

Availability at Daily Maximum Demand Hour

ST-Coal	9,560 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,512 MW
Distillate	0 MW
Others	0 MW
Gas	9,123 MW
Co-Gen	0 MW
Total System	23,375 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	20,020 MW
Spinning Reserve	1,177 MW
Maximum Demand	18,825 MW
Net Energy	399,272 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	32
SRDG	4
TJGS	142
CBPS	43
EMPP	275
KLPP	57
NPRI	132
PCGP	79
SPGP	189
Total Gas	952

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	232,949	58.34 %
LSS	8,911	2.23 %
Hydro	14,988	3.75 %
Gas	143,993	36.06 %
Co-Gen	-489	-0.12 %
Total Generation	400,352	100.27 %
PLTG	351	0.09 %
EGAT	5	0.00 %
HVDC	724	0.18 %
Interconnection	1,080	0.27 %
Net Energy	399,272	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	823
Hydro	471
Syncon	519
Thermal	164
Total	1,977

Total Gas Required 952

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	16715	15853	15422	14828	14290	13998	14272	14292	14445	15974	16569	17040	16811	16655	17644	18457	18552	18400	17508	17521	18811	18791	18085	17700

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 21, 2024 12:34:42 PM

(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	697	695	694	695	695	696	695	696	696	697	696	695	695	696	696	696	695	696	695	696	695	694	702	695	694	694
JMAH	U002	696	696	695	693	695	695	693	695	695	693	693	696	696	697	696	694	697	692	694	696	693	694	696	695	696	695	694
JMHE	U001	933	936	934	935	933	935	937	930	909	900	903	899	898	900	900	900	902	937	940	938	937	937	937	936	937	936	938
JMHE	U002	927	930	931	929	928	930	931	930	917	898	900	898	898	900	899	901	900	930	930	928	932	932	930	849	755	700	699
JMIG	U001	542	467	401	414	420	416	427	463	503	529	592	662	674	666	670	672	672	673	671	671	672	675	669	671	677	677	677
JMIG	U003	670	668	671	676	673	671	669	670	671	670	671	668	667	668	672	612	631	677	678	671	677	671	675	674	674	675	677
JMIG	U005	977	978	976	975	972	977	978	975	917	895	897	900	897	895	900	900	902	937	974	973	980	977	975	977	974	975	977
PKLG	U003	274	274	276	275	275	276	276	275	208	160	156	148	152	150	151	150	151	240	247	263	278	278	276	276	275	273	274
PKLG	U004	277	275	278	274	276	278	271	274	236	162	146	152	154	155	154	153	150	210	258	272	282	274	277	274	273	272	270
PKLG	U005	463	470	471	456	418	478	373	284	272	270	269	270	269	270	270	270	336	386	468	457	474	452	463	463	463	466	466
PKLG	U006	471	467	465	468	467	469	465	467	467	469	467	467	471	471	465	466	468	465	466	469	468	468	467	464	469	468	466
TBIN	U001	687	690	689	688	689	691	689	690	667	650	635	600	648	650	649	690	691	690	690	687	691	690	690	689	689	688	691
TBIN	U002	688	688	688	687	689	689	688	688	676	652	623	595	645	649	646	648	689	688	688	689	688	687	689	688	689	690	689
TBIN	U003	687	689	688	687	690	693	689	685	680	650	639	599	638	650	648	650	689	703	690	687	690	688	690	688	687	691	689
TBIN	U004	982	984	981	982	983	982	983	981	924	902	903	903	903	903	903	903	903	949	983	984	983	984	986	982	984	986	983
Total ST-Coal		9971	9909	9839	9833	9803	9875	9765	9702	9438	9196	9191	9149	9305	9320	9319	9267	9408	9823	9994	10092	10124	10127	10101	10032	9947	9886	
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
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
CBPS	BLK2	201	202	201	200	201	201	201	203	205	203	203	203	203	201	203	202	203	202	201	201	201	201	201	201	323	362	362
EMPP	BLK1	716	576	472	437	410	411	411	410	410	409	410	489	522	455	416	411	411	420	411	410	411	432	458	411	375	375	472
EMPP	BLK2	712	604	606	615	598	604	595	593	585	601	581	595	606	613	603	610	601	602	600	590	601	610	620	588	588	620	691
EMPP	BLK3	712	579	483	444	408	414	404	402	395	410	392	405	493	526	458	418	412	411	552	623	755	751	749	750	748	747	745
GLGR	BLK1	137	137	137	136	137	137	136	137	137	137	136	136	138	135	137	137	137	137	136	136	137	136	136	136	138	137	139
KLPP	BLK1	177	177	177	176	169	172	174	173	168	172	167	173	184	181	179	179	181	181	181	181	180	185	185	175	174	180	180
NPRI	BLK1	328	331	333	330	329	331	323	319	319	329	313	323	332	330	331	333	330	328	328	322	326	330	334	332	316	314	317
NPRI	BLK2	338	335	334	334	331	335	324	324	322	332	316	325	335	335	334	334	333	330	329	325	329	331	335	336	319	317	320
PCGP	BLK1	590	601	603	497	390	400	381	378	376	398	363	382	402	402	400	401	400	394	591	581	593	597	605	605	571	368	378
SPGP	BLK1	707	707	707	707	710	499	449	449	449	450	451	449	448	449	449	449	450	648	678	708	707	703	703	704	647	648	690
SPGP	BLK2	707	706	702	704	706	498	498	447	450	449	450	449	448	449	451	449	450	648	699	706	707	708	704	702	704	648	649
TJGS	BLK1	404	400	401	401	402	400	397	387	383	401	371	399	402	400	403	400	402	398	400	388	399	402	401	403	381	378	387
TJGS	BLK2	450	449	449	449	450	450	451	451	451	450	451	451	275	341	343	258	258	257	258	258	258	258	259	259	259	259	259
Total CCGT-Gas		6179	5804	5605	5430	5241	4852	4794	4671	4648	4744	4604	4700	4742	4892	4746	4585	4566	4947	5235	5361	5471	5617	5665	5690	5515	5150	
SRDG	GT04	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
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	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	0	0
BSIA	HYDR	45	23	23	23	23	23	11	11	12	11	11	12	12	12	12	14	12	11	11	12	12	12	11	11	11	12	23
CEND	HYDR	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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	-1	-1
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	3	3
KNRG	HYDR	74	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNYR	HYDR	253	250	120	117	115	115	113	112	110	117	107	120	123	122	116	114	117	116	114	113	113	119	123	110	103	105	
MHDY	MHDY	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	39	39	39	39	39	39	40	40	40	40	40
PGAU	HYDR	-2	17	-2	-2	-2	17	-2	-2	-2	-2	-2	-2	-2	-2	18	18	-2	-2	-2	-2	-2	-2	-2	-2	17	18	
SIHY	HYDR	90	90	90	90	89	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HYDR	77	77	77	77	77	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HYDR	40	41	42	45	40	40	39	38	37	40	36	40	42	45	42	40	41	40	40	39	40	40	46	46	38	37	38
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	-2	-2

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 Hydro		647	606	458	458	450	450	330	267	264	275	259	264	280	286	302	294	273	275	272	268	268	269	281	286	264	256	259	306	403	602	822	873	999	926	978	689	459	624	582	1174	2115	1765	1696	1573	1215	1122	981	832				
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	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	0	0	0	0	28	155	356	483	543	655	853	981	1142	1228	1369	1333	1358	1283	1125	901	963	806	734	628	457	268	144	44	2	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	26	25	24	25	25	27	25	25	24	26	25	25	23	25	25	24	27	24	25	25	25	25	25	25	25	26	26	26	27	24	25	26	24	26	26	24	25	25	26	24	24	25	24	26	25	25	27					
PCUF	CUFK	16	14	14	15	14	16	15	16	15	16	15	15	15	14	14	14	14	13	11	11	10	10	8	6	5	4	5	6	5	3	5	6	3	5	6	8	7	9	9	9	10	12	13	15	14	15	15	16				
Total NEDA Co-Gen		42	39	38	40	39	43	40	41	39	42	40	40	38	39	39	38	41	37	36	36	35	35	33	31	30	29	31	32	31	30	29	31	29	29	32	34	31	34	34	35	34	36	38	39	40	40	40	43				
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	0	0	0	0
Total Generation		16839	16358	15940	15761	15533	15220	14929	14681	14389	14257	14094	14153	14365	14537	14406	14212	14443	15438	16020	16300	16553	16901	17061	17181	16984	16690	16686	17241	17843	18308	18576	18757	18805	18737	18686	18182	17666	17318	17611	18546	18960	18895	18829	18592	18152	18164	17823	17444				
ESTL	ESTL	-18	-1	-9	-8	-7	0	-12	-10	-13	-1	-4	-2	0	0	0	0	-9	-9	-1	-9	-10	-9	-1	-5	-9	-1	-40	-36	-37	-40	-37	-32	-28	-14	-13	0	-1	0	-7	-8	-7	-22	-16	-15	-37	-36						
KHTC	BLK1	-41	-38	-37	-37	-37	-38	-36	-38	-35	-36	-33	-35	-33	-36	-35	-30	-34	-37	-43	-44	-43	-41	-41	-42	-45	-51	-50	-53	-58	-59	-60	-61	-61	-61	-59	-55	-53	-52	-49	-49	-49	-47	-47	-45	-46	-44	-44	-44				
Total Franchise Area		-59	-39	-46	-45	-44	-38	-36	-50	-45	-49	-34	-39	-35	-36	-35	-30	-34	-37	-52	-53	-44	-50	-51	-51	-46	-56	-59	-54	-98	-95	-97	-101	-98	-93	-87	-69	-66	-52	-50	-49	-56	-55	-54	-67	-62	-59	-81	-80				
Singapore		36	24	12	35	39	-2	37	53	27	7	33	24	30	-5	51	-38	-63	-59	-34	-23	-88	-59	-56	28	100	-41	-55	12	75	-31	-6	70	127	84	172	139	63	-4	14	-19	65	-12	-44	19	-23	23	15	-51				
Thailand		31	29	32	31	31	30	31	30	31	32	32	29	31	29	31	31	29	31	31	30	30	29	29	30	30	30	29	29	31	31	31	31	30	30	31	31	31	31	30	28	31	30	31	31	31	31	30	30	30			
Interconnection		68	53	44	66	70	28	68	83	57	39	65	53	61	24	82	-7	-33	-28	-3	7	-57	-29	-27	58	130	-11	-25	42	104	0	25	101	158	113	202	170	95	27	43	10	96	18	-13	50	8	53	45	-21				
Total Demand		16715	16269	15853	15653	15422	15157	14828	14551	14290	14172	13998	14064	14272	14480	14292	14192	14445	15432	15974	16243	16569	16883	17040	17075	16811	16648	16655	17148	17644	18216	18457	18558	18552	18534	18400	17946	17508	17242	17521	18490	18811	18825	18791	18478	18085	18055	17700	17388				
SRev ST-Coal		246	133	153	159	182	117	175	199	600	715	694	648	590	572	579	603	437	287	218	170	138	135	161	200	285	196	205	149	152	159	158	140	150	151	155	160	158	156	197	179	146	163	152	158	142	153	147	162				
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	66	7	74	37	0	0	0	0			
SRev CCGT-Gas		1261	1714	1913	2088	2277	2666	2724	2847	2870	2774	2914	2818	2422	2272	2418	2579	2598	2217	1929	1803	1693	1547	1499	1474	1649	2014	1978	1502	918	466	174	351	260	182	178	219	315	954	458	122	277	268	231	280	290	174	227	373				
SRev Co-Gen		1	0	0	0	0	-1	0	0	0	0	0	-2	-1	-2	1	0	0	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	1	0	-2	0	0	0	0	0	0	0	0			
Syncon		991	840	991	991	991	991	840	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991			
Hydro		203	331	228	228	236	236	307	194	197	186	202	197	181	175	311	318	189	186	189	194	193	192	180	175	197	205	202	307	497	234	440	564	438	511	696	473	264	99	216	375	389	739	682	805	851	768	671	583				
S.Reserve Total		2789	3105	3372	3553	3773	4096	4133	4318	4745	4753	4888	4739	4270	4095	4235	4427	4301	3767	3413	3244	3102	2952	2918	2927	3209	3493	3460	2884	2206	1562	1049	1334	1126	1121	1306	1554	1629	2100	1763	1291	876	1177	1265	1406	1410	1559	1597	1757				