

### Availability at Daily Maximum Demand Hour

ST-Coal	10,110 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,376 MW
Distillate	0 MW
Others	0 MW
Gas	9,686 MW
Co-Gen	0 MW
<b>Total System</b>	<b>24,352 MW</b>
<b>Total System w/o solar</b>	<b>22,762 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:	20:00:00 Hour
Total Set On Bus	19,880 MW
Spinning Reserve	1,205 MW
Maximum Demand	18,626 MW
Net Energy	396,833 MWH
Load Factor	89 %
Operating Reserve	4,136 MW

### Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	2
TJGS	76
EMPP	262
NPRI	130
PCGP	80
PGLA	94
SKSP	10
SPGP	189
<b>Total Gas</b>	<b>873</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	238,173	60.02 %
LSS	9,678	2.44 %
Hydro	18,339	4.62 %
Gas	131,969	33.26 %
Co-Gen	-683	-0.17 %
<b>Total Generation</b>	<b>397,476</b>	<b>100.16 %</b>
PLTG	352	0.09 %
HVDC	291	0.07 %
<b>Interconnection</b>	<b>643</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>396,833</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,010
Hydro	290
Syncon	796
Thermal	200
<b>Total</b>	<b>2,296</b>

**Total Gas Required 873**

#### Time Weather Temperature

Afternoon	Hot	34
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	16321	15599	15060	14676	14256	14021	14170	14407	14567	16025	16552	16940	17130	16842	17604	17870	18120	18111	17444	17710	18626	18463	17982	17622

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:21:26 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator

### Daily MW Generation on Thursday

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	697	701	696	697	694	696	695	696	697	697	693	695	697	697	697	697	697	697	697	697	697	697	697	697		
JMHE	U001	936	934	930	936	933	931	901	898	901	902	901	898	900	901	903	901	902	931	932	929	932	932	931	932		
JMHE	U002	979	979	978	980	940	940	899	900	898	898	900	899	901	901	901	900	899	953	979	976	980	979	979	976		
JMJG	U001	601	596	645	671	667	670	673	678	679	660	666	667	665	668	674	662	666	667	672	664	671	667	671	670		
JMJG	U002	695	694	651	645	654	650	678	663	607	657	627	650	641	651	652	636	661	642	672	666	682	668	679	679		
JMJG	U003	673	677	670	677	672	677	680	677	668	670	673	672	676	671	671	668	673	666	673	672	671	671	672	670		
JMJG	U005	974	972	976	972	939	935	896	902	899	895	898	845	814	901	901	900	896	969	978	976	977	976	978	975		
PKLG	U003	276	274	276	276	276	275	276	227	206	207	206	207	207	207	207	237	275	274	275	275	275	274	275	274		
PKLG	U004	277	273	277	277	276	273	275	239	198	202	203	209	205	205	209	205	236	270	277	276	275	277	274	274		
PKLG	U005	468	468	468	468	466	463	455	329	268	271	270	271	270	270	295	384	462	468	464	468	462	466	465	464		
PKLG	U006	468	466	458	463	468	465	468	469	469	464	465	466	467	468	466	469	467	468	467	465	468	467	465	467		
TBIN	U001	690	690	690	691	689	690	690	693	691	690	690	690	690	689	689	690	689	689	690	689	690	691	691	690		
TBIN	U002	689	690	689	691	687	690	690	692	690	690	690	690	691	690	688	690	690	691	689	688	695	690	693	688		
TBIN	U003	686	686	685	687	686	683	684	686	687	686	686	684	685	686	686	685	685	686	685	685	687	683	685	687		
TBIN	U004	982	983	981	982	942	943	903	904	902	903	904	902	905	903	903	903	903	974	982	983	983	983	980	983		
Total ST-Coal		10091	10083	10070	10113	9989	9981	9863	9653	9460	9492	9472	9445	9414	9505	9516	9483	9598	9954	10130	10110	10141	10120	10133	10128		
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		
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		
EMPP	BLK1	631	429	407	411	451	413	410	407	518	405	404	407	504	413	414	424	413	414	620	419	415	411	414	499		
EMPP	BLK2	649	549	544	377	374	373	374	370	376	368	367	369	374	376	374	375	373	373	551	550	480	479	479	479	499	
EMPP	BLK3	699	700	693	600	500	500	500	496	502	494	493	496	501	502	499	499	500	500	490	502	501	499	499	499	499	
GLGR	BLK1	137	136	137	137	137	137	138	138	137	138	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	
NPRI	BLK1	309	312	307	316	321	318	320	311	320	311	312	311	319	317	319	317	320	310	311	307	310	310	310	311	311	
NPRI	BLK2	326	329	317	325	330	325	328	319	327	318	320	320	332	323	328	326	327	326	326	322	328	321	325	326	326	
PCGP	BLK1	596	603	584	494	405	398	400	387	402	385	383	385	403	396	400	401	399	401	592	602	596	603	600	600	603	
PGLA	BLK1	474	477	473	473	475	474	478	473	477	474	473	473	477	475	477	476	477	476	475	474	476	474	475	476	476	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPGP	BLK1	711	711	711	713	595	495	496	448	397	398	397	395	498	497	496	597	715	714	716	715	714	715	714	715	714	
SPGP	BLK2	699	699	702	703	595	498	497	449	396	398	399	399	397	498	496	399	398	696	701	703	702	701	702	696	696	
TJGS	BLK1	398	399	398	398	399	400	402	402	403	399	401	394	399	400	400	404	399	396	399	403	400	402	397	404	395	
Total CCGT-Gas		5629	5344	5273	4947	4582	4331	4343	4200	4255	4088	4086	4088	4237	4335	4343	4253	4344	4742	4956	5127	5136	5044	5056	5140		
SRDG	GT05	0	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 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	23	24	24	12	12	12	12	12	12	11	12	12	12	12	12	24	45	45	45	45	45	44	44	45	44	
CEND	HYDR	26	25	26	26	25	25	26	25	26	26	26	25	26	25	25	26	26	25	25	26	26	26	26	26	26	
HTRG	PUAH	-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	
HTRG	TMBT	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	
KNRG	HYDR	111	111	68	47	47	47	47	47	47	47	47	47	47	47	47	77	111	111	111	111	111	111	111	111	111	
KNYR	HYDR	162	172	162	162	384	383	383	384	384	384	383	383	383	383	384	383	375	242	168	121	116	57	56	56	59	
MHDY	MHDY	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	48	48	50	52	54	54	54	
PGAU	HYDR	-2	-2	-2	-2	-2	-2	-2	18	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	
SIHY	HYDR	89	90	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HYDR	70	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	17	0	17	17	25	25	25	
TMGR	HYDR	41	79	39	40	61	48	55	40	49	38	38	38	44	41	39	45	49	63	78	78	49	39	39	76	63	
UJLI	HYDR	93	-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		659	612	397	329	571	557	565	550	580	549	546	547	553	571	549	547	459	454	423	421	332	440	420	465	451	
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

### Daily MW Generation on Thursday

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 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																										
ESTL	ESTL	15	13	18	20	10	16	25	14	15	8	18	0	16	21	19	20	18	9	8	2	5	9	10	11	6	0	7	6	6	12	16	9	10	0	0	0	2	0	15	13	4	14	11	9	15	0	0	2		
PCUF	CUFG	5	5	5	5	4	4	4	4	9	8	7	6	6	9	11	10	7	4	5	5	4	4	3	5	4	3	2	4	4	4	4	5	3	3	4	3	4	4	3	4	5	5	3	3	5					
PCUF	CUFK	2	4	2	5	2	1	3	28	32	29	30	30	28	29	29	27	30	11	3	3	4	3	3	2	3	2	1	3	3	2	3	3	3	6	3	2	2	5	2	3	4	1	5	3	2	3	4	3		
Total NEDA Co-Gen		22	22	25	30	16	21	32	46	56	45	55	36	50	56	57	58	58	27	15	10	14	16	17	16	14	6	11	12	11	18	23	16	17	11	6	5	8	8	21	20	11	18	20	17	22	6	7	10		
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	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		16401	16061	15765	15419	15158	14890	14803	14449	14351	14174	14159	14116	14254	14467	14466	14378	14627	15478	16020	16398	16597	16804	16943	17145	17091	17093	17034	17251	17567	18080	18028	18043	18129	18393	18161	17952	17479	17327	17743	18625	18700	18672	18591	18376	18084	18002	17690	17592		
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	0	
KHTC	BLK1	-71	-67	-68	-64	-67	-66	-68	-67	-70	-67	-68	-66	-65	-67	-69	-70	-70	-76	-76	-54	-31	-31	-30	-36	-41	-43	-35	-35	-35	-35	-35	-35	-35	-35	-35	-35	-35	-66	-40	-35	-30	-29	-28	-26	-23	-45	-72	-69	-68	-67
Total Franchise Area		-71	-67	-68	-64	-67	-66	-68	-67	-70	-67	-68	-66	-65	-67	-69	-70	-70	-76	-76	-54	-31	-31	-30	-36	-41	-43	-35	-35	-35	-35	-35	-35	-35	-35	-35	-35	-35	-66	-40	-35	-30	-29	-28	-26	-23	-45	-72	-69	-68	-67
Singapore		-17	17	72	2	5	63	33	81	-2	53	42	20	-6	49	-36	-3	-36	-91	-109	-73	17	11	-24	-8	-77	44	160	-17	-69	111	126	66	-23	-36	18	45	-2	10	6	5	49	49	108	31	33	-14	0	21		
Thailand		29	28	29	29	29	31	29	29	29	31	31	28	28	29	29	29	29	30	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interconnection		12	46	101	30	34	94	62	110	28	82	73	51	22	77	-7	25	-7	-62	-78	-45	17	11	-24	-8	-77	44	160	-17	-69	111	126	66	-23	-36	18	45	-2	10	6	5	49	49	108	31	33	-14	0	21		
Total Demand		16321	15951	15599	15328	15060	14733	14676	14275	14256	14028	14021	14002	14170	14326	14407	14286	14567	15467	16025	16392	16552	16765	16940	17120	17130	17009	16842	17236	17604	17937	17870	17945	18120	18397	18111	17844	17444	17285	17710	18594	18626	18600	18463	18303	17982	17950	17622	17507		
SRev ST-Coal		141	149	212	169	293	301	454	527	593	565	588	570	565	559	552	582	550	327	192	212	181	202	189	194	215	208	223	201	208	196	202	218	203	217	196	201	229	190	212	178	210	190	165	208	217	194	188	194		
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	3	4	2	0	0	0	0	0	
SRev CCGT-Gas		1286	1571	1642	1968	2333	2584	2572	2715	2660	2827	2829	2827	2678	2580	2572	2662	2571	2173	1959	1788	1779	1871	1859	1755	1776	1760	1600	1446	1019	573	641	684	677	508	490	473	638	997	541	477	502	469	303	248	283	451	464	398		
SRev Co-Gen		0	0	-1	0	-2	0	1	0	2	1	0	0	0	0	0	0	-2	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Syncon		1018	1205	1205	1205	1104	1104	1104	1104	953	1104	1104	1104	1104	953	1104	1104	1104	1205	1205	1205	1306	968	1119	1119	1119	1119	968	1031	1031	943	943	943	842	554	403	554	741	741	741	302	0	0	338	338	764	764	703	577		
Hydro		406	266	331	259	118	132	124	139	260	140	143	142	136	269	140	142	230	198	129	131	119	349	218	173	187	189	352	219	235	243	247	201	107	247	450	323	179	122	220	198	490	577	515	615	292	213	387	214		
S.Reserve Total		2851	3191	3389	3601	3846	4121	4255	4485	4468	4637	4664	4643	4483	4361	4368	4490	4453	3903	3485	3336	3386	3390	3385	3241	3298	3277	3143	2897	2493	1955	2033	2046	1829	1526	1539	1551	1787	2050	1714	1155	1205	1240	1323	1409	1556	1622	1743	1383		