

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,485 MW
Distillate	0 MW
Total TNB	2,485 MW
Total IPP	16,842 MW
Total Co-Gen	0 MW
Total System	22,315 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,457	4.99 %
Gas	38,820	12.54 %
Total TNB	54,277	17.53 %
ST-Coal	160,525	51.84 %
LSS	4,760	1.54 %
Gas	88,881	28.70 %
Total IPP	254,166	82.08 %
Co-Gen	630	0.20 %
Total Co-Gen	630	0.20 %
Total Generation	309,073	99.81 %
PLTG	198	0.06 %
EGAT	5	0.00 %
HVDC	-796	-0.26 %
Interconnection	-593	-0.19 %
Net Energy	309,666	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	16,511 MW
TNB Generation	2,567 MW
IPP Generation	12,060 MW
Spinning Reserve	1,846 MW
Maximum Demand	14,679 MW
Net Energy	309,666 MWH
Load Factor	87.90 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	275
Hydro	827
Syncon	339
Thermal	801
Total	2,242

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	55
TJGS	102
Total TNB	157
EMPP	307
NPRI	160
PCGP	88
SPGP	105
Total IPP	660
Total Gas	817
Total Gas Required	817

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	14041	13365	12967	12498	12133	11979	11951	11868	11244	11598	12182	12401	12349	12387	12769	13112	13267	13302	13220	13710	14679	14551	14177	13860

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, February 8, 2023 10:00:07 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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	10	0	0	0
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	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	-1	-1
PGAU	HY02	21	21	21	21	21	19	21	21	21	21	114	22	22	22	22	22	22	22	22	22	22	21	21	21	21	22
PGAU	HY03	22	22	22	22	22	20	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21
PGAU	HY04	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	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	-1	-1
TMGR	HY03	42	40	71	42	84	84	40	34	48	51	58	59	67	84	59	39	37	39	85	79	84	63	39	38	38	39
TMGR	HY04	31	30	30	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	83	92	88	
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	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	5	5
Total Hydro		570	563	615	541	579	580	533	519	541	545	549	553	561	577	741	532	592	597	661	657	662	641	615	612	612	611
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	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	0	0
BKLS	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	0	0
BSLS	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	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	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	0	0
GELS	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	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	0	0
JELS	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	0	0
JLSL	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	0	0
KDLS	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	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	0	0
KMLS	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	0	0
KNLS	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	0	0
KRLS	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	0	0
MALS	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	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	0	0
MNLS	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	0	0
PKLS	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	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	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	0	0
STLS	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	0	0
TBLS	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	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	0	0
ESTL	ESTL	9	15	15	14	11	11	13	9	9	10	11	9	11	13	17	21	18	17	15	15	12	13	11	9	10	12
KHTC	BLK1	2	4	4	3	3	5	4	3	3	3	1	2	3	2	2	2	1	3	2	2	0	3	3	0	0	0
PCUF	CUFG	4	4	3	4	4	4	4	2	4	4	4	4	5	4	4	3	4	4	4	3	3	4	4	4	4	4
PCUF	CUFK	4	6	4	4	5	5	5	5	6	3	5	5	5	5	4	5	4	5	4	5	5	5	5	5	5	5

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																										
PFTZ	PFTZ	2	3	2	2	2	2	3	2	2	2	2	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	4	4	4	4	3	4	3	2	2							
Total Co-Gen		21	32	28	27	25	27	29	21	24	22	23	22	26	28	30	34	34	33	29	27	24	28	25	21	24	23	31	28	19	26	23	22	25	26	19	22	22	23	28	31	38	36	38	28	20	31	21	20		
Total Gen		14006	13652	13314	13134	12890	12618	12463	12236	12071	11988	11931	11902	11939	11968	11852	11577	11256	11356	11516	11783	12117	12372	12408	12442	12311	12326	12337	12575	12703	12969	13090	13231	13311	13321	13312	13243	13186	13314	13727	14459	14665	14555	14559	14349	14196	13988	13844	13611		
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	-31	-28	-31	-29	-28	-29	-31	-31	-28	-31	-31	-28	-29	-28	-28	-31	-29	-29	-30	-28	-31	-28	-28	-28	-31	-31	-28	-28	-28	-28	-28	-48	-48	-49	-47	-50	-50	-48	-49	-49	-48	-29							
TIE-PLTG		-5	19	-23	-34	-49	-28	-7	0	-32	21	-17	-28	16	-15	12	64	42	8	-54	-20	-37	-19	35	31	-10	-22	-21	-36	-38	-35	8	34	71	46	37	-7	-5	28	65	93	32	71	58	47	68	55	32	-57		
Interconnection		-35	-11	-51	-64	-77	-56	-35	-30	-62	-7	-48	-58	-12	-44	-16	36	12	-21	-82	-50	-65	-49	7	2	-38	-52	-50	-64	-66	-65	-22	3	44	19	10	-36	-34	-20	17	44	-14	21	8	0	19	6	-16	-86		
System Total		14041	13663	13365	13198	12967	12674	12498	12266	12133	11995	11979	11960	11951	12012	11868	11541	11244	11377	11598	11833	12182	12421	12401	12440	12349	12378	12387	12639	12769	13034	13112	13228	13267	13302	13302	13279	13220	13334	13710	14415	14679	14534	14551	14349	14177	13982	13860	13697		
SRev ST-Coal		515	574	796	811	1005	1070	1067	1071	1143	1139	1142	1150	1133	1131	1098	1097	1098	1088	1093	1095	1094	1090	1098	1107	1089	1105	1093	1092	1097	1106	1024	920	741	727	605	539	541	547	534	281	226	247	240	299	333	369	607	746		
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	
SRev CCGT-Gas		170	257	174	255	167	154	266	467	446	418	345	344	340	226	252	434	793	807	784	743	474	277	340	367	504	475	470	257	165	174	145	125	172	216	195	177	154	153	167	297	166	245	245	305	257	232	97	135		
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
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
Syncon		714	714	563	714	802	802	802	802	802	802	802	802	802	802	615	802	802	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	464	651	651	802	802	615	428	428	428	428	554	554	466	653	653	
Hydro		756	763	862	785	659	658	705	719	697	693	689	685	677	661	684	706	746	745	713	717	712	733	759	762	762	762	763	714	711	738	711	708	755	756	754	737	756	750	890	1045	1026	1034	1039	994	971	967	843	821		
S.Reserve Total		2155	2308	2395	2565	2633	2684	2840	3059	3088	3052	2978	2981	2952	2820	2649	3039	3439	2917	2867	2832	2557	2377	2474	2513	2632	2619	2603	2340	2250	2295	2157	2030	1945	2163	2205	2104	2253	2252	2206	2051	1846	1954	1952	2152	2142	2034	2200	2355		