

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,537 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,537 MW</b>
<b>Total IPP</b>	<b>14,987 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>21,400 MW</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	35	<b>Total</b>	<b>0</b>
SRDG	7		
TJGS	182		
<b>Total TNB</b>	<b>224</b>		
CBPS	51		
EMPP	101		
KLPP	77		
NPRI	111		
PCGP	88		
PLPS	78		
SGRI	91		
SKSP	16		
SPGP	208		
<b>Total IPP</b>	<b>819</b>		
<b>Total Gas</b>	<b>1,043</b>		
<b>Total Gas Required</b>	<b>1,043</b>		

### Alternate Fuel Usage

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,420 MW
TNB Generation	5,258 MW
IPP Generation	13,073 MW
Spinning Reserve	1,167 MW
Maximum Demand	18,254 MW
Net Energy	376,211 MWH
Load Factor	85.87 %

### Generation Mix

Type	MWh	Percentage
Hydro	27,958	7.43 %
Gas	65,154	17.32 %
<b>Total TNB</b>	<b>93,112</b>	<b>24.75 %</b>
ST-Coal	188,604	50.13 %
LSS	7,458	1.98 %
Gas	88,130	23.43 %
<b>Total IPP</b>	<b>284,192</b>	<b>75.54 %</b>
Co-Gen	-1,188	-0.32 %
<b>Total Co-Gen</b>	<b>-1,188</b>	<b>-0.32 %</b>
<b>Total Generation</b>	<b>376,116</b>	<b>99.97 %</b>
PLTG	91	0.02 %
HVDC	-186	-0.05 %
<b>Interconnection</b>	<b>-95</b>	<b>-0.03 %</b>
<b>Net Energy</b>	<b>376,211</b>	<b>100.00 %</b>

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	506
Hydro	593
Syncon	205
Thermal	164
<b>Total</b>	<b>1,468</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

### 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	14447	13707	13238	12761	12487	12455	12964	13255	13740	15395	16159	16621	16632	16375	17142	17740	18161	18055	17007	17401	17993	17804	17270	16803

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 7:22:18 PM  
 (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
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	1	2	4	7	13	16	19	21	23	23	24	24	23
BELS	LSS4	0	0	0	0	0	0	0	0	0	0	1	2	12	30	30	32	37	41	45	49	41	47	22	34
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	2	3	8	15	18	21	24	26	28	29	31	29	14
BNLS	LSS4	0	0	0	0	0	0	0	0	0	0	1	2	4	9	13	19	21	24	25	25	27	27	28	20
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	8	21	20	22	25	28	30	33	20	35	34	34	26
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	9	22	26	25	17	25	30	38	39	39	36	40	33
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	3	8	15	21	28	30	28	29	16	34	32	39	29	8
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	1	3	8	12	17	22	24	27	20	25	27	29	29	17
GMLS	LSS1	0	0	0	0	0	0	0	0	0	0	2	5	13	28	31	33	38	42	43	45	46	45	25	36
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	1	3	8	6	16	20	23	25	27	29	25	30	13	23
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	2	10	19	25	26	26	17	44	47	19	42	38	34
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	15	49	53	55	64	71	77	80	74	87	85	83	75
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	3	9	13	16	25	33	35	37	39	41	42	38	41	41
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	1	4	8	23	22	24	27	30	27	32	32	22	14	23
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	2	6	15	66	71	75	83	93	83	98	87	100	78	91
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	1	2	5	14	20	20	23	25	29	30	25	30	30	26
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	1	2	11	9	17	11	21	27	25	23	23	29	5	4
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	3	8	14	22	27	19	39	42	44	46	46	46	47	45
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	9	34	61	69	73	52	74	68	83	83	84	85	88	89
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	5	16	36	51	41	61	93	98	98	99	88	99	94	100
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	1	3	10	14	28	35	43	40	50	50	50	30	50	41
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	2	8	17	23	33	20	34	46	43	54	55	56	40	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	5	9	19	21	27	35	39	42	43	35	45	44	42
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	1	4	7	11	15	17	7	24	14	28	28	29	9	7
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	2	8	14	21	30	27	29	30	30	26	30	19	29	27
Total LSS		0	0	0	0	0	0	0	0	0	0	36	126	304	559	691	733	866	958	1015	1102	1026	1125	1019	968
ESTL	ESTL	0	0	0	0	0	0	1	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-72	-74	-73	-73	-75	-75	-79	-78	-77	-76	-75	-77	-76	-79	-81	-85	-84	-86	-92	-92	-99	-99	-101	-101
PCUF	CUFG	24	23	23	23	24	24	24	24	26	24	24	25	24	23	23	23	24	21	21	21	21	21	20	20
PCUF	CUFK	2	4	3	2	2	3	3	3	2	5	2	2	3	2	2	3	2	4	3	2	2	4	2	2
PFTZ	PFTZ	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15
Total Co-Gen		-32	-33	-33	-34	-35	-34	-38	-36	-33	-32	-29	-34	-36	-37	-40	-35	-40	-46	-46	-53	-56	-61	-58	-64
Total Gen		14487	14049	13757	13345	13227	12948	12743	12560	12463	12384	12430	12671	12929	13201	13266	13264	13733	14771	15414	15824	16165	16414	16625	16766
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
TIE-HVDC		31	31	29	-29	-29	-29	-28	-29	-28	-28	-29	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		9	-7	21	-2	18	7	10	8	4	-34	3	4	-6	25	11	16	-7	14	19	8	6	2	4	
Interconnection		40	24	50	-31	-11	-22	-18	-21	-24	-64	-25	-25	-35	25	11	16	-7	14	19	8	6	2	4	
System Total		14447	14025	13707	13376	13238	12970	12761	12581	12487	12448	12455	12696	12964	13176	13255	13248	13740	14757	15395	15816	16159	16412	16621	16772
SRev ST-Coal		485	672	700	853	516	522	466	356	392	577	506	423	405	377	385	389	372	233	174	144	148	155	150	
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
SRev CCGT-Gas		385	207	340	332	326	284	795	1210	1287	1511	1542	1431	1148	907	843	797	565	853	787	747	734	726	690	
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
SRev Co-Gen		0	0	1	0	0	0	0	-2	1	0	-1	-1	0	0	1	0	0	0	0	0	0	-1	0	
Syncon		1230	1230	1230	1230	88	978	1230	1230	1230	1230	1104	1230	1080	1079	1230	1230	640	827	739	651	525	338	426	
Hydro		169	115	164	165	464	218	166	118	133	122	115	194	112	152	256	137	114	304	495	430	546	641	745	
S.Reserve Total		2269	2224	2435	2580	1394	2002	2657	2914	3040	3441	3393	3151	2894	2516	2563	2554	2281	2030	2283	2060	2079	2047	1923	1918