

Availability at Daily Maximum Demand Hour

ST-Coal	7,881 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	20,827 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:	20:00:00 Hour
Total Set On Bus	17,574 MW
Spinning Reserve	1,184 MW
Maximum Demand	16,434 MW
Net Energy	357,544 MWH
Load Factor	91 %

Gas Usage

Station	(mmscfd)
GLGR	59
TJGS	164
CBPS	43
EMPP	265
KLPP	1
PCGP	82
PLPS	52
SKSP	18
SPGP	196
Total Gas	880

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	197,744	55.31 %
LSS	4,715	1.32 %
Hydro	20,870	5.84 %
Gas	132,742	37.13 %
Co-Gen	710	0.20 %
Total Generation	356,781	99.79 %
PLTG	-83	-0.02 %
EGAT	6	0.00 %
HVDC	-686	-0.19 %
Interconnection	-763	-0.21 %
Net Energy	357,544	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	874
Hydro	532
Syncon	628
Thermal	128
Total	2,162

Total Gas Required 880

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	15858	15147	14599	14122	13708	13469	13417	13355	13254	14224	14924	15258	15163	14721	15063	15334	15451	15281	15168	15519	16434	16357	15931	15527

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:00:49 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	3	3	3	4	4	3	4	3	5	5	4	4	5	5	4	3	4	3	4	3	4	3	4	4	3	5	4	2	3	4	3	4	3	4	4	4	4	5	3									
PCUF	CUFK	28	29	30	29	31	29	29	30	29	30	31	31	31	30	29	31	29	30	30	29	27	30	27	29	29	32	29	30	31	30	29	30	29	29	30	27	27	29	29	29	29	29	28	29	30			
PFTZ	PFTZ	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	6	6	6	6	6	6	6	6	6					
Total NEDA Co-Gen		64	48	53	59	59	65	70	67	65	71	55	65	68	49	71	72	66	72	68	58	64	67	63	61	61	57	57	58	61	63	70	61	66	67	70	70	71	71	65	66	73	58	72	66	66	56	49	59
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		15903	15513	15164	14934	14606	14358	14131	13830	13721	13614	13471	13452	13410	13470	13360	13385	13242	13859	14242	14635	14926	15144	15260	15303	15178	14915	14720	14937	15041	15275	15306	15391	15441	15401	15285	15212	15145	15231	15512	16260	16434	16347	16349	16144	15925	15680	15510	15334
KHTC	BLK1	-38	-33	-32	-33	-31	-32	-31	-29	-31	-26	-28	-26	-22	-20	-22	-20	-22	-26	-24	-29	-32	-33	-36	-39	-38	-43	-40	-40	-41	-42	-43	-42	-41	-41	-39	-44	-41	-43	-40	-47	-41	-36	-36	-35	-33	-30		
Total Franchise Area		-38	-33	-32	-33	-31	-32	-31	-29	-31	-26	-28	-26	-22	-20	-22	-20	-22	-26	-24	-29	-32	-33	-36	-39	-38	-43	-40	-40	-41	-42	-43	-42	-41	-41	-39	-44	-41	-43	-40	-47	-41	-36	-36	-35	-33	-30		
Singapore		38	25	16	13	7	3	9	2	13	17	5	2	-1	3	16	-4	0	36	24	13	5	13	1	0	8	0	-12	-14	-30	-32	-37	-41	-20	-12	-5	-15	-35	-25	-19	-20	-16	-3	-13	-25	-10	-11	-19	-18
Thailand		-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28
Interconnection		10	-3	-12	-15	-21	-26	-19	-26	-15	-11	-23	-26	-30	-26	-12	-32	-29	7	-4	-16	-23	-16	-27	-28	-20	-29	-40	-42	-58	-60	-66	-69	-48	-40	-33	-44	-63	-53	-47	-48	-44	-32	-41	-54	-38	-40	-47	-46
Total Demand		15888	15486	15147	14919	14599	14355	14122	13830	13708	13602	13469	13455	13417	13477	13355	13398	13254	13834	14224	14631	14924	15132	15258	15299	15163	14910	14721	14943	15063	15298	15334	15421	15481	15404	15281	15221	15168	15247	15519	16271	16434	16341	16357	16165	15931	15690	15527	15353
SRev ST-Coal		133	129	131	122	137	266	356	344	351	346	341	342	346	327	351	349	294	279	325	173	179	133	99	108	104	120	110	108	108	105	107	109	100	113	102	111	143	113	105	114	104	124	91	123	141	144	116	111
SRev CCGT-Gas		1187	1571	1872	1501	1830	1957	2020	2297	2380	2444	2552	2549	2548	2464	2519	2467	2453	1910	1556	1121	1023	884	846	906	1164	1412	1678	1527	1336	1004	883	564	387	372	760	756	732	844	685	218	217	263	169	208	342	437	509	683
SRev Co-Gen		0	-1	0	-1	0	1	0	0	1	1	0	0	0	0	-1	-1	-1	0	2	1	0	2	-1	1	0	0	1	1	0	0	0	2	-2	1	0	2	1	0	1	0	4	-1	0	1	-1	0	-1	
Syncon		489	489	489	676	676	676	676	764	676	676	676	613	764	764	676	676	676	676	764	676	676	676	764	764	613	613	764	613	764	764	764	764	764	764	764	764	613	462	187	187	374	462	613	764	577	577		
Hydro		683	677	656	582	566	564	509	510	514	524	522	652	522	516	650	512	495	513	510	485	487	487	488	492	627	625	495	624	495	492	494	229	376	378	406	510	522	563	564	558	676	682	559	599	472	484	627	644
S.Reserve Total		2492	2865	3148	2880	3209	3464	3648	3915	4009	4078	4178	4156	4180	4071	4132	4091	4004	3464	3154	2545	2453	2267	2199	2269	2509	2770	3047	2873	2704	2365	2248	1666	1629	1625	2033	2141	2163	2285	1967	1353	1184	1260	1192	1392	1569	1828	1829	2014