

### Availability at Daily Maximum Demand Hour

ST-Coal	9,281 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,338 MW
Distillate	0 MW
Others	0 MW
Gas	9,434 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,983 MW</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 3/26/2024	420,162 MWH

### Gas Usage

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

### Alternate Fuel Usage

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

### Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	17,840 MW
Spinning Reserve	1,350 MW
Maximum Demand	16,511 MW
Net Energy	347,492 MWH
Load Factor	88 %

<b>Total Gas Required</b>	<b>0</b>
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### Generation Mix

Type	MWh	Percentage
ST-Coal	209,568	60.31 %
LSS	6,025	1.73 %
Hydro	11,134	3.20 %
Gas	119,443	34.37 %
Co-Gen	455	0.13 %
<b>Total Generation</b>	<b>346,625</b>	<b>99.75 %</b>
PLTG	-167	-0.05 %
HVDC	-700	-0.20 %
<b>Interconnection</b>	<b>-867</b>	<b>-0.25 %</b>
<b>Net Energy</b>	<b>347,492</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,605
Hydro	443
Syncon	763
Thermal	459
<b>Total</b>	<b>3,270</b>

Time	Weather	Temperature
Afternoon	Hot	36
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	15876	15291	14787	14309	13937	13667	13518	13333	12671	12941	13420	13827	13770	13761	14123	14340	14595	14535	14373	14903	16363	16511	16213	15960

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 29, 2024 4:28:36 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Sunday

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																										
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5							
Total NEDA Co-Gen		57	59	58	55	58	60	59	57	57	59	57	62	58	53	52	51	53	50	52	55	52	52	51	51	51	50	52	52	51	51	53	52	52	49	53	52	48	42	40	42	41	43	41	41	41	41	42	42		
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		15880	15583	15211	15080	14772	14454	14308	14221	13921	13770	13614	13526	13482	13558	13315	13042	12655	12821	12923	13156	13388	13621	13855	13820	13749	13666	13751	13968	14114	14359	14381	14444	14634	14739	14591	14452	14370	14545	14890	15913	16378	16492	16535	16355	16226	16036	15958	15862		
ESTL	ESTL	0	0	0	0	0	0	-6	0	0	0	0	0	-1	-9	-9	-6	0	0	0	0	0	0	0	0	-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-6	-20	-11	-19	-1	-6	0
KHTC	BLK1	-26	-25	-24	-27	-26	-25	-24	-23	-22	-22	-21	-20	-18	-19	-18	-19	-23	-27	-26	-28	-31	-32	-36	-40	-41	-42	-43	-42	-49	-49	-42	-38	-44	-42	-39	-34	-29	-29	-29	-31	-31	-28	-29	-28	-28	-29	-28			
Total Franchise Area		-26	-25	-24	-27	-26	-25	-24	-29	-22	-22	-21	-20	-19	-28	-27	-25	-23	-27	-26	-28	-31	-32	-36	-51	-41	-42	-43	-42	-49	-49	-42	-38	-44	-42	-39	-34	-29	-29	-29	-31	-37	-48	-40	-47	-29	-35	-28			
Singapore		10	-40	-71	-12	-8	-5	7	-9	-6	-12	-44	-25	-24	-22	-15	5	-8	2	-12	2	-27	-3	29	-30	-38	-28	-19	-35	-18	4	25	-34	34	73	48	-9	-3	-2	-8	-7	17	12	7	4	-3	-31	-5	-1		
Thailand		-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29			
Interconnection		-19	-69	-101	-42	-38	-36	-22	-39	-35	-41	-72	-53	-53	-51	-43	-24	-37	-27	-41	-27	-56	-32	0	-59	-68	-58	-48	-64	-47	-25	-4	-63	5	43	18	-39	-33	-32	-38	-36	-13	-18	-21	-24	-31	-60	-34	-30		
Total Demand		15876	15630	15291	15098	14787	14468	14309	14234	13937	13792	13667	13561	13518	13593	13333	13042	12671	12829	12941	13161	13420	13626	13827	13847	13770	13687	13761	13993	14123	14339	14340	14469	14595	14656	14535	14456	14373	14552	14903	15923	16363	16476	16511	16342	16213	16070	15960	15867		
SRev ST-Coal		142	175	166	172	229	252	251	414	444	422	458	457	437	435	476	553	639	641	651	662	674	490	490	533	473	657	658	646	656	661	655	608	511	515	477	472	471	493	404	197	154	171	150	156	166	174	146	153		
SRev CCGT-Gas		484	611	886	978	1232	1554	1800	1585	1771	1950	2116	2296	2358	2284	2543	2667	2720	2682	2735	2708	2590	2716	2712	2750	2853	2601	2498	2327	2169	1872	1707	1594	1601	1460	1587	1633	1683	1431	1289	507	194	171	155	227	256	438	546	633		
SRev Co-Gen		1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	2	0	0	0	-1	0	0	0	0	0	0	0	-2	0	0	0	0	-1	0	1	0	0	0	0	0	-1	0	0	0	-1	0	1	0			
Syncon		588	739	739	739	739	739	739	978	978	978	978	978	978	978	978	978	978	978	978	978	978	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852		
Hydro		665	493	493	473	473	473	270	351	351	351	352	351	350	440	269	351	350	350	329	331	387	387	386	390	393	385	387	386	387	536	405	408	405	325	325	325	324	397	415	644	571	567	480	383	383	382	384			
S.Reserve Total		1880	2018	2283	2362	2673	3018	3263	3247	3544	3701	3903	4083	4124	4046	4286	4469	4688	4651	4714	4676	4573	4445	4441	4521	4568	4503	4391	4212	4063	3772	3599	3458	3372	3233	3241	3282	3331	3100	2942	1970	1506	1391	1350	1528	1656	1847	1927	2022		