

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,260 MW
Distillate	0 MW
Total TNB	2,260 MW
Total IPP	16,072 MW
Total Co-Gen	0 MW
Total System	21,614 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,262	2.51 %
Gas	54,586	16.58 %
Total TNB	62,848	19.09 %
ST-Coal	190,098	57.76 %
LSS	6,130	1.86 %
Gas	69,316	21.06 %
Total IPP	265,544	80.68 %
Co-Gen	-199	-0.06 %
Total Co-Gen	-199	-0.06 %
Total Generation	328,193	99.71 %
PLTG	-343	-0.10 %
HVDC	-609	-0.19 %
Interconnection	-952	-0.29 %
Net Energy	329,145	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:	20:30:00 Hour
Total Set On Bus	17,778 MW
TNB Generation	2,847 MW
IPP Generation	13,191 MW
Spinning Reserve	1,748 MW
Maximum Demand	16,057 MW
Net Energy	329,145 MWH
Load Factor	85.41 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	375
Hydro	238
Syncon	1,105
Thermal	633
Total	2,351

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	212
Total TNB	265
CBPS	52
EMPP	205
PCGP	88
PLPS	76
SGRI	12
SKSP	21
SPGP	104
Total IPP	558
Total Gas	823
Total Gas Required	823

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	14991	14340	13789	13183	12835	12529	12475	12184	11457	11773	12316	12765	12971	13210	13664	13914	14076	14237	13985	14509	15851	16053	15924	15627

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 3, 2023 9:27:21 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	25	25	23	23	22	23	22	23	23	22	23	22	22	22	23	22	23	23	37	37	37	37	37	37
KNYR	HY01	93	98	98	97	95	95	98	98	94	98	98	98	98	96	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY02	94	99	99	98	96	96	99	99	95	99	99	99	99	96	53	55	61	60	61	57	60	58	59	58
KNYR	HY03	96	98	97	96	95	94	96	94	92	95	96	96	96	96	47	49	0	0	0	0	0	0	0	0
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LPIA	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	11	11	11	11	11	11
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	19	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	20	-1
PGAU	HY02	15	23	23	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	24	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	21	-1	-1	-1	20	-1	-1	-1	-1	-1	16	-1	-1	-1	-1	19	-1	-1	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30
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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	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	30	34	32	34
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	HY04	27	32	31	31	30	31	32	31	30	32	31	31	30	32	30	31	29	31	30	32	28	29	32	32
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	-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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		413	438	432	405	421	398	411	404	393	431	410	427	426	398	234	217	177	175	176	185	176	191	173	168
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	1	4	8	14	15	16	19	21	22	25
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	13	18	18	20	27	20	10
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	6	11	17	24	21	26	26	24
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	13	20	25	19	16	21	38	26
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	10	13	23	22	24	27	30
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	8	16	12	14	17	21	25
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	7	12	16	27	34	35	37
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	9	14	27	12	22	18
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	8	13	17	18	36	26	40	37
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	12	18	32	48	71	68	48	43
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	10	16	21	28	34	32	19	37
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	9	13	19	26	19	28
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	19	28	29	53	68	69	82	99	52
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	8	10	17	23	22	25	26	27
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	18	25	23	18	25	22	26	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	12	16	19	19	34	35	43	44
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	13	30	52	79	68	69	50	94	94
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	18	29	44	59	55	86	102	107	107
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	16	23	26	40	34	46	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	16	22	24	34	33	39	40
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	12	15	16	19	10	13	15
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	11	16	25	22	27	30	30

Daily MW Generation on Monday

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 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	-15	-14	-15	-14	-14	-11	-14	-14	-14	-13	-12	-14	-9	-14	-10	-14	-12	-13	-21	-23	-16	-24	-24	-21	-15	-12	-14	-14	-23	-22	-13	-13	-22	-18	-12	-14	-15	-20	-14										
KHTC	BLK1	-12	-13	-11	-10	-12	-10	-10	-7	-5	-5	-3	-4	0	-5	-9	-11	-11	-14	-14	-16	-16	-23	-20	-21	-22	-22	-21	-25	-23	-24	-26	-25	-26	-20	-21	-22	-18	-21	-17	-17	-16	-15	-16	-17					
PCUF	CUFG	1	2	2	2	2	2	3	4	2	3	3	2	3	2	3	2	3	2	2	2	4	2	1	2	2	3	2	3	1	2	3	4	1	1	2	4	3	3	3	3									
PCUF	CUFK	24	26	27	25	25	25	1	3	1	2	2	3	1	2	3	3	2	7	7	7	10	7	9	7	6	7	7	7	9	7	4	25	27	26	26	26	26	28	27	26	26	26	26	28	25	26			
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					
Total Co-Gen		2	5	7	7	5	7	-13	-10	-12	-6	-5	-9	-9	-9	-2	-10	-13	-6	-15	-8	-15	-10	-19	-13	-20	-22	-30	-27	-28	-39	-17	-14	-7	-6	-1	-4	-13	-9	4	-3	-8	-3	5	3	5	-4	2		
Total Gen		14986	14525	14307	13945	13725	13461	13088	13011	12790	12552	12469	12443	12431	12458	12148	11894	11438	11655	11689	11890	12268	12422	12702	12789	12927	13045	13162	13511	13642	13848	13882	13899	14008	14274	14197	14074	13945	13955	14452	15427	15824	16030	16019	16022	15910	15829	15643	15441	
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		
TIE-HVDC		29	31	30	-30	-28	-28	-29	-30	-28	-30	-30	-29	-31	-28	-30	-30	-28	-31	-29	-27	-30	-30	-30	-29	-29	-29	-29	-28	-30	-29	-29	-28	-29	-28	-29	-28	-28	-27	-31	-27	-29	-29	-27	-28	-30				
TIE-PLTG		-34	-56	-63	-34	-36	-20	-67	-35	-17	-61	-30	-12	-15	20	-8	11	11	25	-53	-30	-17	-25	-36	-15	-14	-37	-19	20	7	-19	-4	-31	-39	0	-12	36	-12	-6	-28	-6	0	4	-6	-6	15	15	44	8	
Interconnection		-5	-25	-33	-65	-64	-47	-95	-65	-45	-91	-60	-42	-44	-11	-36	-19	-19	-3	-84	-58	-48	-54	-63	-45	-44	-67	-48	-8	-22	-47	-32	-62	-68	-29	-40	7	-40	-35	-57	-34	-27	-27	-34	-35	-14	-13	16	-22	
System Total		14991	14550	14340	14010	13789	13508	13183	13076	12835	12643	12529	12485	12475	12469	12184	11913	11457	11658	11773	11948	12316	12476	12765	12834	12971	13112	13210	13519	13664	13895	13914	13961	14076	14303	14237	14067	13985	13990	14509	15461	15851	16057	16053	16057	15924	15842	15627	15463	
SRev ST-Coal		213	360	355	528	667	845	855	833	881	876	848	839	827	743	736	779	806	793	812	803	777	809	788	731	765	772	763	756	766	759	775	807	813	767	806	762	748	748	739	347	327	209	205	145	176	278	323	279	
SRev CCGT-Gas		397	330	305	375	445	448	346	367	536	312	351	400	423	545	617	848	1268	1116	900	738	428	413	171	271	167	306	262	538	511	361	305	287	468	364	257	444	628	494	326	216	278	214	289	328	377	316	322	349	
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
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
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 Co-Gen		54	54	52	48	52	48	42	42	38	30	28	36	34	34	24	38	36	50	42	56	52	58	54	66	52	66	70	86	88	82	94	96	94	80	76	68	70	90	88	62	68	78	70	58	60	60	72	62	
Syncon		978	978	978	1129	978	1129	1129	1129	978	1129	978	978	1129	1079	1230	1230	1230	1230	1079	1079	1230	1230	1079	1230	1079	1230	1230	1230	1079	1230	1230	955	991	991	1142	1142	1142	991	890	1041	1041	1041	1041	890	890	1041	1041		
Hydro		277	252	258	134	269	141	128	135	146	259	129	263	264	141	355	221	161	163	162	304	313	298	165	170	290	169	294	206	203	199	303	197	86	341	350	359	225	225	232	340	394	206	166	177	207	320	306	147	
S.Reserve Total		1919	1974	1948	2214	2411	2611	2500	2506	2730	2455	2485	2516	2526	2592	2811	3116	3501	3352	3146	2980	2649	2657	2408	2468	2353	2543	2468	2816	2798	2631	2556	2617	2691	2507	2480	2624	2813	2699	2527	1956	1957	1748	1771	1749	1861	1864	1913	1965	