

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	18,351 MW
Total Co-Gen	0 MW
Total System	23,675 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,983	4.61 %
Gas	33,067	10.89 %
Total TNB	47,050	15.50 %
ST-Coal	168,265	55.43 %
LSS	4,164	1.37 %
Gas	84,617	27.88 %
Total IPP	257,046	84.68 %
Co-Gen	454	0.15 %
Total Co-Gen	454	0.15 %
Total Generation	304,550	100.33 %
PLTG	586	0.19 %
HVDC	425	0.14 %
Interconnection	1,011	0.33 %
Net Energy	303,539	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	15,852 MW
TNB Generation	3,322 MW
IPP Generation	11,273 MW
Spinning Reserve	1,244 MW
Maximum Demand	14,577 MW
Net Energy	303,539 MWH
Load Factor	86.76 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	752
Hydro	542
Syncon	693
Thermal	389
Total	2,376

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	22

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	96
Total TNB	125
CBPS	44
EMPP	277
NPRI	137
PCGP	91
PGLA	14
SPGP	109
Total IPP	671
Total Gas	796
Total Gas Required	796

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	13370	12844	12327	12030	11715	11539	11615	11600	11223	11622	12077	12375	12309	12310	12636	12813	12820	12782	12849	13313	14577	14524	14079	13788

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, February 3, 2023 10:31:27 AM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Sunday

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
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	113	113	113
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	82	82	82
PGAU	HY04	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	21	22
SIHY	HY01	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	50	50
SIHY	HY02	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	50	50
SIHY	HY03	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	50	50
SYPS	HY01	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25
SYPS	HY03	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25
SYPS	HY04	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	86
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	90	90
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	82	82
TMGR	HY04	40	41	45	41	40	43	42	41	40	41	41	41	41	41	74	82	80	67	79	84	77	60	42	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	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
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5
Total Hydro		553	557	560	389	385	390	389	386	405	386	386	385	388	387	389	318	317	352	360	358	346	377	362	692
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	1	3	4	6	9	11	13	15	17	26
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	8	14	18	24	28	17	17
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	7	11	20	20	28	31	32	23
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	7	11	16	25	29	32	24
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	10	12	16	12	11	8	15
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	7	8	13	14	8	4	2
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	17	30	33	39	44	37	23
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	8	15	23	25	24	18	12
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4	6	7	9	16	21	24
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	12	19	27	52	73	70	80	80	66
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	25	24	28	38	41	45	42
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	10	21	26	19	28	29	28
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12	34	30	40	89	96	71	53	86
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	8	11	20	23	18	16	21
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	6	6	8	7	12	3	3
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	6	7	6	8	12	10	13
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	8	13	17	16	23	15	33
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	8	19	45	56	30	30	29	29
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	14	21	31	34	41	39	41
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	16	18	26	37	32	37	44
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	4	3	6	10
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5	7	11	7	15	15	13
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	2	17	76	148	193	292	482	575	556	570	618
ESTL	ESTL	0	13	13	0	13	15	0	16	17	6	7	22	13	24	0	0	0	0	0	0	0	0	0	7
KHTC	BLK1	4	2	3	4	0	2	3	2	3	3	5	3	3	4	4	5	1	1	2	2	0	3	1	2

Daily MW Generation on Sunday

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	4	3	3	5	3	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	3	3	3	4	3	4	5	4	3	4	4	4	4	3	4	3	3											
PCUF	CUFK	5	4	3	4	5	4	5	5	4	5	5	4	5	5	4	4	5	4	4	4	3	5	4	7	4	5	5	5	6	5	4	4	3	4	3	3	4	3	3												
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												
Total Co-Gen		18	27	27	18	26	30	17	32	33	23	27	38	31	43	15	19	13	16	14	16	14	16	15	16	22	19	19	19	12	15	15	18	13	15	16	15	14	16	14	12	13	12	14	13	14	16	15	15			
Total Gen		13431	13139	12916	12704	12357	12189	12086	11890	11778	11621	11599	11632	11648	11800	11651	11489	11304	11556	11676	11951	12188	12399	12449	12534	12363	12361	12327	12555	12638	12773	12843	12832	12856	12893	12847	12820	12850	12969	13384	14202	14608	14576	14535	14316	14061	13957	13804	13497			
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		31	30	30	30	30	30	30	31	31	29	29	31	31	30	30	29	29	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	31	31	31	31	-29	-29	-29	-30	-30	-28	-30	-28	-31	-31	29	29			
TIE-PLTG		31	56	43	-14	0	12	27	-12	31	41	30	11	3	30	21	53	52	63	23	28	80	75	44	-21	24	8	-13	-21	-29	-39	0	14	5	-4	34	55	30	14	101	68	60	58	41	23	13	17	-13	22			
Interconnection		61	86	72	16	30	41	56	19	63	70	60	41	33	60	51	83	81	94	54	58	111	105	74	9	54	38	17	9	2	-9	30	44	36	28	65	85	1	-16	71	38	31	30	11	-5	-18	-13	16	51			
System Total		13370	13053	12844	12688	12327	12148	12030	11871	11715	11551	11539	11591	11615	11740	11600	11406	11223	11462	11622	11893	12077	12294	12375	12525	12309	12323	12310	12546	12636	12782	12813	12788	12820	12865	12782	12735	12849	12985	13313	14164	14577	14546	14524	14321	14079	13970	13788	13446			
SRev ST-Coal		341	442	452	434	450	449	446	439	462	435	449	447	447	436	488	435	480	432	456	444	436	439	442	423	424	428	425	438	430	431	447	423	429	428	445	422	435	438	430	312	310	307	295	292	294	287	300	390			
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		590	793	1004	1060	1204	1376	1467	1679	1797	1944	1957	1939	1918	1791	1862	1915	2161	2048	1989	1767	1623	1637	1652	1225	1097	1185	1216	946	850	652	560	735	660	548	495	444	387	236	403	400	358	285	192	213	209	255	354	413			
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	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	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		928	928	928	928	928	928	928	777	928	928	928	928	928	928	928	928	928	928	928	928	928	777	928	466	928	928	928	928	928	928	928	928	928	928	928	928	778	777	928	401	126	126	126	126	313	651	651	651	739		
Hydro		657	653	650	596	600	595	596	599	731	599	599	600	597	598	596	567	568	533	525	527	539	659	523	655	518	538	537	537	538	535	538	540	493	465	467	496	711	533	940	817	450	557	641	579	499	566	606	532			
S.Reserve Total		2516	2816	3034	3018	3182	3348	3437	3645	3767	3906	3933	3914	3890	3753	3874	3845	4137	3941	3898	3666	3526	3512	3545	2769	2967	3079	3106	2849	2746	2546	2473	2626	2510	2369	2335	2140	2310	2135	2174	1655	1244	1275	1254	1397	1653	1759	1911	2074			