1646	1913	2097	2349	2466	2573	2671	2695	2624	2589	2744	2593	2425	1887	1705	1535	1220	1032	1128	1115	1901	1873	1952	1688	1371	1158	981	765	546	491	667	944	1039	1025	832	428	429	393	428	444	489	399	468	260	
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	-2	0	1	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	
Syncon		676	489	489	577	489	338	489	489	489	489	338	577	577	577	577	703	703	552	703	703	703	703	703	703	703	703	552	552	552	552	703	703	703	703	703	703	703	703	703	516	277	277	277	277	365	365	552	552	552
Hydro		215	209	380	269	241	370	319	240	337	323	312	533	233	317	245	305	342	171	261	129	131	131	149	144	278	271	269	140	137	137	143	118	267	58	155	146	147	104	388	374	373	434	514	419	464	346	304	279	
S.Reserve Total		1976	1998	2348	2651	2919	3220	3400	3607	3753	3928	4011	4009	3886	3854	4028	4106	4005	3408	3163	2943	2596	2401	2431	2264	3025	2979	3054	2826	2490	2244	2071	1821	1601	1501	1754	2039	2132	2091	1982	1236	1251	1261	1394	1374	1474	1515	1547	1370	