

### Availability at Daily Maximum Demand Hour

ST-Coal	8,401 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	10,142 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,835 MW</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

### Gas Usage

Station	(mmscfd)
GLGR	47
SRDG	3
TJGS	175
CBPS	46
EMPP	280
KLPP	57
NPRI	68
PCGP	83
PLPS	40
SPGP	200
<b>Total Gas</b>	<b>998</b>

### Alternate Fuel Usage

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

### Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,370 MW
Spinning Reserve	1,001 MW
Maximum Demand	18,347 MW
Net Energy	385,293 MWH
Load Factor	88 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	196,472	50.99 %
LSS	7,983	2.07 %
Hydro	29,925	7.77 %
Gas	150,388	39.03 %
Co-Gen	681	0.18 %
<b>Total Generation</b>	<b>385,449</b>	<b>100.04 %</b>
PLTG	151	0.04 %
EGAT	5	0.00 %
<b>Interconnection</b>	<b>156</b>	<b>0.04 %</b>
<b>Net Energy</b>	<b>385,293</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	591
Hydro	450
Syncon	379
Thermal	148
<b>Total</b>	<b>1,568</b>

**Total Gas Required 998**

#### 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	15498	14764	14065	13511	13027	12904	13248	13526	14181	15874	16563	16885	16682	16578	17424	17878	18181	18143	17203	17118	18263	18175	17658	17238

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 12, 2024 11:25:09 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																									
PCUF	CUFG	4	3	3	3	4	4	5	2	4	4	6	5	9	12	14	11	12	14	13	9	2	3	4	4	3	4	4	4	3	5	5	4	4	3	4	4	4	4	4	3	4	3	4	3	4	4			
PCUF	CUFK	21	22	22	18	4	6	3	3	3	3	4	3	3	24	22	22	24	22	22	24	22	22	22	21	20	20	20	21	19	19	21	19	20	20	20	26	28	30	29	29	29	30	29	28	30	29	28		
PFTZ	PFTZ	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	15	15	16	15	15	16	15	15	15	16	15	15	15	15	15				
Total NEDA Co-Gen		73	71	69	66	43	55	51	41	42	52	56	55	57	48	52	53	78	84	76	69	61	61	65	62	62	68	59	61	70	61	64	68	64	59	69	57	64	75	70	77	61	60	77	74	76	80	76	69	
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	
Total Generation		15535	15142	14778	14418	14082	13769	13569	13374	13081	13041	12937	13022	13264	13616	13540	13745	14209	15225	15882	16261	16605	16804	16899	16962	16714	16722	16592	16887	17446	17827	17892	18093	18220	18420	18213	17735	17293	16996	17197	17928	18321	18270	18246	18042	17727	17623	17295	16919	
KHTC	BLK1	-28	-29	-25	-26	-23	-23	-24	-21	-20	-20	-19	-17	-16	-17	-18	-20	-26	-30	-31	-33	-35	-42	-45	-44	-45	-41	-47	-47	-50	-50	-52	-54	-54	-56	-56	-53	-47	-46	-42	-41	-40	-38	-38	-37	-39	-39	-34		
Total Franchise Area		-28	-29	-25	-26	-23	-23	-24	-21	-20	-20	-19	-17	-16	-17	-18	-20	-26	-30	-31	-33	-35	-42	-45	-44	-45	-41	-47	-47	-50	-50	-52	-54	-54	-56	-56	-53	-47	-46	-42	-41	-40	-38	-38	-37	-39	-39	-34		
Singapore		12	-11	-8	4	-4	4	37	10	37	4	16	10	2	2	0	-4	12	1	-18	3	13	23	-25	-30	-8	11	-23	-33	-21	-19	-32	-2	-12	23	18	22	40	11	36	26	20	5	36	23	35	24	21	13	
Thailand		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Interconnection		12	-11	-8	4	-3	4	37	10	37	4	16	10	2	2	0	-4	12	1	-18	3	13	23	-24	-30	-8	11	-23	-33	-21	-18	-32	-2	-11	23	18	22	41	11	36	26	20	5	36	23	35	24	21	13	
Total Demand		15498	15127	14764	14391	14065	13745	13511	13346	13027	13020	12904	12996	13248	13601	13526	13734	14181	15202	15874	16231	16563	16750	16885	16951	16682	16670	16578	16877	17424	17799	17878	18047	18181	18347	18143	17661	17203	16942	17118	17863	18263	18228	18175	17984	17658	17563	17238	16875	
SRev ST-Coal		151	142	164	359	381	355	389	385	392	388	382	382	381	373	376	385	333	162	148	138	138	160	149	147	147	145	133	127	134	146	144	159	142	139	150	145	157	149	152	151	149	172	146	155	166	142	150	152	
SRev CCGT-Gas		1062	1352	1741	1873	2009	2271	2327	2528	2796	2859	2946	3012	2800	2440	2854	2496	2284	1704	1240	1062	886	818	752	821	1086	1295	1476	1131	819	543	613	401	316	311	416	462	649	874	660	260	211	203	213	218	270	284	501	678	
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 Co-Gen		-1	0	0	0	-1	0	0	1	0	0	-1	-1	0	0	0	0	1	0	0	-1	3	0	0	0	0	0	0	0	0	0	0	0	1	-1	0	0	0	-2	0	0	-1	-1	-1	-6	-2	0	0	0	
Syncon		525	525	525	525	525	525	525	525	525	525	525	525	525	374	525	525	525	525	676	676	676	676	676	676	676	676	525	676	676	489	489	338	338	151	151	151	338	338	338	151	0	0	0	0	0	187	374	338	
Hydro		276	362	363	368	522	611	716	702	719	711	742	741	716	873	739	746	631	568	567	378	361	406	368	403	413	412	520	387	238	299	185	337	308	401	460	683	602	541	588	543	520	612	651	839	814	721	633	542	
S.Reserve Total		2013	2381	2793	3125	3436	3762	3957	4141	4432	4483	4594	4660	4422	4059	4493	4152	3773	2959	2481	2254	2061	2059	1948	2047	2322	2528	2654	2321	1867	1477	1431	1235	1105	1001	1177	1441	1746	1900	1738	1105	916	986	1007	1203	1248	1334	1658	1710	