

### Availability at Daily Maximum Demand Hour

ST-Coal	9,622 MW
ST-Gas	380 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,523 MW
Distillate	0 MW
Others	0 MW
Gas	8,542 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,657 MW</b>
<b>Total System w/o solar</b>	<b>21,067 MW</b>

### Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

### Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	19,870 MW
Spinning Reserve	1,082 MW
Maximum Demand	18,776 MW
Net Energy	404,591 MWH
Load Factor	90 %
Operating Reserve	2,291 MW

### Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	187
EMPP	289
KLPP	76
NPRI	130
PCGP	88
SGRI	84
SPGP	98
PKLG	79
<b>Total Gas</b>	<b>1,078</b>

### Alternate Fuel Usage

Station	(mmscfd)
KLPP	0
SGRI	13
<b>Total</b>	<b>13</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	226,646	56.02 %
ST-Gas	7,747	1.91 %
LSS	9,507	2.35 %
Hydro	14,735	3.64 %
Distillate	1,019	0.25 %
Gas	148,737	36.76 %
Co-Gen	-2,987	-0.74 %
<b>Total Generation</b>	<b>405,404</b>	<b>100.20 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	686
Hydro	370
Syncon	702
Thermal	215
<b>Total</b>	<b>1,973</b>

**Total Gas Required 1,091**

PLTG	91	0.02 %
EGAT	5	0.00 %
HVDC	717	0.18 %
<b>Interconnection</b>	<b>813</b>	<b>0.20 %</b>
<b>Net Energy</b>	<b>404,591</b>	<b>100.00 %</b>

### Time Weather Temperature

### 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	17071	16247	15714	15180	14815	14593	14832	14849	14931	16251	16763	17133	17169	16893	17300	18358	18526	18482	17810	17667	18758	18704	18121	17843

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024  
10:21:08 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator

Daily MW Generation on Friday

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	695	696	704	696	694	693	694	696	695	699	693	697	698	695	696	696	696	695	694	696	695	696	695	696	696
JMAH	U002	694	695	696	696	694	694	693	695	697	695	696	698	693	696	696	695	696	695	693	697	697	696	696	695	696
JMHE	U001	931	934	932	931	935	934	932	934	933	932	931	932	932	933	936	930	935	933	933	934	932	933	932	936	934
JMHE	U002	979	981	982	978	982	980	979	981	982	981	982	979	977	980	979	980	980	979	984	980	976	977	979	980	981
JMJG	U001	660	656	654	634	668	673	657	655	664	645	651	661	652	664	666	667	670	671	664	666	668	667	665	672	654
JMJG	U002	677	677	672	679	679	676	678	673	677	673	676	676	682	672	672	674	677	677	675	680	674	675	673	676	679
JMJG	U003	668	673	669	671	678	673	672	672	671	673	672	672	671	672	670	673	668	673	673	672	670	670	675	668	672
JMJG	U005	977	975	977	975	975	973	978	976	975	976	978	977	974	973	978	975	976	977	977	980	976	978	974	977	971
PKLG	U003	275	275	273	275	275	274	275	276	273	274	273	275	273	274	274	275	274	272	273	273	275	273	272	275	274
PKLG	U004	276	275	278	275	275	272	270	274	271	274	277	278	278	277	275	276	276	275	277	273	269	271	272	276	275
PKLG	U005	467	465	453	455	468	475	470	469	472	462	460	459	461	463	468	470	463	463	463	468	470	469	467	468	470
PKLG	U006	468	467	463	467	465	467	464	465	465	465	466	468	469	467	467	466	466	465	467	467	466	466	468	467	466
TBIN	U001	688	690	691	690	691	689	688	689	690	690	689	690	691	691	689	687	732	694	685	688	686	689	687	688	688
TBIN	U004	984	983	981	983	984	983	984	983	983	983	983	982	983	983	983	982	983	983	983	983	982	983	982	983	982
Total ST-Coal		9439	9442	9425	9405	9463	9456	9434	9438	9451	9421	9428	9442	9435	9440	9456	9445	9444	9485	9447	9457	9442	9450	9440	9445	9453
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
PKLG	U001	145	145	145	145	145	145	145	145	145	145	145	145	145	143	144	143	144	143	143	143	143	143	143	143	143
PKLG	U002	192	142	143	143	143	142	143	142	143	143	143	143	142	142	142	142	142	142	142	142	143	179	199	221	
Total ST-Gas		337	287	288	288	288	287	288	287	288	288	288	287	287	287	285	286	286	285	285	285	285	285	286	350	380
EMPP	BLK1	710	727	710	737	661	574	574	456	455	417	409	412	451	462	452	448	444	645	714	710	694	671	671	683	
EMPP	BLK2	713	730	713	737	657	594	574	471	459	417	410	410	463	466	461	452	450	644	718	713	694	675	665	684	
EMPP	BLK3	712	729	712	736	657	600	574	472	459	417	409	410	459	467	462	452	450	644	716	711	694	676	669	685	
GLGR	BLK1	206	207	206	208	208	208	209	208	207	207	207	207	207	207	208	209	208	208	208	206	205	205	206	206	206
KLPP	BLK1	478	368	346	190	185	181	186	181	182	181	182	182	183	182	181	186	189	192	209	255	433	402	360	357	
NPRI	BLK1	315	337	317	338	332	332	332	332	332	335	326	332	331	331	331	327	333	331	332	385	330	326	331	326	
NPRI	BLK2	309	331	312	332	326	326	326	326	326	326	326	326	323	325	325	329	327	329	323	325	322	328	324	325	
PCGP	BLK1	572	610	575	616	601	602	602	601	601	600	593	600	604	598	603	396	500	598	603	590	595	590	597	592	
SGRI	BLK1	245	245	238	129	147	208	168	168	168	167	166	167	166	165	168	163	163	163	165	165	165	165	165	165	165
SGRI	BLK2	301	186	180	180	181	179	151	175	163	163	164	163	164	163	166	166	165	166	165	165	165	165	165	165	165
SPGP	BLK2	691	689	689	687	680	688	685	689	686	689	692	690	691	692	689	691	690	694	132	399	548	693	684	697	
TJGS	BLK1	681	689	601	406	404	400	406	403	404	405	405	409	408	404	403	406	406	409	686	607	606	614	614	613	
TJGS	BLK2	682	451	451	451	451	451	451	449	451	451	451	448	448	448	450	450	551	627	601	543	501	450	449	451	
Total CCGT-Gas		6615	6299	6050	5747	5490	5343	5237	5034	4892	4775	4731	4759	4905	4909	4895	4671	4778	5472	5519	5806	5877	6070	5995	5949	
Total 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
BSIA	HYDR	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
CEND	HYDR	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
HTRG	PUAH	-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
HTRG	TMBT	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HYDR	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
KNRY	HYDR	249	199	187	204	197	199	199	197	197	198	193	196	198	196	194	196	195	376	237	252	252	251	251	250	
MHDY	MHDY	33	33	33	33	33	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
PGAU	HYDR	-3	19	-2	-2	-2	-2	-2	-3	-3	16	-3	-3	-3	-3	20	16	-3	-3	-3	-3	-3	-3	-3	-3	-3
SIHY	HYDR	30	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	HYDR	34	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	HYDR	40	80	41	85	43	43	44	43	43	44	44	44	44	43	43	44	47	46	75	32	32	32	32	33	
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Total Hydro		447	395	323	383	334	336	337	332	332	353	329	329	332	356	350	331	333	330	540	358	373	374	393	393	373

### Daily MW Generation on Friday

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
KLPP	GT15	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	125	125	126	126	126	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT13	122	121	122	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT23	136	139	137	138	138	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Distillate		410	385	385	386	264	177	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Solar		0	0	0	0	0	0	0	0	0	0	0	31	174	335	562	805	899	1044	1229	1304	1161	1296	1329	1226
PCUF	CUFG	3	3	4	3	4	4	3	5	4	4	3	4	3	2	2	3	4	5	3	4	3	3	3	4
PCUF	CUFK	9	11	12	11	10	10	11	9	12	9	11	10	11	11	13	10	8	8	8	8	6	6	5	3
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	4	2	4	2	4	4	4	4	4	4	4	4	4	4	4
Total NEDA Co-Gen		14	16	18	16	16	16	16	18	17	16	18	16	18	17	17	17	15	16	13	13	12	11	9	11
Total NEDA Solar		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 Generation		17262	16824	16489	16225	15855	15615	15346	15107	14980	14854	14792	14836	14976	15011	15005	14782	15033	15923	16371	16727	16893	17236	17355	17389
ESTL	ESTL	-35	-36	-35	-44	-38	-32	-25	-27	-32	-44	-36	-39	-38	-31	-37	-35	-40	-31	-39	-38	-36	-36	-31	-33
KHTC	BLK1	-108	-105	-105	-106	-103	-105	-101	-102	-99	-101	-100	-101	-101	-102	-104	-106	-111	-109	-112	-113	-106	-109	-119	-112
Total Franchise Area		-143	-141	-140	-150	-141	-137	-126	-129	-131	-145	-136	-139	-139	-132	-139	-146	-142	-148	-150	-149	-142	-140	-152	-155
Singapore		21	27	75	7	-27	37	12	3	6	-7	36	15	-21	34	-12	-48	-71	-62	-55	-22	-46	-32	55	-23
Thailand		30	30	31	31	31	31	31	31	31	29	30	29	30	30	30	30	30	30	30	30	30	30	30	30
Interconnection		51	57	105	38	3	68	43	34	37	22	66	44	8	64	20	-18	-41	-32	-25	8	-16	-2	85	7
Total Demand		17071	16629	16247	16040	15714	15413	15180	14947	14815	14690	14593	14656	14832	14818	14849	14664	14931	15816	16251	16572	16763	17099	17133	17233
SRev ST-Coal		183	180	197	217	159	166	188	184	171	201	194	180	187	182	166	177	178	177	175	165	180	172	182	177
SRev CCGT-Gas		1112	1137	1386	1265	1642	1789	1819	2162	2088	2205	2249	2221	2075	2071	2085	2309	2202	1508	1461	1137	1116	1135	1210	1256
SRev ST-Gas		69	66	63	63	63	63	63	63	63	63	63	63	63	64	64	64	63	62	63	62	63	63	63	63
SRev Distillate		163	35	35	34	16	103	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-1	0	0	0	0	0	0	-1	1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		1129	928	1079	1079	1079	1079	1230	1230	1079	1230	1230	1230	1079	1079	1230	1230	1129	1129	1129	1129	978	977	1128	1128
Hydro		286	289	210	150	199	197	196	200	200	330	203	203	200	327	333	201	199	202	93	275	260	259	391	392
S.Reserve Total		2941	2635	2970	2808	3158	3397	3451	3839	3751	3879	3938	3897	3755	3722	3727	3981	3872	3181	2920	2769	2748	2758	2826	2865