

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,412 MW
Distillate	0 MW
Total TNB	2,412 MW
Total IPP	19,736 MW
Total Co-Gen	0 MW
Total System	25,561 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,982	4.29 %
Gas	38,182	9.65 %
Total TNB	55,164	13.94 %
ST-Coal	253,056	63.95 %
ST-Gas	3,636	0.92 %
LSS	5,426	1.37 %
Gas	78,849	19.93 %
Total IPP	340,967	86.17 %
Co-Gen	497	0.13 %
Total Co-Gen	497	0.13 %
Total Generation	396,628	100.24 %
PLTG	206	0.05 %
HVDC	730	0.18 %
Interconnection	936	0.24 %
Net Energy	395,692	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/13/2023	407,278 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	19,992 MW
TNB Generation	3,403 MW
IPP Generation	15,467 MW
Spinning Reserve	1,102 MW
Maximum Demand	18,810 MW
Net Energy	395,692 MWH
Load Factor	87.65 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	706
Hydro	361
Syncon	689
Thermal	197
Total	1,953

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	23

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	34
Total TNB	63
CBPS	42
EMPP	260
NPRI	127
PCGP	82
SPGP	188
PKLG	37
Total IPP	736
Total Gas	799
Total Gas Required	799

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	16628	15784	15275	14765	14433	14309	14440	14182	14481	16147	16971	17457	17432	17374	18288	18739	18740	17814	16978	16806	17267	17424	17081	16732

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, April 26, 2023 11:13:08 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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	2400	2500																									
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	17	107	247	397	500	511	668	756	773	876	932	848	731	586	583	572	443	387	354	277	182	75	25	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	8	9	6	4	8	2	0	8	7	11	10	10	10	11	12	12	8	2	1	12	15	15	13	16	16	16	10	8	0	0	0	7	8	12	9	10	8	18	8	8	0	0	8	8	12	4	4	7			
PCUF	CUFG	2	4	4	4	4	4	4	3	5	4	5	4	3	3	4	4	5	3	3	4	4	2	4	4	4	4	4	3	3	4	2	4	3	4	3	4	3	2	4	3	3	3	3	3	3	3	3	4			
PCUF	CUFK	6	7	7	8	8	9	8	6	8	8	4	4	2	3	4	4	3	5	3	4	3	2	3	4	3	1	2	4	3	3	3	3	4	3	3	4	3	3	3	5	4	2	3	4	4	3	5				
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
Total Co-Gen		22	26	23	22	26	21	18	23	26	29	25	24	21	23	25	26	21	18	13	25	28	28	27	28	31	30	22	21	14	13	15	20	22	25	23	17	17	25	14	16	9	8	14	15	19	11	11	17			
Total Gen		16666	16246	15816	15634	15309	15080	14791	14590	14455	14352	14369	14360	14477	14410	14220	13924	14514	15502	16167	16624	16986	17295	17476	17623	17456	17347	17393	17855	18295	18688	18778	18890	18850	18591	17865	17393	17013	16795	16855	16932	17334	17448	17506	17450	17119	16962	16749	16576			
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	0	0	0
TIE-HVDC		31	31	30	30	31	31	30	30	31	31	30	30	30	30	30	31	31	29	31	31	31	30	30	30	30	30	30	30	30	30	31	31	30	31	31	30	31	29	29	31	31	31	31	31	31	31	31	31	30	30	
TIE-PLTG		7	-25	3	3	4	-1	-4	17	-9	20	29	32	6	19	8	-4	3	0	-12	-19	-14	-28	-12	-1	-7	-20	-11	-23	-23	3	9	50	79	69	21	24	5	5	18	41	36	26	52	29	7	7	-13	6			
Interconnection		38	6	32	32	34	29	26	47	22	51	60	62	37	49	38	26	33	30	20	13	15	3	19	30	24	10	19	7	7	33	39	80	110	100	51	55	35	35	49	72	67	57	82	60	38	37	17	36			
System Total		16628	16240	15784	15602	15275	15051	14765	14543	14433	14301	14309	14298	14440	14361	14182	13898	14481	15472	16147	16611	16971	17292	17457	17593	17432	17337	17374	17848	18288	18655	18739	18810	18740	18491	17814	17338	16978	16760	16806	16860	17267	17391	17424	17390	17081	16925	16732	16540			
SRev ST-Coal		316	307	254	237	287	376	377	408	630	626	617	614	628	632	631	820	824	366	330	258	200	149	148	198	197	192	182	197	112	135	148	144	194	177	177	164	162	226	200	171	138	156	164	169	259	237	293	250			
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	0	0	0	
SRev CCGT-Gas		1011	1346	1714	1708	1928	2050	2329	2506	2415	2579	2567	2580	2457	2551	2718	2787	2489	2179	1808	1626	1348	1293	1159	1134	1384	1520	1388	788	400	276	268	215	288	320	414	616	892	910	450	434	225	162	253	364	494	473	558	601			
SRev ST-Gas		7	30	58	56	55	55	55	55	55	55	44	7	7	7	7	7	7	7	44	8	8	27	21	21	52	12	17	55	17	8	9	15	18	18	16	8	8	7	8	7	8	7	7	8	7	8	8				
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	0	0	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		615	678	930	930	930	1117	1117	1117	1117	1117	1117	1117	1067	1117	1117	966	1016	1016	1016	1016	1016	1016	1016	1016	928	928	777	928	928	626	439	439	252	126	439	714	714	714	714	626	626	626	626	626	626	500	500	739			
Hydro		282	361	248	131	178	166	170	168	166	214	214	215	299	216	182	317	142	97	96	96	97	97	98	124	103	232	98	99	212	442	476	483	561	456	631	648	649	776	724	737	562	492	408	433	561	568	744	736			
S.Reserve Total		2231	2722	3204	3062	3378	3764	4048	4254	4383	4591	4570	4458	4523	4655	4984	4565	3752	3344	3090	2792	2650	2516	2411	2633	2742	2648	2024	1367	1347	1348	1102	1178	1407	1954	2160	2433	2634	2008	1975	1559	1444	1458	1599	1948	1785	2103	2334				