

Availability at Daily Maximum Demand Hour

ST-Coal	7,611 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,287 MW
Distillate	0 MW
Others	0 MW
Gas	8,829 MW
Co-Gen	0 MW
Total System	20,557 MW

Maximum Demand Record

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

Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	17,594 MW
Spinning Reserve	1,253 MW
Maximum Demand	16,344 MW
Net Energy	333,469 MWH
Load Factor	85 %

Gas Usage

Station	(mmscfd)
GLGR	59
TJGS	155
CBPS	48
EMPP	246
KLPP	4
PCGP	77
PLPS	56
SGRI	6
SKSP	48
SPGP	170
Total Gas	868

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	176,534	52.94 %
LSS	5,653	1.70 %
Hydro	22,173	6.65 %
Gas	127,938	38.37 %
Co-Gen	472	0.14 %
Total Generation	332,770	99.79 %
PLTG	-13	0.00 %
HVDC	-686	-0.21 %
Interconnection	-699	-0.21 %
Net Energy	333,469	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,509
Hydro	476
Syncon	581
Thermal	257
Total	2,823

Total Gas Required 868

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	23

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	14949	14256	13668	13250	12822	12613	12683	12619	12059	12369	12794	13202	13160	13150	13604	13858	14213	14425	14361	14808	16267	16344	15988	15652

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 12, 2024 11:58:22 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																								
PCUF	CUFK	9	4	5	4	5	3	4	4	4	2	2	5	3	4	4	1	5	2	28	29	31	28	30	29	28	29	31	30	30	30	31	30	30	30	30	29	30	30	32	28	32							
	PFTZ	6	6	6	5	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6						
Total NEDA Co-Gen		48	43	44	41	44	45	49	46	43	35	30	33	33	36	36	46	42	40	33	44	30	34	33	29	67	62	72	68	59	68	58	73	70	65	72	68	76	61	70	56	62	70	57	51	56	58	69	71
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	
Total Generation		14934	14522	14239	13909	13647	13457	13262	12983	12823	12799	12629	12665	12672	12748	12620	12313	12047	12199	12335	12594	12753	12979	13166	13192	13159	13122	13128	13393	13576	13781	13861	14128	14242	14479	14448	14399	14408	14430	14813	15746	16290	16336	16370	16248	16027	15894	15686	15360
KHTC	BLK1	-32	-31	-31	-26	-30	-29	-29	-28	-26	-25	-24	-25	-22	-21	-22	-19	-25	-23	-25	-24	-27	-30	-33	-35	-36	-39	-38	-40	-38	-41	-43	-45	-42	-44	-45	-41	-40	-41	-37	-37	-33	-32	-34	-34	-37	-35	-32	
Total Franchise Area		-32	-31	-31	-26	-30	-29	-29	-28	-26	-25	-24	-25	-22	-21	-22	-19	-25	-23	-25	-24	-27	-30	-33	-35	-36	-39	-38	-40	-38	-41	-43	-45	-42	-44	-45	-41	-40	-41	-37	-37	-33	-32	-34	-34	-37	-35	-32	
Singapore		-15	8	-16	-32	-20	-1	14	-20	7	8	23	9	-5	9	11	-4	2	-2	-25	-32	-33	-27	-34	-22	-4	-5	-28	-6	-36	-14	-6	-4	16	7	11	30	39	8	-4	-10	18	20	26	27	37	22	30	-4
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
Interconnection		-44	-21	-45	-60	-48	-29	-14	-49	-22	-21	-6	-19	-33	-20	-17	-33	-27	-30	-53	-61	-61	-56	-62	-51	-32	-33	-57	-35	-64	-43	-34	-33	-12	-22	-17	2	10	-20	-33	-38	-11	-8	-3	-2	8	-7	2	-33
Total Demand		14949	14515	14256	13946	13668	13460	13250	13007	12822	12798	12613	12663	12683	12749	12619	12327	12059	12208	12369	12634	12794	13012	13202	13214	13160	13123	13150	13394	13604	13790	13858	14122	14213	14463	14425	14356	14361	14414	14808	15750	16267	16314	16344	16219	15988	15867	15652	15364
S.Rev ST-Coal		144	168	104	137	266	291	274	271	285	281	293	265	283	270	292	283	382	408	412	315	395	316	303	288	293	361	319	309	303	286	305	307	301	292	329	310	301	296	190	132	134	148	154	148	160	136	146	139
S.Rev CCGT-Gas		931	1232	1451	1439	1551	1738	1937	2228	2363	2374	2514	2507	2482	2427	2521	2864	3030	2913	2862	2553	2479	2448	2342	2361	2531	2434	2405	2130	2122	1901	1661	1391	1044	687	912	949	881	1157	1236	550	323	353	272	388	490	642	761	1041
S.Rev Co-Gen		2	0	-1	-2	2	0	0	0	0	-1	-2	-1	0	0	-1	0	0	0	0	0	0	-4	0	-2	-3	-1	-1	-1	1	-3	0	-2	0	0	1	1	0	0	0	2	0	0	0	0	0	4	0	2
Syncon		577	88	275	462	613	613	613	764	764	764	764	764	764	764	764	764	613	764	613	764	613	764	613	613	525	525	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	
Hydro		602	753	645	764	637	636	652	490	498	505	520	522	521	517	527	510	527	646	509	652	464	463	466	469	472	524	511	491	521	522	520	511	522	564	671	532	560	561	521	321	377	345	489	458	419	426	516	571
S.Reserve Total		2256	2241	2474	2800	3069	3278	3476	3753	3910	3923	4089	4057	4050	3978	4103	4421	4702	4580	4547	4133	4102	3987	3875	3729	3906	3843	3759	3605	3623	3382	3162	2883	2543	2219	2438	2468	2418	2690	2623	1681	1172	1184	1253	1519	1745	1884	2099	2429