

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,112 MW
Distillate	0 MW
Total TNB	2,112 MW
Total IPP	19,341 MW
Total Co-Gen	0 MW
Total System	25,161 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,517	3.84 %
Gas	39,348	10.40 %
Total TNB	53,865	14.24 %
ST-Coal	225,816	59.69 %
LSS	7,354	1.94 %
Gas	91,710	24.24 %
Total IPP	324,880	85.87 %
Co-Gen	582	0.15 %
Total Co-Gen	582	0.15 %
Total Generation	379,327	100.26 %
PLTG	263	0.07 %
HVDC	730	0.19 %
Interconnection	993	0.26 %
Net Energy	378,334	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/12/2023	401,811 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,796 MW
TNB Generation	3,033 MW
IPP Generation	14,729 MW
Spinning Reserve	1,011 MW
Maximum Demand	17,756 MW
Net Energy	378,334 MWH
Load Factor	88.78 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	439
Hydro	325
Syncon	709
Thermal	284
Total	1,757

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Rainy	24

Gas Usage

Station	(mmscfd)
GLGR	48
Total TNB	48
CBPS	44
EMPP	301
NPRI	145
PCGP	89
SPGP	208
Total IPP	787
Total Gas	835
Total Gas Required	835

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	15348	14524	13936	13589	13240	13277	13540	13397	13667	15203	15980	16415	16422	16153	17154	17563	17738	17367	16776	16735	17482	17704	17404	17246

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, April 13, 2023 9:48:45 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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
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	19	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	21	142	142	140
PGAU	HY02	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	16	22	22	22
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	85	85	85
TMGR	HY04	37	41	41	43	41	40	40	37	40	41	42	41	46	43	46	42	72	41	41	41	41	65	41	85
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	184	181	182
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	89	94	-1
UPIA	HY01	6	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
Total Hydro		420	405	409	401	370	383	364	354	358	374	356	337	342	313	315	321	341	290	265	327	348	393	376	423
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
BDSL	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
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
BSL	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
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
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
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
GMLS	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	14	10	8	9	11	14	11	12	12	11	12	11	10	7	10	10	10	16	20	14	14	14	14	6
KHTC	BLK1	0	0	0	0	0	1	2	3	1	3	1	3	3	2	0	0	0	0	0	0	0	0	0	0
PCUF	CUFPG	2	3	4	3	4	3	3	3	4	3	3	4	1	3	3	3	5	4	4	3	5	3	3	3
PCUF	CUFK	3	4	3	2	3	3	3	3	4	3	3	3	2	4	3	3	3	5	3	2	5	2	4	3
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Daily MW Generation on Thursday

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 Co-Gen		25	23	21	20	24	27	25	27	27	26	25	27	22	23	24	22	24	29	35	26	27	28	25	19	24	25	25	10	22	20	23	25	26	21	23	18	21	25	19	33	28	23	26	27	29	25	23	24			
Total Gen		15369	14893	14509	14214	13961	13862	13655	13376	13253	13183	13296	13384	13589	13628	13417	13232	13687	14686	15250	15659	15994	16275	16426	16597	16491	16272	16299	16791	17244	17563	17618	17691	17748	17755	17409	17071	16822	16686	16781	17002	17515	17785	17745	17645	17445	17379	17309	16931			
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	
TIE-HVDC		30	30	31	31	30	30	30	30	31	31	31	31	30	30	31	31	31	31	31	31	31	30	30	30	30	31	30	30	31	31	31	31	31	29	31	31	31	30	29	29	29	29	29	29	29	31	31	31			
TIE-PLTG		-9	-11	-46	3	-5	28	36	15	-17	1	-12	4	18	15	-11	-9	-11	28	17	1	-17	-29	-19	10	39	8	115	102	60	42	24	-1	-21	1	10	8	15	2	15	28	4	-1	12	9	12	0	32	30			
Interconnection		21	19	-15	34	25	58	66	45	13	32	19	35	49	45	20	22	20	58	47	32	14	1	11	40	69	38	146	132	90	73	55	30	10	32	42	37	46	33	46	58	33	29	41	39	41	31	63	62			
System Total		15348	14874	14524	14180	13936	13804	13589	13331	13240	13151	13277	13349	13540	13583	13397	13210	13667	14628	15203	15627	15980	16274	16415	16557	16422	16234	16153	16659	17154	17490	17563	17661	17738	17723	17367	17034	16776	16653	16735	16944	17482	17756	17704	17606	17404	17348	17246	16869			
SRev ST-Coal		341	407	550	808	806	799	800	853	855	867	863	859	866	862	869	853	948	795	603	416	348	344	349	336	297	297	301	314	313	308	284	241	253	239	227	307	285	234	246	224	220	156	158	156	158	150	159	185			
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		775	871	700	696	926	1016	986	1194	1086	980	843	739	529	470	670	909	660	444	603	803	735	632	609	540	657	994	951	560	432	442	468	427	300	302	389	392	377	371	264	502	226	152	186	173	267	181	204	406			
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	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		978	1079	1079	1079	1079	928	1079	1079	1079	1054	1205	1205	1205	1205	1054	1205	1205	1205	1104	1104	1104	953	1104	1104	676	676	676	489	489	791	791	703	516	516	829	1016	953	953	527	401	275	275	275	275	550	550	574	676			
Hydro		288	202	198	206	237	375	243	253	249	233	276	144	139	168	166	311	140	191	216	255	234	189	357	174	259	308	313	266	409	382	223	192	193	243	406	250	192	303	278	438	381	428	435	551	657	538	574	599			
S.Reserve Total		2382	2559	2527	2789	3048	3118	3108	3379	3269	3159	3036	2947	2739	2705	2910	3127	2953	2635	2627	2578	2421	2269	2268	2154	2317	2275	2241	1816	1643	1621	1766	1651	1449	1300	1538	1778	1870	1861	1749	1691	1228	1011	1054	1155	1357	1419	1487	1866			