

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	2,510 MW
Total IPP	16,233 MW
Total Co-Gen	0 MW
Total System	21,747 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,532	2.46 %
Gas	50,859	14.68 %
Total TNB	59,391	17.14 %
ST-Coal	206,321	59.54 %
LSS	2,566	0.74 %
Gas	78,910	22.77 %
Total IPP	287,797	83.06 %
Co-Gen	-1,600	-0.46 %
Total Co-Gen	-1,600	-0.46 %
Total Generation	345,588	99.73 %
PLTG	-222	-0.06 %
HVDC	-701	-0.20 %
Interconnection	-923	-0.27 %
Net Energy	346,511	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	17,271 MW
TNB Generation	3,539 MW
IPP Generation	12,504 MW
Spinning Reserve	1,295 MW
Maximum Demand	15,998 MW
Net Energy	346,511 MWH
Load Factor	90.25 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	476
Hydro	238
Syncon	930
Thermal	195
Total	1,839

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Sunny	32
Morning	Cloudy	24

Gas Usage

Station	(mmscfd)
GLGR	34
TJGS	89
Total TNB	124
CBPS	45
EMPP	191
NPRI	141
PCGP	86
PLPS	55
SPGP	208
Total IPP	726
Total Gas	850
Total Gas Required	850

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	15026	14329	13817	13471	13038	12913	13068	13046	12716	13742	14420	14989	14940	14772	14992	15093	15006	14878	14789	15568	15909	15653	15229	14855

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 5:50:04 PM
 (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
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	0	0	0	0	0	0	-2	-8	0	0	0	-7	0	0	0	0	-3	-1	-3	-1	0	-10	0	0
KHTC	BLK1	-98	-95	-98	-96	-94	-93	-80	-95	-96	-95	-98	-94	-94	-93	-126	-129	-129	-131	-132	-134	-136	-137	-136	-136
PCUF	CUFG	21	21	20	20	18	20	20	22	21	20	21	21	21	20	21	22	21	23	22	23	23	21	23	21
PCUF	CUFK	3	1	1	5	2	3	2	2	2	3	30	29	30	29	29	27	29	27	26	28	27	28	29	29
PFTZ	PFTZ	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Total Co-Gen		-59	-59	-63	-57	-58	-58	-44	-61	-66	-57	-34	-31	-32	-36	-30	-29	-63	-65	-68	-70	-70	-71	-73	-81
Total Gen		14998	14628	14280	13944	13762	13605	13433	13216	13012	13022	12868	12899	12997	13102	13034	12792	12684	13301	13742	14168	14370	14709	14931	14933
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
TIE-HVDC		-28	-28	-29	-31	-31	-29	-28	-28	-28	-31	-28	-29	-29	-29	-29	-29	-30	-28	-29	-29	-29	-29	-30	-29
TIE-PLTG		-1	-23	-21	-53	-25	-12	-11	-17	2	8	-18	-6	-24	-6	16	28	-4	11	27	15	-22	-33	-30	-71
Interconnection		-29	-51	-50	-84	-56	-40	-39	-45	-27	-22	-46	-36	-53	-34	-13	-1	-33	-20	-1	-14	-51	-63	-59	-100
System Total		15026	14678	14329	14027	13817	13644	13471	13260	13038	13043	12913	12934	13068	13135	13046	12792	12716	13320	13742	14181	14420	14771	14989	15032
SRev ST-Coal		160	165	174	167	143	141	160	406	399	391	413	410	408	401	392	404	424	409	415	275	145	140	145	152
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
SRev CCGT-Gas		933	1158	1441	1437	1243	1366	1533	1422	1608	1633	1753	1774	1634	1541	1612	1853	1953	1441	1034	989	950	624	412	362
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
SRev Co-Gen		0	1	3	1	0	0	2	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Syncon		1142	1142	1142	1230	1079	1142	1142	991	1142	1230	1230	1079	1043	1043	1043	892	1043	1043	1043	893	893	892	1043	1043
Hydro		145	142	140	134	264	150	150	141	285	205	152	152	284	151	153	159	153	283	153	151	150	132	131	128
S.Reserve Total		2380	2608	2900	2969	2729	2799	2987	3112	3283	3371	3548	3566	3405	3138	3200	3460	3573	3025	2642	2456	2288	1939	1731	1534