

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,387 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,387 MW</b>
<b>Total IPP</b>	<b>16,900 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>23,134 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	22,186	5.96 %
Gas	46,071	12.37 %
<b>Total TNB</b>	<b>68,257</b>	<b>18.33 %</b>
ST-Coal	198,870	53.41 %
LSS	5,853	1.57 %
Gas	100,319	26.94 %
<b>Total IPP</b>	<b>305,042</b>	<b>81.92 %</b>
Co-Gen	-1,141	-0.31 %
<b>Total Co-Gen</b>	<b>-1,141</b>	<b>-0.31 %</b>
<b>Total Generation</b>	<b>372,158</b>	<b>99.95 %</b>
PLTG	-198	-0.05 %
<b>Interconnection</b>	<b>-198</b>	<b>-0.05 %</b>
<b>Net Energy</b>	<b>372,356</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:	16:30:00 Hour
Total Set On Bus	18,813 MW
TNB Generation	3,960 MW
IPP Generation	13,856 MW
Spinning Reserve	1,045 MW
Maximum Demand	17,812 MW
Net Energy	372,356 MWH
Load Factor	87.10 %

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	364
Hydro	526
Syncon	513
Thermal	183
<b>Total</b>	<b>1,586</b>

Time	Weather	Temperature
Afternoon	Cloudy	33
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	14580	13824	13408	13055	12676	12512	12699	12894	13682	15484	16276	16699	16720	16533	17109	17508	17789	17326	16400	16935	17386	17164	16708	16287

### Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	71
<b>Total TNB</b>	<b>102</b>
CBPS	48
EMPP	277
NPRI	160
PCGP	83
PLPS	50
SKSP	35
SPGP	199
<b>Total IPP</b>	<b>852</b>
<b>Total Gas</b>	<b>954</b>
<b>Total Gas Required</b>	<b>954</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 6:15:49 PM  
 (Ir. Shanmugam Thoppalan)  
 Head  
 Grid System Operator

### Daily MW Generation on Tuesday

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	696	695	694	695	696	697	695	696	690	699	694	697	694	697	695	698	690	694	698	695	693	697	696	697	696	696	698	695	697	698	696	693	695	698	695	698	696	690	696	697	695	696	698	696	693						
JMAH	U002	695	695	694	694	696	694	696	696	696	697	694	695	698	690	696	695	691	693	693	694	693	699	695	695	695	696	696	694	695	694	696	696	697	696	696	697	695	696	695	696	695	683	697	696	695	695	696	694	697		
JMHE	U001	915	913	898	901	848	850	852	847	800	800	803	800	799	802	800	802	799	919	920	919	920	917	919	919	917	920	920	923	921	921	920	921	920	932	928	931	937	940	941	940	941	951	952	950	948	948	952	946			
JMHE	U002	978	933	899	902	849	848	848	849	797	801	800	799	798	800	804	800	798	918	950	978	978	976	977	976	975	977	975	980	981	978	979	978	976	976	977	978	979	979	978	979	976	978	977	978	975	979	977	975			
JMIG	U001	664	669	668	663	662	668	670	668	667	669	666	669	663	668	674	664	666	668	668	667	673	679	667	668	677	669	669	667	687	671	662	666	668	657	679	662	662	665	662	666	668	668	671	668	673	649	670	673			
JMIG	U002	623	632	629	634	621	643	626	623	634	631	632	624	635	627	632	647	607	640	621	616	609	611	577	554	491	444	398	411	414	411	408	413	409	414	409	413	412	410	410	411	413	408	412	408	414	411	422	448			
JMIG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JMIG	U005	976	960	903	897	846	850	848	848	794	799	796	800	797	801	801	804	806	927	966	983	976	977	979	978	970	936	900	897	900	911	958	978	971	970	972	969	976	972	978	974	972	974	973	977	979	975	697	729			
PKLG	U003	272	273	276	277	276	274	275	276	272	275	276	277	275	274	273	276	275	274	272	275	272	275	275	275	275	276	263	255	254	253	254	253	254	254	254	265	278	278	276	275	274	277	278	278	276	275	274	277	278		
PKLG	U004	141	140	140	142	150	198	205	204	218	239	273	278	275	275	273	277	276	279	275	271	273	278	276	276	276	273	274	275	276	269	254	254	250	251	252	253	250	248	256	270	274	276	278	277	276	273	273				
PKLG	U005	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460		
TBIN	U001	300	300	299	300	304	417	500	602	600	600	687	688	689	688	689	688	689	687	689	690	689	690	690	689	689	689	687	689	690	691	689	691	689	688	689	690	691	692	688	690	689	692	688	690	689	688	692	687	687		
TBIN	U002	298	302	302	299	303	435	498	571	603	601	672	691	691	688	692	690	690	688	690	689	690	693	690	688	691	690	689	689	686	689	687	694	686	690	687	688	692	690	690	692	689	692	685	690	691	688	689	688	688		
TBIN	U003	304	302	300	301	303	426	501	590	599	599	674	688	688	689	686	689	689	685	689	687	688	688	688	683	687	688	686	687	690	687	690	687	689	689	689	689	685	685	694	688	688	687	686	689	688	688	688	688			
Total ST-Coal		7322	7274	7162	7165	7014	7460	7674	7930	7840	7862	8129	8161	8161	8163	8178	8179	8143	8538	8595	8617	8625	8636	8584	8556	8499	8413	8318	8344	8368	8362	8393	8417	8369	8377	8381	8422	8499	8589	8654	8660	8724	8848	8863	8926	8940	8940	8712	8758			
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	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	0
CBPS	BLK2	355	358	360	362	361	357	228	205	211	211	205	211	210	210	204	208	212	212	212	211	295	357	362	366	357	230	210	310	362	364	357	362	360	362	363	362	362	362	362	362	361	359	361	357	353	358	353	353			
EMPP	BLK1	648	655	591	536	560	405	424	406	428	417	404	410	410	453	380	413	467	543	673	698	710	692	711	714	688	662	701	689	699	701	708	711	710	711	709	709	699	710	710	709	709	710	709	705	693	684	694	681	681		
EMPP	BLK2	649	654	592	534	563	405	425	405	430	415	405	409	410	453	410	413	467	548	680	701	711	691	711	715	689	665	697	688	699	700	705	710	714	710	709	709	700	708	711	710	709	710	713	710	692	685	694	682	682		
EMPP	BLK3	648	655	591	535	561	406	426	404	433	414	405	410	410	452	415	412	468	547	679	695	710	691	711	714	690	667	701	688	699	700	699	710	714	711	709	710	699	710	710	709	710	709	711	692	686	694	680	680			
GLGR	GT02	108	108	108	108	108	95	94	94	94	94	94	94	94	95	94	94	94	94	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	108	108	108	
GLGR	ST1C	47	46	46	45	45	46	41	39	41	40	41	41	40	42	42	41	41	46	47	47	47	48	48	48	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
NPRI	BLK1	518	524	525	526	523	520	527	518	445	397	300	309	395	511	500	510	515	527	526	526	527	520	525	518	520	521	521	522	523	521	520	519	522	523	522	520	517	526	529	527	529	528	524	527	521	515	524	516	516		
NPRI	BLK2	523	530	531	532	532	526	535	524	449	400	311	320	398	516	508	517	520	531	533	532	534	526	535	535	527	532	531	536	533	530	528	533	534	535	534	533	523	536	535	534	535	534	533	533	527	524	532	523	523		
PCGP	PGRG	583	591	597	602	596	587	402	383	402	402	384	399	397	401	381	396	405	603	601	602	603	589	604	613	587	601	596	602	604	608	589	601	599	602	602	605	580	606	605	601	599	603	599	601	591	580	592	577	577		
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	44	45	45	44	37	72	140	139	140	142	143	140	142	142	141	138	116	140	141	141	141	139	140	141	137	112	112	112	112	112			
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	112	135	135	138	138	137	137	132	132	132	136	137	138	136	135	137	136	132	110	108	108	108	
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	35	58	60	124	142	142	211	210	210	209	209	208	196	209	210	210	210	209	209	209	207	197	132	132
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	63	85	132	332	338	339	337	337	336	338	3																						

### Daily MW Generation on Tuesday

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	HY03	8	8	7	7	7	7	8	8	7	7	7	7	7	7	7	7	7	8	8	7	7	7	7	7	7	8	8	8	8	8	8	8	
KNRG	HY01	37	37	37	37	37	22	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36	36	37	37	37	37	37	37	37	
KNRG	HY02	37	37	37	37	37	38	38	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
KNRG	HY03	37	37	37	37	38	38	38	38	38	38	38	38	38	38	39	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37	37	
KNYR	HY01	96	96	96	96	96	97	97	97	97	97	97	97	97	97	96	96	96	96	96	96	96	96	96	96	96	96	58	59	97	96	96	96	
KNYR	HY02	97	97	97	97	97	97	60	59	60	60	57	59	60	59	57	60	98	97	97	97	97	97	97	97	97	97	97	58	-1	93	92	92	92
KNYR	HY03	96	96	96	96	96	96	53	52	53	53	51	53	53	52	50	53	54	99	99	99	99	99	99	99	99	99	98	97	58	100	99	99	
KNYR	HY04	98	98	98	98	98	98	99	99	99	99	97	99	99	99	99	98	98	98	98	98	98	98	98	98	98	98	98	58	98	98	98	98	
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
LPIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	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	3	3	3	3	3	3	3	3	
PGAU	HY01	23	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	112	112	112	81	81	81	111	111	81	21	81	111	112	111	23	22	-1	
PGAU	HY02	123	112	113	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	20	22	22	22	22	22	110	108	109	22	21	21	
PGAU	HY03	151	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	22	21	21	21	21	21	83	82	23	-1	-1	-1	
PGAU	HY04	151	82	81	81	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	81	108	82	108	108	81	82	81	107	108	108	81	
SYPS	HY01	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27	18	18	0	0	0	0	19	18	18	
SYPS	HY02	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	17	0	0	0	17	17	17	
SYPS	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	0	0	0	17	17	17	
SYPS	HY04	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	0	0	0	17	17	17	
TMGR	HY01	43	43	44	44	46	43	79	43	82	82	43	45	46	82	82	44	75	48	51	46	60	44	82	82	71	82	82	45	82	44	64	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	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY03	31	32	32	32	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	35	35	0	0
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	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY01	89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	66	159	92	96	-1	-1	-1	98	92	98	124	126	
UJLI	HY02	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	43	44	-1	35	-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	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	5	5	5	5	5	5	5	5	
Total Hydro		1632	1149	1148	1012	918	749	621	582	619	620	574	582	584	617	630	562	600	746	748	948	963	945	1091	1215	1164	1105	1066	1215	1155	1199	1306	1341	1661
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
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	8	7	10	18	21	4	3	10	19	16	15	16	23	22	19	15	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	8	15	13	15	31	23	29	32	34	34	34	17	18	21	3	1	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	14	13	19	22	29	29	32	34	34	34	17	18	21	3	1	1	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	14	19	23	28	24	22	18	9	15	14	11	33	12	4	2	4	8	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	7	32	36	20	12	23	30	40	30	21	3	9	18	18	14	23	19
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6	9	23	21	22	30	14	17	16	21	10	12	19	14	9	5	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	11	20	28	35	39	38	31	46	47	47	47	49	42	3	2	14	7	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	14	18	21	24	23	20	27	17	21	19	18	2	2	18	11		
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	23	36	42	49	65	72	81	85	76	84	91	64	81	89	36	11	8	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	14	20	15	29	32	40	38	43	43	41	34	44	42	33	13	37	9	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	13	17	18	24	18	23	31	32	25	28	31	19	21	2	2	1	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	39	50	57	71	83	92	100	100	100	69	99	60	44	43	14	6	20	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	14	16	19	22	26	29	30	30	30	19	15	30	11	3	3	5	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14	23	12	15	30	30	29	29	29	30	29	29	11	29	7	2	18	12	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	19	25	31	19	25	16	50	50	51	51	48	48	46	41	37	33	27	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	15	8	71	78	79	64	62	71	60	92	92	88	92	92	89	88	81	86	80	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	36	26	57	73	88	55	77	94	25	26	25	45	69	101	97	92	71	51	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

