

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,337 MW
Distillate	0 MW
Total TNB	2,337 MW
Total IPP	19,631 MW
Total Co-Gen	0 MW
Total System	25,970 MW

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:	16:30:00 Hour
Total Set On Bus	18,666 MW
TNB Generation	3,248 MW
IPP Generation	14,127 MW
Spinning Reserve	1,269 MW
Maximum Demand	17,323 MW
Net Energy	361,029 MWH
Load Factor	86.84 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	56
Total TNB	84
CBPS	42
EMPP	264
NPRI	147
PCGP	82
SPGP	189
Total IPP	725
Total Gas	809
Total Gas Required	809

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Hydro	14,362	3.98 %
Gas	41,549	11.51 %
Total TNB	55,911	15.49 %
ST-Coal	214,598	59.44 %
LSS	7,165	1.98 %
Gas	83,630	23.16 %
Total IPP	305,393	84.59 %
Co-Gen	651	0.18 %
Total Co-Gen	651	0.18 %
Total Generation	361,955	100.26 %
PLTG	273	0.08 %
HVDC	653	0.18 %
Interconnection	926	0.26 %
Net Energy	361,029	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	475
Hydro	358
Syncon	694
Thermal	234
Total	1,761

Time	Weather	Temperature
Afternoon	Cloudy	34
Morning	Sunny	24

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	14460	13739	13255	12816	12529	12263	12369	12519	12919	14462	15266	15848	15866	16063	16605	16905	17237	17024	16089	16011	17004	16821	16298	15981

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, April 27, 2023 9:59:12 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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																														
LPIA	HY02	11	11	11	11	10	11	11	10	10	11	11	12	14	14	14	15	15	15	15	15	14	14	12	12	13	14																												
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																													
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	-1	-1	-1																												
PGAU	HY02	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	82	82	-1	-1	-1	82	82	21	20	20	-1	-1																									
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	21	0	0	0	21	21	21	21	0	0	0	0																								
PGAU	HY04	-1	-1	-1	-1	19	22	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1																								
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	30	30	30	30	30	30	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	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	30	30	30	30	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	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17																							
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17																							
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	86	84	84	34	-1	-1	-1	85	85	85	85	85	-1	-1																							
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	46	45	92	92	92	92	80	81	77	91	83	88	91	90	88	90	85	86	75	67	91	54	56	61	47	45	35	-1	-1												
TMGR	HY03	66	50	41	41	41	40	42	41	40	47	39	41	41	41	56	62	84	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
TMGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	182	183	182	183	182	183	182	183	182	183	182	183	182	183	182	183	182	183	182	183	182	183	182	183													
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	102	94	92	95	94	-1	-1	95	95	94	92	91	-1	-1	-1	-1	-1	-1	-1	-1	-1															
UPIA	HY01	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														
UPIA	HY02	4	5	4	4	5	5	5	4	4	5	5	5	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 Hydro		259	250	231	231	464	463	487	486	467	482	468	453	455	456	457	472	477	501	498	462	455	507	333	349	292	345	346	425	448	750	787	1061	1075	1386	1220	1015	591	354	376	1029	1191	1193	1057	876	673	642	592	534						
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	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	1	3	7	10	13	15	18	20	22	22	24	26	13	11	23	22	20	4	13	10	9	6	2	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	1	2	7	10	13	14	18	21	28	20	30	27	32	24	28	17	18	21	20	15	11	1	2	1	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	4	7	12	15	18	24	28	31	26	29	32	32	24	25	21	22	28	20	20	15	11	6	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	3	10	17	23	26	23	37	36	42	41	43	43	16	40	29	31	15	27	23	17	4	3	1	1	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	2	7	9	16	15	26	27	18	35	18	31	11	13	13	16	25	6	5	12	6	5	2	2	1	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	2	5	8	9	6	22	8	29	28	30	29	29	28	26	24	21	16	14	7	4	2	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	1	4	8	13	23	26	30	31	38	38	22	27	19	9	32	39	33	35	6	22	18	11	4	1	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	1	3	7	10	18	23	27	29	24	25	19	20	32	17	27	20	21	27	23	16	10	6	3	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	1	4	10	11	15	26	23	41	34	27	21	31	28	37	29	25	34	33	27	24	5	6	3	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	9	19	33	42	57	65	77	87	66	92	91	91	86	82	54	48	48	64	53	42	17	10	4	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	5	10	15	21	27	32	36	40	43	39	44	45	47	29	22	23	21	18	25	17	10	4	2	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	3	17	28	46	47	62	83	93	96	105	100	100	100	100	100	92	91	82	32	74	22	29	14	4	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	1	5	7	12	14	16	25	24	30	28	28	30	30	30	26	30	27	27	15	7	7	12	5	1	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	1	5	10	18	18	27	29	22	20	30	28	18	26	29	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19			
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	6	12	19	24	32	36	36	41	47	46	22	45	47	44	41	39	33	24	22	16	7	4	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	7	24	51	67	76	87	79	77	85	94	75	95	87	97	95	92	93	87	80	65	44	29	11	1	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	14	35	45	19	88	93	82	64	102	107	110	110	110	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	6	12	20	28	31	40	46	51	28	47	32	52	17	27	44	35	24	36	1	3	3	2	1	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	1	3	12	13	22	28	33	37	39	42	44	43	42	41	36	37	29	17	23	15	7	6	2	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	1	4	5	10	13	15	7	13	14	19	7																																

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																											
Total Co-Gen		33	31	34	33	34	31	33	33	29	33	31	36	31	33	35	36	33	31	26	31	29	29	26	27	29	19	18	20	23	26	21	22	24	22	21	23	23	28	30	31	26	27	25	23	24	19	6	16			
Total Gen		14495	14203	13770	13593	13283	13146	12844	12724	12567	12438	12302	12339	12416	12486	12560	12503	12937	13828	14484	14872	15272	15602	15830	15828	15903	15838	16091	16385	16652	17005	16947	17203	17279	17397	17098	16690	16163	15754	16044	16632	17085	17031	16912	16650	16361	16380	16042	15771			
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		31	31	31	30	30	31	31	30	30	31	31	30	30	31	31	31	31	31	31	29	31	38	33	34	34	34	0	0	0	0	0	0	0	0	0	32	32	33	33	33	32	34	34	34	32	33	33	34	34	32	
TIE-PLTG		4	-5	0	-23	-2	3	-3	-16	8	-14	8	26	17	-8	11	1	-13	1	-8	-20	-26	-35	-51	-18	3	-4	28	17	47	42	42	42	42	42	42	42	42	42	42	-4	1	17	47	43	60	46	30	8	28	7	
Interconnection		35	26	31	7	28	33	28	14	38	17	39	56	47	23	41	32	18	31	22	9	6	3	-18	16	37	31	28	17	47	42	42	42	42	74	74	74	74	30	33	51	81	76	91	79	63	42	61	38			
System Total		14460	14177	13739	13586	13255	13113	12816	12710	12529	12421	12263	12283	12369	12463	12519	12471	12919	13797	14462	14863	15266	15599	15848	15812	15866	15807	16063	16368	16605	16963	16905	17161	17237	17323	17024	16616	16089	15724	16011	16581	17004	16955	16821	16571	16298	16338	15981	15733			
SRev ST-Coal		162	271	707	708	670	587	617	622	620	645	615	609	635	663	676	655	657	666	621	437	316	279	268	290	282	277	285	253	147	174	207	154	144	189	163	171	166	177	149	156	151	156	159	157	160	162	159	156			
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	0
SRev CCGT-Gas		450	722	899	1073	1658	2366	2299	2308	2356	2477	2632	2585	2484	2380	2243	2304	1981	1301	1091	1038	957	771	452	496	384	505	514	622	404	376	357	313	205	346	468	500	497	577	562	495	215	243	221	302	386	329	607	833			
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		1356	1356	1356	1356	1255	1255	1104	1104	1104	953	953	1104	1104	1104	1104	1104	1104	1104	1016	1016	1016	1117	966	966	1117	1117	1117	1117	829	829	554	554	403	403	554	779	1117	1117	151	0	0	151	439	714	1016	1104	953				
Hydro		144	153	172	172	140	141	268	269	288	274	288	152	150	149	148	133	128	104	107	144	151	99	172	307	264	160	159	167	144	230	243	244	230	331	547	451	389	188	166	479	816	814	799	692	470	349	311	420			
S.Reserve Total		2112	2502	3134	3309	3723	4349	4288	4303	4368	4499	4488	4450	4373	4296	4171	4196	3870	3175	2923	2635	2440	2165	2009	2059	1896	2059	2075	2159	1812	1609	1636	1265	1133	1269	1581	1676	1831	2059	1994	1281	1182	1213	1330	1590	1730	1856	2181	2362			