

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,163 MW
Distillate	0 MW
Total TNB	2,163 MW
Total IPP	18,472 MW
Total Co-Gen	0 MW
Total System	23,917 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,716	4.06 %
Gas	43,946	11.36 %
Total TNB	59,662	15.42 %
ST-Coal	241,075	62.30 %
LSS	5,146	1.33 %
Gas	80,085	20.70 %
Total IPP	326,306	84.33 %
Co-Gen	254	0.07 %
Total Co-Gen	254	0.07 %
Total Generation	386,222	99.81 %
PLTG	-18	0.00 %
HVDC	-705	-0.18 %
Interconnection	-723	-0.19 %
Net Energy	386,945	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:	14:30:00 Hour
Total Set On Bus	19,409 MW
TNB Generation	2,680 MW
IPP Generation	15,450 MW
Spinning Reserve	1,298 MW
Maximum Demand	18,124 MW
Net Energy	386,945 MWH
Load Factor	88.96 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	700
Hydro	424
Syncon	544
Thermal	202
Total	1,870

Time	Weather	Temperature
Afternoon	Cloudy	34
Morning	Sunny	23

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	92
Total TNB	142
CBPS	2
EMPP	256
KLPP	61
NPRI	127
PCGP	81
SPGP	160
Total IPP	687
Total Gas	829
Total Gas Required	829

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	16090	15323	14732	14310	13858	13649	13861	14052	14322	15960	16818	17243	17046	16864	17685	18030	18004	17622	16549	16593	17452	17286	16783	16436

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 24, 2023 9:37:23 AM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

[illegible]

Daily MW Generation on Wednesday

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
HTRG	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
HTRG	HY03	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
HTRG	HY04	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
KNRG	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
KNRG	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
KNRG	HY03	39	39	39	39	39	39	39	39	39	21	21	39	39	22	22	22	22	22	22	22	22	22	22	22
KNYR	HY01	97	97	97	97	58	58	58	58	56	59	57	60	97	97	95	-1	-1	-1	-1	97	97	97	97	97
KNYR	HY02	95	95	95	96	58	58	57	57	56	59	58	60	98	98	55	55	60	98	98	97	97	97	97	97
KNYR	HY04	99	99	100	101	99	99	98	57	56	58	57	-1	-1	-1	-1	99	98	98	98	98	98	98	98	98
LPIA	HY01	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	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	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	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	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
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
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
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	82	81	81	81
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	88	88	88	88	88
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	32	32	32	32
TMGR	HY04	41	44	68	58	42	42	41	40	41	41	39	48	82	78	36	39	75	44	41	84	84	82	82	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	185	184	183	180	183
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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		519	521	546	539	462	442	439	397	394	402	414	325	434	458	371	248	292	418	395	535	546	543	545	561
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	0	0	0	0	0	0	0	0	0	0
BKLS	LSS2	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	LSS2	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	LSS2	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
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	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	LSS3	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	LSS2	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	LSS3	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	LSS2	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	LSS2	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	LSS3	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	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNLS	LSS4	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

Daily MW Generation on Wednesday

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																								
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	6	5	7	16	18	19	11	11	13	19	13	8	12	8	6	3	4	5	4	2	1	0	0	0	0	0	0	0	0				
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	10	9	11	23	30	8	13	14	20	17	19	30	14	30	30	20	9	3	4	2	0	0	0	0	0	0	0	0	0			
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	20	93	248	358	464	453	585	589	651	733	740	650	765	665	657	603	580	412	364	257	213	108	78	21	3	0	0	0	0	0	0	0	0		
ESTL	ESTL	0	0	1	0	2	2	0	0	0	8	10	9	1	4	10	7	0	8	0	0	0	13	12	3	15	0	0	0	6	0	0	10	6	11	0	2	0	2	0	0	2	11	2	0	0	0	0	
KHTC	BLK1	-20	-21	-21	-21	-21	-20	-23	-20	-17	-16	-17	-17	-16	-21	-19	-25	-26	-28	-28	-30	-31	-32	-38	-40	-41	-41	-38	-44	-46	-48	-45	-38	-36	-31	-29	-27	-30	-30	-22	-26	-23	-24	-26	-23	-22	-22	-19	
PCUF	CUFG	23	22	24	23	24	24	23	22	23	23	24	24	23	23	24	22	24	24	24	22	22	21	21	20	21	22	20	21	21	20	21	22	22	22	21	21	21	21	22	21	21	23	26	26	25			
PCUF	CUFK	3	3	3	1	5	4	3	23	20	21	22	21	23	21	22	21	22	21	23	21	20	2	3	4	2	3	2	3	2	3	2	2	3	3	2	1	3	2	1	3	2	2	4	2	4	4		
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Total Co-Gen		10	8	11	7	14	14	7	29	30	40	43	41	35	36	38	37	24	31	22	21	18	10	9	-5	2	-12	-15	-10	-10	-19	-19	-8	-5	3	-3	1	2	0	-2	5	2	17	5	1	8	10	12	14
Total Gen		16062	15595	15283	14988	14684	14478	14286	14030	13817	13743	13625	13707	13833	14216	14056	13819	14282	15264	15906	16350	16827	17058	17218	17291	17013	16872	16851	17321	17707	18111	17992	17923	17951	17937	17590	16951	16527	16276	16574	17232	17444	17436	17258	17112	16752	16640	16379	15960
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		
TIE-HVDC		-30	-30	-31	-31	-29	-29	-30	-30	-28	-28	-30	-29	-30	-29	-30	-29	-30	-29	-29	-30	-30	-29	-29	-30	-30	-31	-31	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-30	-29	-28	-29	-28		
TIE-PLTG		2	12	-9	2	-19	-13	6	-17	-13	0	6	-2	2	18	35	13	-11	-1	-25	2	37	-10	5	12	-4	-11	17	-5	52	18	-9	-30	-23	-3	-2	-4	7	-29	10	1	22	-5	0	-4	-3	-22	-28	-13
Interconnection		-28	-17	-40	-28	-48	-42	-24	-47	-41	-28	-24	-31	-28	-11	4	-17	-40	-32	-54	-26	9	-40	-25	-18	-33	-39	-13	-35	22	-13	-38	-59	-53	-32	-32	-33	-22	-58	-19	-28	-8	-34	-28	-34	-31	-52	-57	-42
System Total		16090	15612	15323	15016	14732	14520	14310	14077	13858	13771	13649	13738	13861	14227	14052	13836	14322	15296	15960	16376	16818	17098	17243	17309	17046	16911	16864	17356	17685	18124	18030	17982	18004	17969	17622	16984	16549	16334	16593	17260	17452	17470	17286	17146	16783	16692	16436	16002
SRev ST-Coal		154	171	325	309	355	420	443	464	481	481	487	468	662	580	543	486	484	379	213	170	202	184	181	200	200	181	198	186	177	188	215	330	288	209	187	157	163	180	167	171	199	171	155	174	197	161	174	163
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		
SRev CCGT-Gas		1385	1835	1672	1873	2061	2100	2253	2470	2550	2793	2918	2760	2726	2521	2636	2829	2470	2000	1655	1539	1180	1190	1038	1203	1752	1851	1805	1298	608	257	220	222	154	145	240	582	799	981	641	246	208	233	397	312	759	755	1021	1453
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	
SRev Co-Gen		0	0	0	1	0	0	0	0	0	0	1	0	0	-1	1	0	1	0	1	0	0	0	0	1	0	1	2	0	1	1	0	0	0	1	0	1	0	2	0	0	-1	0	0	0	0	0	0	-1
Syncon		978	978	978	978	827	978	978	978	978	827	1079	1079	1079	1079	1180	1180	928	1079	978	978	978	978	978	978	978	978	978	978	313	313	313	313	126	126	126	588	588	739	739	552	277	277	365	365	640	827	827	827
Hydro		136	134	109	116	344	213	216	258	261	253	392	229	120	96	183	205	161	287	159	120	109	112	110	245	114	188	145	109	504	539	585	552	635	630	776	589	686	555	551	610	677	703	583	483	422	319	318	318
S.Reserve Total		2653	3118	3084	3277	3587	3711	3890	4170	4270	4505	4625	4536	4587	4275	4442	4700	4296	3594	3107	2807	2469	2464	2307	2476	3044	3199	3128	2571	1603	1298	1333	1417	1203	1111	1329	1917	2236	2457	2098	1579	1360	1384	1500	1334	2018	2062	2340	2760