

### Availability at Daily Maximum Demand Hour

ST-Coal	9,810 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,114 MW
Distillate	0 MW
Others	0 MW
Gas	9,267 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,371 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:	20:30:00 Hour
Total Set On Bus	20,101 MW
Spinning Reserve	818 MW
Maximum Demand	19,277 MW
Net Energy	412,683 MWH
Load Factor	89 %

### Gas Usage

Station	(mmscfd)
GLGR	52
SRDG	3
TJGS	172
CBPS	49
EMPP	285
KLPP	43
NPRI	73
PCGP	83
SGRI	46
SKSP	15
SPGP	198
<b>Total Gas</b>	<b>1,021</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	236,673	57.35 %
LSS	7,916	1.92 %
Hydro	15,225	3.69 %
Gas	154,442	37.42 %
Co-Gen	-288	-0.07 %
<b>Total Generation</b>	<b>413,968</b>	<b>100.31 %</b>
PLTG	-140	-0.03 %
HVDC	1,425	0.35 %
<b>Interconnection</b>	<b>1,285</b>	<b>0.31 %</b>
<b>Net Energy</b>	<b>412,683</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	391
Hydro	343
Syncon	562
Thermal	197
<b>Total</b>	<b>1,493</b>

**Total Gas Required 1,021**

#### Time Weather Temperature

Afternoon	Hot	35
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	16949	16116	15530	15046	14629	14350	14540	14494	15143	16917	17950	18486	18158	17656	18273	18677	18964	18881	17880	17952	19138	19208	18759	18272

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, May 21, 2024 5:44:59 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Monday

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		960	660	427	314	321	318	321	320	284	241	321	312	321	337	247	239	236	263	276	292	305	235	323	1052	678	472	303	396	319	477	487	799	1171	1466	1256	873	598	519	603	1389	1563	1419	1409	1250	1057	931	842	863				
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	7	16	14	15	11	15	20	14	7	12	18	16	12	19	16	16	20	15	10	10	9	12	12	14	10	0	0	0	8	7	6	6	4	2	0	0	10	10	7	2	10	4	10	10	10	16	10	10	10	10		
PCUF	CUFK	27	28	29	29	29	29	27	28	28	29	27	28	29	27	28	29	29	27	28	27	27	27	27	27	27	26	26	28	27	29	29	27	27	28	29	28	28	28	28	28	29	29	29	29	29	29	27	29	29			
PCUF	CUFK	4	30	30	32	29	31	27	29	30	31	28	31	31	31	29	28	32	28	31	23	4	4	3	3	4	3	3	2	3	3	3	3	3	4	1	2	2	4	4	3	3	4	0	3	2	4	3	4	3	4		
Total NEDA Co-Gen		38	74	73	76	69	75	74	71	65	72	73	75	72	77	73	73	81	70	70	62	41	44	42	44	41	30	30	29	29	37	38	36	38	37	30	29	30	43	42	38	33	43	33	42	41	43	46	43	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		17045	16654	16256	15861	15627	15395	15187	14914	14789	14520	14488	14432	14615	14771	14595	14570	15230	16358	16983	17504	18010	18410	18608	18591	18294	17880	17737	18067	18338	18629	18763	18986	19166	19329	19079	18622	18098	17829	18095	19089	19293	19341	19316	19177	18902	18679	18379	18128				
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	0	0	0	0	0
KHTC	BLK1	-51	-49	-51	-50	-49	-47	-44	-47	-47	-45	-47	-49	-50	-51	-53	-52	-54	-62	-62	-64	-72	-72	-77	-73	-75	-71	-74	-79	-82	-81	-79	-82	-82	-83	-79	-78	-75	-73	-71	-71	-65	-61	-61	-64	-62	-62	-59	-54	-54			
Total Franchise Area		-51	-49	-51	-50	-49	-47	-44	-47	-47	-45	-47	-49	-50	-51	-53	-52	-54	-62	-62	-64	-72	-72	-77	-73	-75	-71	-74	-80	-82	-81	-79	-82	-82	-83	-79	-78	-75	-73	-71	-71	-65	-61	-61	-64	-62	-62	-59	-54	-54			
Singapore		-10	-26	33	-49	-7	9	41	43	55	-4	36	-7	-30	27	-9	-37	-22	-5	-53	-92	-68	-82	-12	14	4	-100	-50	-96	-74	-58	-50	67	63	54	62	61	86	-14	16	7	35	-54	-9	-12	26	25	-9	-4				
Thailand		59	61	58	58	58	58	59	60	61	59	58	60	58	60	60	57	58	60	60	60	59	60	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		
Interconnection		48	35	92	9	51	67	100	103	116	55	94	53	28	87	51	21	36	55	7	-32	-9	-22	48	73	64	-40	10	-36	-14	1	10	127	123	114	122	120	146	46	75	67	93	6	50	46	84	85	51	54				
Total Demand		16949	16573	16116	15805	15530	15284	15046	14767	14629	14423	14350	14333	14540	14636	14494	14500	15143	16244	16917	17475	17950	18363	18486	18448	18158	17852	17656	18026	18273	18550	18677	18780	18964	19135	18881	18427	17880	17713	17952	18954	19138	19277	19208	19070	18759	18535	18272	18023				
SRev ST-Coal		221	196	198	224	205	229	330	470	478	457	503	495	490	502	493	500	507	468	207	194	190	209	195	191	175	202	200	195	240	186	185	165	264	197	178	160	155	159	148	170	203	159	217	156	241	149	145	174				
SRev CCGT-Gas		839	991	1153	1412	1665	1876	1985	2109	2188	2443	2412	2652	2474	2478	2499	2565	2122	1284	1035	689	614	461	329	430	446	672	802	632	385	391	252	220	227	311	364	546	583	745	564	342	314	259	217	207	274	230	338	405				
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	3	2	2	1	0	0	0			
SRev Co-Gen		0	0	1	1	0	-1	-1	0	0	-1	1	0	-1	0	1	1	0	0	-1	-1	1	0	1	0	1	0	0	1	0	1	-1	0	0	0	-1	0	0	0	0	0	0	0	1	1	0	0	0	0				
Syncon		651	651	827	928	928	928	928	777	928	928	928	928	928	1079	1079	1079	928	1079	1079	1079	1079	892	313	313	653	892	892	892	653	653	464	277	277	428	890	978	928	978	277	0	2	277	464	464	615	615	615					
Hydro		204	205	158	70	63	66	63	64	251	143	63	72	63	197	136	144	147	271	187	171	78	148	247	197	571	337	267	174	251	432	422	398	404	409	468	239	339	468	334	300	528	395	405	377	445	420	359	288				
S.Reserve Total		1915	2043	2337	2635	2861	3098	3305	3571	3694	3970	3907	4147	3954	4105	4208	4289	3855	2951	2507	2132	1962	1897	1664	1131	1506	1864	2161	1894	1768	1663	1511	1247	1172	1194	1437	1835	2055	2300	2024	1089	1045	818	1119	1207	1425	1414	1457	1482				