

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
Total System	22,983 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
Total Gas	0	Total	0
Total Gas Required	0		

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,924 MW
Spinning Reserve	1,083 MW
Maximum Demand	18,770 MW
Net Energy	392,405 MWH
Load Factor	87 %

Generation Mix

Type	MWh	Percentage
ST-Coal	216,293	55.12 %
LSS	8,514	2.17 %
Hydro	16,621	4.24 %
Gas	151,425	38.59 %
Co-Gen	-87	-0.02 %
Total Generation	392,766	100.09 %
PLTG	-287	-0.07 %
EGAT	4	0.00 %
HVDC	644	0.16 %
Interconnection	361	0.09 %
Net Energy	392,405	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	340
Hydro	577
Syncon	375
Thermal	147
Total	1,439

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	15434	14804	14268	13752	13352	13145	13253	13695	14343	15849	16557	17151	17109	17026	17904	18290	18686	18482	17541	17528	18586	18649	18205	17850

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 29, 2024 4:30:58 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	6	6	8	5	7	6	6	4	6	7	7	6	6	7	6	8	6	17	17	17	16	17	17	11	0	4	2	4	3	4	3	3	14	16	15	16	16	16	16	15	16	15	16						
PCUF	CUFK	29	30	7	4	4	3	4	3	2	5	4	4	4	3	3	4	4	2	2	4	3	13	28	28	29	30	27	30	28	26	27	28	28	28	26	29	29	29	29	30	30	30	30	29	30	30			
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	4	4	4					
Total NEDA Co-Gen		40	41	20	14	16	14	15	12	13	17	16	15	18	15	14	17	16	13	14	15	16	24	50	50	51	51	49	52	44	31	36	35	37	36	37	36	34	48	50	49	50	51	51	51	50	49	49	51	
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		15388	15126	14760	14590	14322	14009	13817	13662	13390	13379	13203	13204	13306	13617	13754	13936	14349	15282	15847	16233	16556	16982	17225	17281	17151	17039	17127	17429	18026	18296	18329	18630	18820	18894	18597	18156	17611	17311	17568	18323	18625	18707	18680	18477	18256	18143	17906	17640	
ESTL	ESTL	0	0	-5	0	-8	0	0	0	0	0	0	0	0	0	0	0	0	-8	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	0	-5	-7	
KHTC	BLK1	-28	-29	-27	-26	-25	-23	-24	-21	-21	-21	-20	-20	-19	-18	-17	-19	-20	-27	-31	-35	-36	-37	-36	-45	-41	-42	-44	-45	-49	-50	-54	-55	-55	-57	-56	-58	-52	-51	-46	-42	-40	-38	-37	-37	-34	-35	-33	-29	
Total Franchise Area		-28	-29	-32	-26	-33	-23	-24	-21	-21	-21	-20	-20	-19	-18	-17	-19	-20	-35	-37	-35	-36	-37	-36	-45	-41	-42	-44	-45	-49	-50	-54	-55	-55	-57	-56	-58	-52	-51	-46	-42	-40	-38	-37	-37	-36	-35	-38	-36	
Singapore		-41	-32	-45	-14	-7	1	12	9	-11	-3	11	-15	6	29	17	-5	-41	-16	-65	-92	-64	-10	11	-38	-27	-11	30	-42	47	6	-42	8	52	40	32	-6	-9	-33	-33	-25	-29	-20	-34	-23	-12	-15	-10	-12	
Thailand		-30	-30	-28	31	31	31	31	31	31	31	31	31	31	29	28	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	32	31	30	31	31	32	
Interconnection		-71	-62	-73	16	24	32	44	41	20	28	41	15	37	58	45	25	-10	15	-35	-62	-33	20	42	-7	5	20	61	-10	77	36	-11	39	83	71	63	24	22	-2	-2	4	2	11	-3	8	18	16	21	19	
Total Demand		15434	15162	14804	14551	14268	13957	13752	13603	13352	13333	13145	13172	13253	13544	13695	13895	14343	15236	15849	16264	16557	16929	17151	17247	17109	16981	17026	17398	17904	18214	18290	18540	18686	18770	18482	18078	17541	17266	17528	18280	18586	18661	18649	18435	18205	18095	17850	17588	
S.Rev ST-Coal		166	216	278	273	363	377	521	513	407	410	430	401	401	419	413	416	411	264	129	134	160	144	138	117	132	117	123	130	136	149	151	151	150	145	161	158	157	133	156	157	155	181	160	159	152	143	170	152	
S.Rev CCGT-Gas		921	1115	1398	1567	1584	1881	2111	2271	2581	2593	2748	2722	2622	2313	2181	2033	1688	1061	787	570	446	264	301	340	570	653	1019	904	600	371	335	293	223	204	248	211	409	696	399	198	185	159	178	179	221	254	381	176	
S.Rev Co-Gen		0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	-1	-1	0	0	0	0	1	0	0	0	-1	0	0	0	0	1	0	0	0	0	0	0	-2
Syncon		701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701
Hydro		456	455	455	455	455	456	456	456	455	456	456	357	357	486	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487	487
S.Reserve Total		2244	2488	2832	2996	3103	3415	3789	3941	4144	4160	4335	4332	4233	3919	3782	3638	3287	2513	2104	1892	1794	1596	1536	1461	1711	1957	2329	2221	1829	1518	1488	1452	1322	1083	1237	1365	1772	2036	1802	1169	991	914	941	1144	1364	1326	1476	1362	