

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,412 MW
Distillate	0 MW
Total TNB	2,412 MW
Total IPP	20,300 MW
Total Co-Gen	0 MW
Total System	26,125 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,976	3.60 %
Gas	35,057	9.02 %
Total TNB	49,033	12.62 %
ST-Coal	247,382	63.65 %
ST-Gas	1,249	0.32 %
LSS	6,600	1.70 %
Gas	84,712	21.80 %
Total IPP	339,943	87.47 %
Co-Gen	425	0.11 %
Total Co-Gen	425	0.11 %
Total Generation	389,401	100.19 %
PLTG	17	0.00 %
HVDC	724	0.19 %
Interconnection	741	0.19 %
Net Energy	388,660	100.00 %

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:	15:30:00 Hour
Total Set On Bus	19,894 MW
TNB Generation	2,413 MW
IPP Generation	15,765 MW
Spinning Reserve	1,697 MW
Maximum Demand	18,161 MW
Net Energy	388,660 MWH
Load Factor	89.17 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	413
Hydro	348
Syncon	820
Thermal	249
Total	1,830

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	23

Gas Usage

Station	(mmscfd)
GLGR	29
Total TNB	29
CBPS	42
EMPP	279
NPRI	140
PCGP	82
SPGP	196
PKLG	12
Total IPP	751
Total Gas	780
Total Gas Required	780

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	16141	15508	14883	14364	14098	13925	13905	13770	14114	15673	16473	17089	17123	17127	17790	18142	18129	17424	16713	16580	17314	17644	17308	16946

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, April 26, 2023 11:19:16 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
KNYR	HY03	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
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	17	20	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY04	17	0	0	-1	-1	-1	-1	-1	-1	-1	17	15	-1	-1	-1	-1	15	-1	-1	-1	-1	-1	-1	-1
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
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
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
SYPS	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
TMGR	HY01	31	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	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
TMGR	HY03	29	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	39	42	41	41	43	42	42	41	41	41	39	38	40	42	39	41	84	86	60	52	85	85	83	83
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	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
Total Hydro		413	343	263	238	241	242	240	237	234	233	245	242	228	325	228	280	395	375	347	385	458	528	540	499
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	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
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
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
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	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
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	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	3	2	0	6	9	8	7	4	6	9	6	7	10	8	10	16	16	17	16	14	14	18	0	1

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																											
PCUF	CUFG	3	4	3	3	2	3	4	4	3	4	3	2	3	2	4	3	5	3	5	3	4	4	4	4	3	3	4	3	3	4	3	4	3	4	5	5	4	4	4	3	3	3	3	4	1						
PCUF	CUFK	5	6	8	7	6	7	8	7	7	5	8	7	9	7	8	9	8	7	7	5	6	7	6	9	10	8	3	2	3	2	2	2	2	2	2	2	2	3	2	4	2	2	2	2	4	3					
PFTZ	PFTZ	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	7	7	7	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0				
Total Co-Gen		12	12	11	16	17	18	19	15	17	19	18	17	23	18	23	29	30	28	29	23	25	30	10	14	19	19	12	19	20	19	22	19	19	19	21	16	10	16	19	16	20	17	21	17	13	5	5	8	8		
Total Gen		16207	15830	15586	15204	14929	14672	14397	14231	14144	14050	13977	13921	13921	14019	13808	13801	14109	15080	15673	16114	16480	16844	17094	17249	17118	17054	17124	17542	17793	18168	18199	18197	18180	18028	17440	16953	16723	16469	16609	16914	17352	17642	17694	17622	17361	17251	16982	16781			
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	29	30	30	30	29	30	30	30	30	31	31	30	30	29	29	31	31	29	30	31	31	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	32	30	31	31	29	29	32	29				
TIE-PLTG		35	41	48	11	17	21	4	-1	17	11	22	33	-15	17	8	-31	-35	-30	-30	-16	-22	-29	-25	-30	-35	1	-33	-12	-27	-7	27	6	20	6	-14	-27	-20	-1	-1	17	6	13	18	11	24	23	4	16			
Interconnection		66	70	78	41	46	51	33	29	46	40	52	63	16	48	38	-2	-5	-1	0	16	7	2	5	0	-5	31	-3	18	3	23	57	36	51	37	16	3	10	29	29	47	38	43	50	42	53	52	36	45			
System Total		16141	15760	15508	15163	14883	14621	14364	14202	14098	14010	13925	13858	13971	13770	13803	14114	15081	15673	16098	16473	16842	17089	17249	17123	17023	17127	17524	17790	18145	18142	18161	18129	17991	17424	16950	16713	16440	16580	16867	17314	17599	17644	17580	17308	17199	16946	16736				
SRev ST-Coal		309	358	370	412	388	673	700	691	694	706	696	696	711	692	704	698	706	692	662	345	304	296	286	287	308	319	295	261	213	193	198	177	177	172	170	197	195	183	168	178	202	175	179	190	197	209	266	319			
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		769	877	909	1116	1463	1397	1613	1788	1818	1828	1906	1927	1844	1801	1913	1995	1800	1071	718	737	582	330	211	195	411	353	324	312	279	478	409	440	241	313	762	1028	1012	1182	1011	776	474	302	262	297	414	410	355	191			
SRev ST-Gas		8	8	8	81	43	23	9	7	59	18	32	70	32	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
Syncon		840	840	840	1142	1142	1142	1142	1142	1142	1117	1117	1268	991	1268	1117	1268	1180	1029	1180	1029	1180	1029	1029	1029	878	1029	1029	878	741	741	741	741	741	741	741	742	1029	1029	1029	752	601	500	500	500	500	500	714	802			
Hydro		758	428	286	159	156	155	157	160	163	164	302	305	168	348	168	297	116	89	260	137	99	113	218	206	247	447	286	337	378	389	373	339	472	480	432	317	276	275	244	416	402	416	396	418	587	562	547	455			
S.Reserve Total		2684	2511	2500	2997	3279	3477	3708	3875	3963	3945	4140	4202	4110	3919	4140	4194	3977	3119	2756	2486	2252	1919	1744	1717	1995	1997	1934	1939	1748	1801	1721	1697	1631	1706	2105	2284	2512	2669	2452	2122	1679	1393	1337	1405	1698	1681	1882	1767			