

### Availability at Daily Maximum Demand Hour

ST-Coal	9,632 MW
ST-Gas	556 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,523 MW
Distillate	0 MW
Others	0 MW
Gas	8,532 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,833 MW</b>
<b>Total System w/o solar</b>	<b>21,243 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	20,174 MW
Spinning Reserve	1,109 MW
Maximum Demand	19,062 MW
Net Energy	404,330 MWH
Load Factor	88 %
Operating Reserve	2,181 MW

### Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	186
EMPP	289
KLPP	91
NPRI	143
PCGP	85
SGRI	117
SPGP	100
PKLG	44
<b>Total Gas</b>	<b>1,086</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	226,348	55.98 %
ST-Gas	4,365	1.08 %
LSS	8,673	2.15 %
Hydro	13,804	3.41 %
Gas	154,576	38.23 %
Co-Gen	-2,469	-0.61 %
<b>Total Generation</b>	<b>405,297</b>	<b>100.24 %</b>

PLTG	251	0.06 %
HVDC	716	0.18 %
<b>Interconnection</b>	<b>967</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>404,330</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	419
Hydro	298
Syncon	682
Thermal	194
<b>Total</b>	<b>1,593</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	25

**Total Gas Required 1,086**

### 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	16507	15740	15258	14810	14416	14149	14479	14566	14938	16442	17129	17488	17371	16952	17792	18289	18536	18573	17657	17674	19014	18977	18469	18204

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024  
10:56:01 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	694	697	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696
JMAH	U002	698	697	695	696	695	696	698	696	697	694	697	694	694	696	695	695	696	696	696	696	696	696	696	696
JMHE	U001	935	935	933	934	938	932	933	934	932	934	933	933	934	933	933	933	933	934	931	932	935	931	933	935
JMHE	U002	978	981	973	975	975	975	975	937	941	939	943	943	938	941	940	940	941	968	980	980	978	980	979	980
JMJG	U001	666	669	662	666	665	666	660	668	666	661	671	664	667	672	666	662	662	668	676	666	670	669	666	667
JMJG	U003	671	673	669	673	676	672	667	672	674	667	673	670	671	682	676	672	673	671	673	671	671	668	673	636
JMJG	U005	979	975	974	975	978	980	974	937	935	939	939	939	938	939	938	940	937	977	979	975	975	975	974	977
PKLG	U003	274	274	275	275	276	275	276	273	275	273	274	274	274	274	274	274	274	275	274	274	275	274	274	275
PKLG	U004	276	273	273	273	275	277	269	275	279	278	274	277	275	275	275	273	275	273	272	273	272	272	272	275
PKLG	U005	465	470	473	471	471	465	468	468	467	460	474	471	469	466	464	471	469	467	469	470	466	471	466	471
PKLG	U006	469	470	469	467	465	466	467	465	469	463	464	468	468	467	466	466	466	465	468	466	466	466	465	465
TBIN	U001	689	689	688	688	689	688	688	689	688	689	687	688	688	688	688	689	689	688	688	689	690	689	688	688
TBIN	U002	692	692	692	690	687	688	688	691	690	688	688	688	687	687	688	687	686	688	687	689	688	688	687	690
TBIN	U004	983	982	982	984	985	985	982	942	946	946	943	944	942	941	941	941	942	947	982	981	983	982	983	984
Total ST-Coal		9469	9477	9454	9463	9471	9461	9441	9343	9354	9355	9344	9347	9344	9353	9340	9334	9340	9418	9470	9467	9467	9450	9461	9427
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
PKLG	U001	145	145	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U002	142	143	143	143	142	143	143	142	143	143	143	143	142	141	143	143	142	142	142	142	142	142	142	142
Total ST-Gas		287	288	251	143	142	143	143	142	142	143	143	143	142	141	143	143	142	142	142	142	142	142	142	143
EMPP	BLK1	699	716	730	680	583	574	490	421	423	418	408	414	458	497	419	426	500	726	673	715	730	722	731	702
EMPP	BLK2	700	715	730	684	582	577	491	420	424	424	408	414	457	496	425	433	493	727	672	715	730	720	729	705
EMPP	BLK3	704	717	730	683	582	581	490	420	427	422	408	414	458	499	420	433	493	727	676	715	730	719	730	703
GLGR	BLK1	140	140	138	138	141	138	140	139	138	140	138	138	139	140	138	137	137	139	137	136	138	139	138	137
KLPP	BLK1	369	362	363	364	367	362	365	367	367	366	362	362	373	362	365	354	355	356	355	355	356	357	356	433
NPRI	BLK1	511	515	386	332	332	331	331	334	332	332	324	332	334	332	332	329	332	333	517	512	517	513	517	508
NPRI	BLK2	512	516	328	331	332	329	330	331	330	329	323	329	331	329	329	329	328	329	518	512	518	513	518	508
PCGP	BLK1	589	598	601	603	606	601	603	506	403	402	389	402	406	603	600	601	603	604	601	591	603	593	600	583
SGRI	BLK1	165	163	164	166	167	163	168	169	168	168	163	165	169	165	164	165	164	163	163	162	159	154	156	219
SGRI	BLK2	160	161	159	161	156	161	166	166	163	158	158	157	161	166	164	162	161	160	158	156	162	165	163	163
SPGP	BLK2	696	697	695	695	694	694	694	695	697	579	579	577	646	696	697	696	698	697	696	697	695	689	685	686
TJGS	BLK1	655	399	405	403	402	403	400	404	401	398	396	401	401	398	394	401	401	405	503	680	686	687	687	679
TJGS	BLK2	539	451	451	450	452	450	450	452	452	451	451	453	452	452	451	450	448	448	451	448	682	680	681	681
Total CCGT-Gas		6439	6150	5880	5690	5396	5364	5118	4824	4725	4587	4507	4558	4784	5134	4902	4917	5112	5813	6122	6396	6709	6656	6699	6652
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
BSIA	HYDR	24	24	24	24	24	24	24	20	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11
CEND	HYDR	18	18	18	18	18	18	19	18	19	18	18	19	18	24	24	24	24	24	24	24	24	24	24	24
HTRG	PUAH	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	0	0	0	0	0	0	52	67	67
HTRG	TMBT	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HYDR	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	34	36	39	46	59
KNYR	HYDR	114	114	119	122	119	120	121	160	160	158	156	158	159	160	157	158	158	159	200	199	196	192	192	190
MHDY	MHDY	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	27	27	27	27	27	27
PGAU	HYDR	-2	-2	-2	-2	-2	-2	17	-2	-2	-2	18	-2	-2	-2	-2	-2	-2	17	-2	-2	-2	-2	-2	17
SIHY	HYDR	89	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HYDR	102	77	77	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HYDR	39	39	39	41	39	39	41	45	48	49	39	39	62	41	39	42	39	59	39	41	39	41	39	40
UJLI	HYDR	-2	-2	-2	91	71	-2	-2	-2	94	43	-2	-2	-2	-2	-2	-2	-2	-2	91	96	181	-2	-2	-2
Total Hydro		436	412	327	349	324	252	274	324	297	383	318	296	302	281	276	287	284	305	325	327	344	421	423	505

### 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 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
Total Solar		0	0	0	0	0	0	0	0	0	0	1	14	110	231	415	575	612	805	890	1055	1145	1163	1266	1298
ESTL	ESTL	0	0	0	2	0	10	6	1	0	0	4	0	10	6	5	5	6	0	0	0	0	0	0	0
PCUF	CUFG	3	5	4	3	5	2	3	4	3	3	3	3	3	4	3	4	4	2	2	3	3	3	3	3
PCUF	CUFK	9	10	9	9	11	11	8	10	11	10	11	11	10	11	12	10	9	9	9	7	7	7	5	3
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	4	4	4	4	4	4	4	4	4
Total NEDA Co-Gen		14	17	15	16	18	25	19	17	16	15	16	20	15	29	23	21	22	20	17	13	14	22	12	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		16645	16344	15927	15661	15351	15245	14995	14650	14534	14463	14328	14364	14588	14940	14685	14715	15009	15930	16492	16920	17288	17496	17627	17792
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
KHTC	BLK1	-106	-106	-107	-105	-103	-104	-103	-105	-102	-103	-105	-104	-108	-107	-109	-113	-116	-116	-116	-119	-120	-124	-125	-123
Total Franchise Area		-106	-106	-107	-105	-103	-104	-103	-105	-102	-103	-105	-104	-108	-107	-109	-113	-116	-116	-119	-120	-124	-125	-123	-124
Singapore		6	49	52	16	-36	66	56	4	-9	-3	50	9	-20	-32	-16	-18	-68	-46	-93	-49	12	24	-12	-41
Thailand		29	29	31	31	29	29	29	31	28	31	30	29	28	29	31	29	29	30	28	31	29	29	31	31
Interconnection		35	78	83	47	-7	95	85	35	19	27	79	38	8	-3	15	12	-39	-17	-63	-20	43	53	18	-12
Total Demand		16507	16163	15740	15512	15258	15049	14810	14513	14416	14337	14149	14224	14479	14838	14566	14597	14938	15834	16442	16827	17129	17326	17488	17682
SRev ST-Coal		163	155	178	169	161	171	191	289	278	297	288	285	288	279	292	298	292	214	162	165	165	182	171	185
SRev CCGT-Gas		818	910	1180	1370	1664	1696	1942	2236	2335	2473	2553	2502	2276	1926	2158	2143	1948	1247	938	664	351	404	361	408
SRev ST-Gas		66	66	64	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	36	36	36	36	36	36
SRev Co-Gen		0	-1	0	0	0	0	-1	0	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Syncon		1205	1205	1205	1018	1018	1205	1054	1205	1205	1018	1018	1054	1079	1079	1079	953	953	953	953	802	766	766	579	953
Hydro		246	245	180	270	295	180	309	133	135	236	301	287	131	152	157	146	150	129	109	107	241	200	198	303
S.Reserve Total		2498	2580	2807	2862	3173	3287	3530	3898	4015	4059	4195	4163	3809	3472	3721	3701	3379	2578	2197	1925	1595	1588	1533	1513