

Availability at Daily Maximum Demand Hour

ST-Coal	7,611 MW
ST-Gas	294 MW
ST-Oil	296 MW
LSS	1,240 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	8,736 MW
Co-Gen	0 MW
Total System	20,589 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:	16:00:00 Hour
Total Set On Bus	19,007 MW
Spinning Reserve	1,071 MW
Maximum Demand	17,935 MW
Net Energy	377,940 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	187
CBPS	48
EMPP	280
KLPP	62
PCGP	83
PLPS	79
SGRI	53
SKSP	53
SPGP	197
PKLG	14
Total Gas	1,107

Alternate Fuel Usage

Station	(mmscfd)
PKLG	19
Total	19

Generation Mix

Type	MWh	Percentage
ST-Coal	178,652	47.27 %
ST-Gas	1,395	0.37 %
ST-Oil	1,947	0.52 %
LSS	4,945	1.31 %
Hydro	29,223	7.73 %
Gas	161,374	42.70 %
Co-Gen	-313	-0.08 %
Total Generation	377,223	99.81 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	398
Hydro	446
Syncon	358
Thermal	192
Total	1,394

Total Gas Required 1,127

PLTG	-37	-0.01 %
EGAT	6	0.00 %
HVDC	-686	-0.18 %
Interconnection	-717	-0.19 %
Net Energy	377,940	100.00 %

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	14884	14146	13611	13247	12769	12801	13088	13531	14174	15709	16456	16883	16836	16545	17392	17779	17935	17588	16726	16699	17555	17518	16960	16375

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 12, 2024 11:56:15 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																										
ESTL	ESTL	26	16	31	24	32	31	19	22	19	22	19	20	30	29	22	32	32	22	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
PCUF	CUFG	3	4	5	4	3	3	4	4	4	4	5	5	3	4	3	3	3	3	4	4	4	4	3	4	4	3	3	3	4	3	3	3	5	5	3	3	4	3	4	4	4	4	4							
PCUF	CUFK	9	4	6	3	2	1	4	3	5	6	4	4	4	2	5	4	3	2	1	5	3	4	4	4	5	3	3	5	4	2	2	4	3	3	3	5	4	5	5	4	3	2	3	4	4	0	0			
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	6	6					
Total NEDA Co-Gen		44	30	48	37	43	41	33	35	34	38	33	35	43	43	33	46	45	34	28	22	15	12	13	14	14	14	12	12	14	14	12	12	13	13	12	13	14	13	16	16	13	12	12	12	14	14	10	10		
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		14882	14401	14106	13816	13606	13346	13221	13026	12781	12834	12794	12885	13079	13532	13535	13660	14157	15138	15669	16108	16431	16718	16854	16925	16803	16651	16557	17002	17418	17697	17770	17939	17981	17925	17616	17228	16772	16538	16720	17426	17588	17668	17541	17305	16987	16822	16394	16089		
ESTL	ESTL	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	-10	-8	-11	0	0	0	-2	0	-1	-5	-2	-2	0	0	0	-2	-2	-4	-2	0	0				
KHTC	BLK1	-31	-31	-28	-29	-30	-28	-23	-26	-24	-25	-24	-24	-25	-27	-29	-29	-32	-35	-36	-38	-41	-39	-42	-42	-45	-45	-48	-52	-52	-50	-47	-46	-45	-41	-38	-36	-38	-35	-33	-35	-35	-34	-34	-34	-36	-31	-32			
Total Franchise Area		-31	-31	-28	-29	-30	-28	-23	-26	-24	-25	-24	-24	-25	-27	-29	-29	-32	-35	-36	-38	-41	-39	-42	-42	-45	-55	-56	-63	-52	-50	-47	-48	-45	-42	-43	-38	-40	-35	-33	-35	-37	-36	-38	-36	-36	-31	-32			
Singapore		-2	-43	-37	-14	-4	25	-17	5	20	-4	0	-5	-1	27	8	-13	-14	-2	-43	-40	-30	-35	-35	-15	-43	-6	-11	-19	-4	-41	-27	-7	30	13	18	21	40	49	18	-1	29	37	18	20	22	14	19	3		
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		-30	-71	-65	-42	-32	-4	-46	-23	-9	-32	-28	-34	-30	-2	-20	-41	-42	-31	-71	-68	-59	-63	-64	-43	-71	-35	-39	-47	-33	-69	-55	-36	2	-15	-10	-7	12	21	-10	-29	1	9	-10	-9	-6	-14	-9	-26		
Total Demand		14884	14444	14146	13832	13611	13325	13247	13026	12769	12844	12801	12898	13088	13512	13531	13675	14174	15141	15709	16144	16456	16744	16883	16930	16836	16645	16545	16997	17392	17718	17779	17932	17935	17899	17588	17196	16726	16481	16699	17425	17555	17625	17518	17279	16960	16803	16375	16086		
SRev ST-Coal		153	155	203	191	196	218	189	203	206	203	213	182	210	201	199	220	199	130	164	146	140	149	143	163	152	143	145	146	144	142	147	152	152	165	151	146	159	146	155	155	161	162	166	155	142	146	156	157		
SRev CCGT-Gas		1479	1911	1823	2060	2036	2272	2556	2747	2941	2938	2951	2935	2733	2296	2290	2175	1743	978	597	315	428	299	268	306	369	732	1001	609	352	447	500	336	284	329	492	608	709	859	669	438	462	388	369	393	637	584	733	886		
SRev ST-Oil		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	39	39	39	42	43	43	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
SRev ST-Gas		0	0	0	0	0	0	0	30	31	33	33	36	36	37	36	38	39	38	38	38	38	38	38	38	38	38	39	39	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		0	0	0	0	1	0	-2	1	0	0	-1	0	-3	-1	1	0	0	1	1	0	1	1	0	0	1	0	-1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	-1	0	0	-2	-2		
Syncon		676	676	676	525	676	676	676	676	676	676	676	676	676	676	676	676	676	525	676	676	676	676	676	676	676	676	676	338	0	151	151	151	151	151	489	676	676	676	338	151	151	0	489	489	338	338	338			
Hydro		570	603	563	695	564	564	551	562	620	749	620	616	619	613	615	616	612	714	499	483	390	336	339	380	373	336	390	261	379	564	487	423	445	454	587	235	341	340	300	407	389	381	675	408	498	489	526	434		
S.Reserve Total		2878	3345	3265	3471	3473	3730	3970	4219	4474	4448	4492	4445	4271	3822	3817	3725	3269	2386	1975	1658	1673	1499	1464	1412	1458	1925	2250	1730	1252	1192	1324	1101	1071	1141	1424	1521	1930	2065	1843	1382	1207	1127	1254	1488	1809	1601	1795	1857		