

Daily System Generation Summary on Saturday

Saturday, May 27, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,125 MW
Distillate	0 MW
Total TNB	2,125 MW
Total IPP	17,864 MW
Total Co-Gen	0 MW
Total System	22,425 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,008	4.41 %
Distillate	458	0.13 %
Gas	25,332	6.97 %
Total TNB	41,798	11.50 %
ST-Coal	241,367	66.43 %
LSS	5,591	1.54 %
Distillate	625	0.17 %
Gas	74,424	20.48 %
Total IPP	322,007	88.63 %
Co-Gen	119	0.03 %
Total Co-Gen	119	0.03 %
Total Generation	363,924	100.16 %
PLTG	-138	-0.04 %
HVDC	726	0.20 %
Interconnection	588	0.16 %
Net Energy	363,336	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	17,803 MW
TNB Generation	3,542 MW
IPP Generation	13,483 MW
Spinning Reserve	774 MW
Maximum Demand	17,013 MW
Net Energy	363,336 MWH
Load Factor	88.98 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	589
Hydro	224
Syncon	718
Thermal	202
Total	1,733

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	48
SRDG	5
TJGS	136

Total TNB 189

CBPS	46
EMPP	201
NPRI	140
PCGP	87

Total IPP 473

Total Gas 662

Total Gas Required 674

Alternate Fuel Usage

Station	(mmscfd)
PLPS	4
SKSP	2
TJGS	5

Total 12

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	16038	15319	14703	14259	13882	13523	13517	13253	12990	14179	14861	15311	15207	15073	15537	15761	15916	15927	15602	15749	16933	16922	16375	16206

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 2, 2023 9:08:09 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

1 of 3

Daily MW Generation on Saturday

[illegible]

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																								
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	7	8	21	20	30	35	16	27	37	5	15	25	30	22	23	28	27	26	14	12	5	2	1	0	0	0	0	0	0	0	0	0	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	10	13	7	17	14	27	1	25	18	23	29	26	21	25	25	17	17	6	3	1	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	2	8	17	27	38	58	74	55	75	98	52	93	97	97	85	70	69	72	39	47	23	13	9	7	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	1	2	4	9	11	17	23	25	25	20	20	22	26	17	30	21	30	13	12	12	7	4	3	2	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	3	4	13	12	29	22	23	14	17	28	29	27	21	19	19	7	1	3	3	4	4	2	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	1	1	3	6	10	12	11	19	27	29	32	42	46	14	31	42	41	12	27	17	6	4	1	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	1	2	4	8	13	17	19	33	58	63	83	94	61	90	98	87	46	39	61	71	45	23	21	2	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	18	23	40	67	77	98	60	60	60	58	70	65	65	76	71	50	44	50	34	24	19	13	3	3	0	0	0	0	0	0	0	0		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	5	5	14	25	42	31	46	50	52	34	38	19	36	37	8	25	26	17	10	3	1	0	0	0	0	0	0	0	0	0		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	8	9	16	15	11	19	15	26	23	28	46	31	31	32	31	13	21	7	4	2	1	0	0	0	0	0	0	0	0	0		
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	9	11	15	12	14	19	21	21	13	9	16	8	13	12	11	7	3	3	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	1	9	14	25	19	30	30	28	25	28	16	16	16	23	27	24	11	19	22	20	15	4	1	0	0	0	0	0	0	0	0	0			
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	27	108	155	259	391	499	550	594	559	744	653	755	701	789	773	728	636	544	535	521	335	191	116	25	4	0	0	0	0	0	0	0	0		
ESTL	ESTL	14	14	13	12	13	17	10	10	8	6	3	8	10	21	7	4	18	15	12	19	15	4	7	6	0	0	0	0	0	0	-12	-7	0	0	0	0	0	0	0	0	0	7	10	12	18	16	14	12
KHTC	BLK1	-18	-16	-15	-11	-13	-11	-9	-10	-7	-9	-7	-8	-5	-3	-4	-2	-6	-7	-8	-11	-14	-17	-20	-18	-23	-19	-23	-16	-13	-18	-22	-21	-27	-25	-26	-23	-25	-24	-20	-20	-9	-7	-6	-9	-9	-9		
PCUF	CUFG	5	4	4	4	3	4	4	2	3	4	4	5	5	5	4	4	3	3	3	5	3	3	4	4	3	4	4	3	3	3	4	5	4	4	2	4	4	4	4	4	3	3	4	2	4	4	5	
PCUF	CUFK	3	2	3	3	3	4	2	1	27	24	26	26	26	26	27	28	26	22	1	3	2	3	3	2	2	3	3	3	2	3	3	4	3	3	3	3	4	2	2	3	3	1	4	2	2	2		
Total Co-Gen		4	4	5	8	6	14	7	3	31	25	26	31	33	47	35	31	48	38	30	15	12	-5	-4	-7	-12	-12	-16	-10	-8	-24	-22	-12	-20	-18	-21	-16	-18	-16	-14	-14	4	8	13	12	15	11	10	
Total Gen		16065	15669	15328	14948	14746	14520	14283	14093	13906	13679	13531	13452	13558	13541	13276	12991	13003	13676	14174	14573	14884	15120	15342	15362	15248	15136	15114	15380	15615	15736	15745	15953	16080	15984	15715	15627	15570	15777	16605	16973	17029	16939	16785	16412	16451	16259	16010	
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		
TIE-HVDC		30	29	30	29	29	30	28	31	31	30	29	29	30	28	29	29	29	30	31	31	30	30	30	31	29	31	30	31	30	29	31	29	31	31	32	29	31	30	31	31	31	29	31	31	32	31	31	
TIE-PLTG		-3	-30	-21	-15	14	-26	-4	3	-7	-10	-22	-20	11	-8	-6	-14	-17	-16	-36	0	-7	-1	1	-15	12	-9	11	3	48	47	-30	-10	9	-6	26	-6	-4	-17	-2	-24	8	-15	-12	1	6	-12	21	-71
Interconnection		27	-1	9	14	43	4	24	34	24	20	8	9	41	20	23	14	13	14	-5	31	23	29	31	16	41	22	41	34	78	76	-1	21	37	25	57	26	25	15	28	7	40	16	17	32	37	19	53	-39
System Total		16038	15670	15319	14934	14703	14516	14259	14059	13882	13659	13523	13443	13517	13521	13253	12977	12990	13662	14179	14542	14861	15091	15311	15346	15207	15114	15073	15346	15537	15660	15761	15724	15916	16055	15927	15689	15602	15555	15749	16598	16933	17013	16922	16753	16375	16432	16206	16049
SRev ST-Coal		180	200	186	192	272	277	515	585	587	523	560	708	496	487	477	471	473	484	451	291	198	179	188	188	180	182	176	177	188	183	193	184	196	173	191	191	190	200	219	176	177	176	183	164	193	176	187	153
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	4	2	1	1	0	0	0	0	
SRev CCGT-Gas		1148	1450	1464	1238	1343	1328	1239	1008	1148	1294	1404	1326	1148	1225	1482	1796	1780	1405	985	860	748	565	380	381	684	679	817	682	912	898	788	706	402	338	362	426	433	476	357	144	239	186	154	291	428	290	419	466
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	0
SRev Distillate		59	85	528	6	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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
SRev Co-Gen		36	32	30	22	26	22	18	20	14	18	14	16	16	10	6	8	4	12	14	16	22	28	34	40	36	46	38	46	32	26	60	58	42	54	50	52	46	50	48	40	40	18	14	12	18	18	18	18
Syncon		890	890	827	978	827	978	978	978	1079	1079	1079	1079	1079	1079	928	1079	827	978	978	978	978	978	978	978	978	978	978	978	827	890	827	978	890	739	739	978	978	978	852	187	0	0	0	0	187	187	187	525
Hydro		152	148	243	120	241	110	206	209	172	163	164	177	168	217	223	352	202	255	118	121	120	120	159	177	176	127	125	157	257	253	244	109	199	293	335	112	205	207	661	568	394	392	362	425	445	535	583	354
S.Reserve Total		2465	2805	3278	2556	2734	2715	2956	2800	3000	3077	3221	3306	2907	3018	3267	3555	3538	2983	2546	2266	2066	1870	1739	1764	2054	2012	2134	2040	2216	2250	2112	2035	1729	1597	1677	1759	1852	1911	2137	1115	854	774	714	893	1271	1206	1394	1516