

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,362 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,362 MW</b>
<b>Total IPP</b>	<b>16,971 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>23,180 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	13,978	4.36 %
Gas	43,469	13.56 %
<b>Total TNB</b>	<b>57,447</b>	<b>17.92 %</b>
ST-Coal	171,420	53.48 %
LSS	6,744	2.10 %
Gas	86,251	26.91 %
<b>Total IPP</b>	<b>264,415</b>	<b>82.49 %</b>
Co-Gen	-1,317	-0.41 %
<b>Total Co-Gen</b>	<b>-1,317</b>	<b>-0.41 %</b>
<b>Total Generation</b>	<b>320,545</b>	<b>100.00 %</b>
PLTG	-2	0.00 %
<b>Interconnection</b>	<b>-2</b>	<b>0.00 %</b>
<b>Net Energy</b>	<b>320,547</b>	<b>100.00 %</b>

### 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	16,880 MW
TNB Generation	3,155 MW
IPP Generation	12,181 MW
Spinning Reserve	1,606 MW
Maximum Demand	15,272 MW
Net Energy	320,547 MWH
Load Factor	87.45 %

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	580
Hydro	323
Syncon	872
Thermal	569
<b>Total</b>	<b>2,344</b>

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Cloudy	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	14899	14346	13900	13360	13002	12775	12739	12392	11400	11344	11893	12251	12272	12440	12803	13285	13574	13599	13639	14596	15251	15148	14864	14753

### Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	45
<b>Total TNB</b>	<b>75</b>
CBPS	46
EMPP	277
NPRI	140
PCGP	87
SPGP	207
<b>Total IPP</b>	<b>757</b>
<b>Total Gas</b>	<b>832</b>
<b>Total Gas Required</b>	<b>832</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 6:19:55 PM  
 (Ir. Shanmugam Thoppalan)  
 Head  
 Grid System Operator

### Daily MW Generation on Sunday

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																										
JMAH	U001	694	695	698	694	696	694	695	697	696	696	696	696	695	695	603	438	356	350	354	354	354	354	354	354	357	353	355	354	355	407	457	616	691	692	698	695	696	697	695	694	690	693	699	694	696	694	696	696	696	
JMAH	U002	694	694	697	695	695	697	694	694	696	694	696	696	694	697	694	692	606	461	358	354	354	354	354	353	352	354	354	353	354	406	476	610	694	697	696	696	694	697	697	696	697	696	696	695	691	696	694	695		
JMHE	U001	895	844	704	703	701	700	698	699	698	700	702	699	700	701	701	699	699	701	701	700	701	700	700	702	699	701	700	702	700	699	701	702	699	701	701	698	702	700	699	702	874	900	899	897	900	899	900			
JMHE	U002	971	976	981	915	848	847	830	801	799	803	799	798	800	802	799	798	798	801	800	800	804	800	800	798	798	800	798	801	799	850	850	851	851	849	873	869	868	871	883	979	976	977	975	975	925	931	929	930		
JMIG	U001	380	380	382	388	365	384	382	378	377	357	384	377	377	371	376	376	377	393	412	415	416	424	416	420	414	419	419	418	420	420	414	420	433	479	503	512	543	599	599	590	643	672	667	672	673	677	672	676		
JMIG	U002	634	615	635	630	632	629	634	629	629	629	631	629	625	629	631	628	637	629	632	629	626	632	629	629	632	629	626	634	634	635	625	634	627	630	629	637	626	630	627	628	626	627	630	629	627	626	637	629		
JMIG	U004	727	727	726	727	726	727	726	727	728	726	727	726	728	726	727	725	727	726	725	726	726	726	728	725	727	726	728	726	728	725	726	727	725	723	718	717	693	680	653	623	594	567	538	507	478	0				
JMIG	U005	851	814	863	849	848	848	846	798	796	801	801	804	805	803	801	801	801	804	801	806	801	801	799	803	801	803	804	851	853	849	855	849	872	874	868	868	879	955	985	983	978	977	948	929	932	931				
PKLG	U003	274	275	276	273	275	274	276	274	274	273	272	275	274	273	274	271	159	155	159	154	156	156	154	156	157	153	156	155	156	155	154	155	155	154	155	154	176	243	275	276	279	274	276	277	280	276	275	276		
PKLG	U004	274	280	276	274	274	270	272	271	272	273	275	276	271	272	274	268	218	149	144	147	149	149	147	148	149	146	149	148	148	150	150	149	150	150	149	168	250	274	277	275	278	270	274	282	275	275	275			
PKLG	U005	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260		
TBIN	U001	562	550	502	503	501	408	351	344	315	407	401	399	400	400	341	315	259	227	210	210	210	211	210	208	210	210	210	211	213	209	211	234	249	250	250	286	299	301	353	349	350	299	302	295	299	235	212			
TBIN	U002	582	557	517	500	502	441	349	347	299	380	387	400	400	400	336	297	234	209	209	211	210	211	210	210	210	210	211	210	209	210	211	210	211	251	250	251	250	299	300	300	349	350	349	299	301	302	300	233	210	
TBIN	U003	599	548	513	502	504	406	348	351	302	412	399	401	399	400	303	299	222	211	210	211	210	211	210	211	210	210	212	212	209	211	210	244	252	251	249	273	298	296	354	348	347	297	301	301	300	223	211			
Total ST-Coal		8602	8420	8235	8118	8032	7790	7566	7475	7346	7616	7635	7417	7124	6600	6164	5976	5968	5976	5994	5973	5977	5973	5973	5975	5987	5991	6191	6297	6604	6871	6938	7014	7019	7186	7497	7604	7990	8033	8203	8040	8023	7915	7870	7638	7101					
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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
CBPS	BLK2	346	349	357	358	353	345	351	345	211	211	212	211	212	212	190	204	212	213	212	212	210	211	207	206	208	210	210	211	310	361	360	358	358	355	361	356	351	363	355	351	351	353	355	354	361	361	359			
EMPP	BLK1	578	583	597	600	587	577	585	577	647	512	510	472	486	505	454	379	401	458	463	499	559	588	651	636	638	687	700	711	709	672	707	704	691	703	685	710	686	678	711	686	673	677	683	685	681	710	709	694		
EMPP	BLK2	578	582	598	600	588	576	585	577	644	509	516	471	492	508	452	380	401	458	466	505	562	601	660	641	642	683	703	704	710	677	710	708	692	701	686	710	686	678	711	686	674	676	683	686	678	710	707	694		
EMPP	BLK3	578	583	598	600	588	577	584	576	649	505	514	472	492	505	453	379	401	459	465	503	563	604	657	641	640	689	700	704	710	678	709	708	692	700	686	709	686	677	712	685	673	677	683	684	678	710	710	693		
GLGR	GT02	108	109	109	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	94	95	94	95	95	95	95	94	94	94	108	108	109	108	108	108	108	108	108	108	108	108	108	108	108	108				
GLGR	ST1C	45	45	45	40	40	40	40	41	40	41	40	41	40	40	40	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	45	46	46	46	46	46	46	46	46	46	45	45	44	45	45	45	45			
NPRI	BLK1	506	511	522	522	514	505	512	506	317	317	319	316	319	318	318	291	307	317	318	319	317	315	318	312	310	314	315	443	462	498	511	509	509	506	504	512	503	496	513	519	512	512	515	517	517	526	527	523		
NPRI	BLK2	514	515	527	529	520	510	517	511	320	320	320	317	320	320	321	292	308	321	320	321	320	317	320	313	313	315	326	471	514	496	522	524	524	523	519	529	519	512	529	519	513	512	518	518	519	529	529	524		
PCGP	PGRG	562	567	587	592	578	556	570	559	603	602	603	598	601	604	602	545	580	603	600	603	603	598	600	590	588	593	597	599	603	572	602	597	591	590	585	600	585	568	606	583	573	573	580	583	582	602	602	594		
SPGP	BLK1	694	698	709	714	705	690	698	693	719	718	718	716	720	720	718	689	706	719	718	720	719	715	719	710	708	712	712	706	708	698	707	698	695	698	695	717	709	700	720	707	699	702	705	706	709	718	717	714		
SPGP	BLK2	691	695	709	713	701	689	698	691	716	717	716	718	716	718	716	685	704	716	716	719	717	712	717	707	701	704	707	699	702	693	704	695	697	695	692	715	706	696	717	706	699	697	700	702	704	716	717	709		
TJGS	GT1B	116	116	131	127	120	113	120	117	126	128	129	130	126	124	129	108	126	129	128	124	127	127	125	129	129	129	129	127	222	213	215	212	212	214	214	214	215	217	216	218	219	220	220	220	219	220	219	220		
TJGS	ST1C	76	75	75	79	77	73	76	74	77	78	79	78	79	79	79	74	77	79	79	79	79	79	79	79	79	79	79	79	79	116	118	118	118	118	118	118	118	118	118	118	118	118	119	119	119	119	119	119		
Total CCGT-Gas		5392	5428	5564	5569	5466	5346																																												

### Daily MW Generation on Sunday

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	23	23	23	23	23	22	22	23	23	23	23	22	22	22	22	21	21	21	21	21	21	21	21	21
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	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	110	110	111	112	111	81
PGAU	HY02	22	23	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	110	106	112	110	108
PGAU	HY03	22	22	22	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	113	113	113	112
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	109	22	22	
SYPS	HY01	27	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27	27	27	27
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	17	17	0	25	25	25	25	25	0	0	17	17	25
SYPS	HY03	25	25	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	39	40	43	45	43	40	42	40	58	44	45	44	45	46	44	44	45	44	44	44	44	43	45	45
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	-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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95
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	97
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	6	5	5	6	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		953	861	573	463	434	430	431	430	561	435	434	455	438	457	377	379	302	293	315	294	276	278	303	301
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	0	0	1	5	4	13	16	21	22	18	17	22	24
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	16	21	22	20	26	28	22	32
BLSL	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	14	16	20	23	27	29	31	16	34	35
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	10	13	21	26	38	39	40	41	38
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	21	31	23	23	42	24	27	24	32	30	34
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	17	15	22	22	28	20	15	9	24
GMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	13	22	35	22	43	28	40	33	20
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	14	19	21	26	15	24	32	30	31
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	12	19	25	36	28	39	33	28	31	43
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	18	31	37	51	60	69	77	82	68	61	75
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	11	16	21	27	31	35	38	41	40	46	47
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	13	18	22	26	29	31	26	29	28
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	4	24	38	54	67	79	87	95	98	100	84	44
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	13	16	18	19	24	24	20	16	13
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	18	24	30	32	28	29	28	32	33
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	4	9	20	24	33	38	37	17	38	35	51
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	6	8	15	67	60	69	53	31	77	60	50	76
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	6	21	57	69	58	94	51	99	98	82	78	88
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	4	9	18	26	33	40	45	45	45	49	14	50
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	14	20	27	30	32	34	38	55	40
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	22	28	19	38	41	46	35	47	41
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	4	11	9	10	20	20	18	14	10	17	5
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	11	22	15	25	30	23	21	17	28
Total LSS		0	0	0	0	0	0	0	0	0	0	0	43	146	299	523	630	739	847	832	899	874	847	879	886
ESTL	ESTL	0	0	0	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	1	2	0	-1	2	2
KHTC	BLK1	-81	-81	-80	-79	-77	-78	-77	-78	-78	-77	-74	-75	-75	-72	-72	-73	-75	-77	-77	-80	-81	-83	-85	-86
PCUF	CUFG	29	29	30	29	29	28	4	3	2	4	3	3	2	5	3	3	4	4	4	28	27	28	27	28
PCUF	CUFK	25	3	4	4	2	2	2	3	1	4	3	2	2	3	3	2	3	0	3	2	29	31	31	30

