

### Availability at Daily Maximum Demand Hour

ST-Coal	10,082 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,082 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,586 MW</b>

### Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

### Set On Bus And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	19,404 MW
Spinning Reserve	1,832 MW
Maximum Demand	17,546 MW
Net Energy	366,581 MWH
Load Factor	87 %

### Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	2
TJGS	132
CBPS	42
EMPP	250
KLPP	35
NPRI	64
PCGP	79
SGRI	67
SKSP	3
SPGP	205
<b>Total Gas</b>	<b>908</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	213,578	58.26 %
LSS	8,810	2.40 %
Hydro	11,471	3.13 %
Gas	135,219	36.89 %
Co-Gen	-1,006	-0.27 %
<b>Total Generation</b>	<b>368,072</b>	<b>100.41 %</b>
PLTG	759	0.21 %
HVDC	732	0.20 %
<b>Interconnection</b>	<b>1,491</b>	<b>0.41 %</b>
<b>Net Energy</b>	<b>366,581</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,577
Hydro	485
Syncon	593
Thermal	431
<b>Total</b>	<b>3,086</b>

**Total Gas Required 908**

#### Time Weather Temperature

Afternoon	Hot	36
Morning	Sunny	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	17546	16850	16216	15648	15078	14733	14597	13863	12807	12843	13367	13801	14054	14389	14974	15313	15477	15498	15356	15855	17143	17305	16988	16722

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 2:24:43 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Wednesday

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		406	235	235	269	253	238	234	237	237	268	294	297	339	340	297	336	285	305	279	329	353	292	284	277	292	378	325	335	318	307	305	300	319	318	315	353	352	351	532	977	1287	1335	1355	1354	1269	1218	978	784		
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
PCUF	CUFG	26	28	27	26	27	28	28	28	27	28	28	29	28	27	28	27	27	27	27	27	28	27	27	28	27	27	28	28	27	26	28	27	27	28	29	28	27	27	27	27	27	27	27	27	25	26	27			
PCUF	CUFK	2	3	3	5	3	6	4	4	2	4	4	3	3	2	3	3	4	3	4	1	3	2	3	3	4	4	2	4	4	4	4	3	3	2	3	4	4	3	4	3	3	4	3	3	3	3	2	3	3	
Total NEDA Co-Gen		28	31	30	31	30	34	32	32	29	32	32	31	29	31	30	32	30	31	27	30	29	30	30	31	32	29	31	32	31	31	31	31	29	29	32	31	30	32	32	31	31	30	30	30	30	27	29	30		
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
Total Generation		17645	17390	17076	16676	16350	16087	15780	15517	15224	15142	14865	14763	14707	14540	14014	13349	12918	12821	12879	13023	13419	13757	13951	14148	14227	14418	14515	14894	15073	15372	15453	15648	15776	15715	15709	15528	15458	15509	15935	16874	17274	17411	17492	17294	17122	17133	16834	16589		
ESTL	ESTL	-26	-28	-22	-20	-22	-22	-18	-24	-24	-25	-24	-20	-10	-18	-8	-8	-8	-22	-24	-35	-32	-37	-26	-25	-31	-25	-21	-26	-24	-19	-20	-19	-19	-25	-22	-20	-20	-24	-19	-21	-35	-22	-24	-16	-20	-16	-16			
KHTC	BLK1	-50	-50	-50	-50	-51	-50	-50	-50	-47	-46	-45	-44	-42	-41	-42	-39	-40	-41	-45	-49	-55	-54	-54	-56	-60	-57	-60	-60	-61	-65	-65	-63	-59	-55	-57	-54	-49	-50	-49	-50	-45	-47	-47	-44	-43	-43	-41			
Total Franchise Area		-76	-78	-72	-70	-73	-72	-68	-74	-71	-71	-69	-64	-62	-51	-60	-47	-48	-49	-67	-73	-90	-86	-91	-82	-85	-88	-85	-81	-86	-85	-84	-85	-82	-78	-80	-79	-74	-69	-74	-68	-71	-80	-69	-71	-60	-63	-59	-57		
Singapore		-4	101	127	14	34	20	36	25	46	30	36	-9	22	26	64	-2	35	-72	-60	-15	-65	73	33	36	62	86	12	2	-13	11	29	130	189	134	103	28	1	-50	-20	-37	32	51	90	58	46	16	26	4		
Thailand		30	30	30	31	31	30	30	32	32	30	30	29	29	31	31	31	31	31	30	30	30	29	29	32	32	30	30	30	30	31	31	31	31	30	30	30	29	31	32	32	31	30	31	31	29	32				
Interconnection		26	131	157	45	64	50	67	57	78	60	66	20	51	57	94	29	66	-41	-28	15	-35	102	62	65	91	118	44	32	16	41	59	160	220	165	134	58	31	-20	9	-6	63	82	121	87	77	47	56	36		
Total Demand		17546	17184	16850	16564	16216	15968	15648	15389	15078	15014	14733	14682	14597	14435	13863	13276	12807	12816	12843	12938	13367	13572	13801	14004	14054	14215	14389	14784	14974	15249	15313	15406	15477	15475	15498	15394	15356	15463	15855	16815	17143	17252	17305	17139	16988	17026	16722	16599		
SRev ST-Coal		214	192	229	191	202	242	195	184	267	275	371	435	483	578	747	804	824	874	815	837	814	805	788	756	789	708	664	577	481	268	193	186	154	203	208	172	176	171	172	166	208	164	167	175	184	167	189	181		
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	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		647	531	807	1280	1228	1430	1432	1709	1906	1959	2166	2090	2088	1978	2169	2088	2247	2290	2393	2305	2290	2297	2352	2280	2276	2293	2295	1997	1885	2198	2113	1700	1642	1414	1266	1321	1231	1120	827	376	241	250	252	370	359	346	425	485		
SRev Co-Gen		1	2	0	0	0	-1	-1	0	0	1	1	-1	1	-2	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	3	-2	0	-3	0	-2	-1	0	0	0	1	-2	0	1		
Syncon		640	641	741	741	590	741	741	741	741	653	653	653	653	653	653	653	653	653	653	804	653	653	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	804	529	126	126	126	126	277	615	615
Hydro		330	300	300	266	433	297	301	298	298	355	342	339	297	296	339	300	351	331	356	457	433	343	351	208	213	217	180	170	468	479	330	335	316	317	320	322	323	324	368	349	592	574	611	612	697	597	349	393		
S.Reserve Total		1832	1666	2077	2478	2453	2709	2668	2932	3212	3243	3620	3603	3609	3590	3995	3931	4162	4235	4455	4339	4277	4337	4381	4135	4169	4109	4031	3636	3575	3685	3527	3112	3002	2825	2688	2704	2621	2503	2258	1418	1166	1166	1156	1320	1367	1385	1578	1675		