

Availability at Daily Maximum Demand Hour

ST-Coal	10,510 MW
ST-Gas	296 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,426 MW
Distillate	0 MW
Others	0 MW
Gas	8,540 MW
Co-Gen	0 MW
Total System	23,362 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:	16:30:00 Hour
Total Set On Bus	20,572 MW
Spinning Reserve	1,113 MW
Maximum Demand	19,433 MW
Net Energy	414,689 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	177
CBPS	48
EMPP	201
KLPP	64
NPRI	81
PCGP	84
SGRI	103
SPGP	201
Total Gas	990

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	245,933	59.31 %
LSS	8,089	1.95 %
Hydro	14,246	3.44 %
Gas	147,537	35.58 %
Co-Gen	-316	-0.08 %
Total Generation	415,489	100.19 %
PLTG	-628	-0.15 %
HVDC	1,428	0.34 %
Interconnection	800	0.19 %
Net Energy	414,689	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	563
Hydro	260
Syncon	752
Thermal	184
Total	1,759

Total Gas Required 990

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

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	17955	17139	16435	15843	15341	15055	14924	14925	15034	16529	17387	17835	17866	17629	17864	18848	19258	19145	18121	17934	18832	18781	18095	17735

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, June 4, 2024 9:19:12 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																													
Total Hydro		736	469	397	355	389	245	254	271	269	264	261	250	250	255	250	422	508	525	539	539	514	550	611	587	526	511	507	352	293	394	1044	1204	1160	1289	1274	736	739	606	464	947	1095	996	910	671	595	705	680	622					
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			
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	0	0	0	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	0	0	0	0	0	0	1	0	0	0	0	0	2	7	10	3	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	2			
PCUF	CUFK	32	33	32	32	32	32	32	33	32	32	33	31	33	33	32	32	31	31	33	33	32	32	31	32	33	32	33	32	33	33	31	34	32	34	32	33	32	33	33	32	32	33	32	32	33	32	32	33	32	32			
PCUF	CUFK	4	4	2	3	3	2	3	2	3	3	3	2	4	3	2	2	4	4	2	4	3	1	4	3	1	4	3	3	3	5	3	21	20	21	19	21	22	20	21	21	20	21	20	22	20	20	20	20	20	20			
PFTZ	PFTZ	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
Total NEDA Co-Gen		43	44	41	42	42	41	43	42	42	43	40	44	45	48	52	43	41	42	42	43	43	40	47	43	40	44	42	41	44	41	44	42	46	42	61	59	61	60	60	61	60	60	60	60	60	60	60	60	60	60	60		
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	0
Total Generation		18064	17483	17230	16785	16544	16224	15930	15722	15434	15200	15159	15033	15000	15082	14977	14832	15094	16057	16594	17058	17514	17728	17975	18165	18063	17876	17682	17754	17961	18457	19003	19232	19353	19355	19320	18667	18212	17764	17982	18758	18907	18884	18804	18587	18173	18053	17847	17714					
ESTL	ESTL	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-58	-59	-54	-60	-56	-55	-53	-56	-55	-51	-54	-50	-48	-54	-51	-52	-52	-60	-64	-64	-66	-75	-78	-74	-77	-78	-74	-75	-77	-86	-85	-88	-84	-79	-61	-52	-55	-51	-50	-50	-50	-52	-51	-48	-50	-48	-50	-50	-50				
Total Franchise Area		-58	-59	-54	-60	-57	-55	-53	-56	-55	-51	-54	-50	-48	-54	-51	-52	-52	-60	-64	-64	-66	-75	-78	-74	-77	-78	-76	-75	-77	-86	-85	-88	-84	-79	-61	-52	-55	-51	-50	-50	-50	-52	-51	-48	-50	-48	-50	-50	-50				
Singapore		-4	-92	-21	-81	-6	8	-22	9	-19	34	-6	-44	-29	-84	-55	-28	-50	-56	-54	-52	5	-21	5	80	63	-43	-79	-28	-37	-38	14	-3	-46	-33	59	-33	-21	-35	-59	-80	-30	-66	-87	-37	-27	-68	8	34					
Thailand		58	60	61	59	61	59	59	60	60	59	59	59	60	60	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
Interconnection		54	-32	40	-22	55	67	37	69	41	93	53	15	31	-25	4	32	11	3	4	6	64	39	65	140	123	16	-20	33	23	21	73	57	14	26	117	27	39	24	1	-21	28	-8	-26	23	33	-8	67	93					
Total Demand		17955	17459	17139	16750	16435	16105	15843	15600	15341	15059	15055	14971	14924	15056	14925	14751	15034	15997	16529	16991	17387	17617	17835	17954	17866	17785	17629	17649	17864	18353	18848	19090	19258	19433	19145	18591	18121	17692	17934	18732	18832	18845	18781	18516	18095	18014	17735	17574					
SRev ST-Coal		163	157	159	147	162	171	164	171	170	171	147	150	165	163	180	169	169	187	148	178	212	166	161	176	184	182	243	164	149	154	186	151	173	187	184	162	175	170	177	177	188	246	261	212	185	165	188	196					
SRev CCGT-Gas		357	666	842	1293	803	969	1281	1498	1785	2013	2076	2185	2207	2133	2221	2593	2503	1747	1314	940	563	524	487	352	370	780	1068	1098	1027	538	486	681	460	250	311	464	717	1047	831	521	519	384	363	390	754	1032	734	580					
SRev Co-Gen		0	1	-3	3	-1	0	0	0	0	0	0	0	1	1	-1	0	0	2	2	0	0	-1	0	0	0	0	0	0	0	1	0	0	2	0	-1	-2	-2	1	-1	0	0	-1	2	-2	0	-3	0						
Syncon		1041	1230	1230	1230	1230	1079	1079	1079	1230	1230	1230	1230	1129	1129	1129	978	890	1041	953	1041	1041	978	1129	1129	1129	1230	1043	277	277	277	277	277	277	277	277	552	854	1041	1142	766	579	579	667	856	1043	1043	791	978					
Hydro		201	152	184	51	17	137	128	262	264	269	161	132	132	127	132	161	75	58	195	196	70	209	60	171	208	72	76	231	189	275	391	231	275	397	562	575	270	129	178	246	285	384	318	368	157	47	324	195					
S.Reserve Total		1762	2206	2412	2724	2211	2507	2803	3010	3298	3532	3614	3697	3734	3654	3764	4051	3876	3121	2637	2206	1886	1852	1748	1740	2163	2516	2622	2595	2010	1341	1340	1185	1113	1334	1752	2014	2385	2329	1709	1571	1593	1608	1828	2137	2287	2034	1949						