

Availability at Daily Maximum Demand Hour

ST-Coal	9,101 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,372 MW
Distillate	0 MW
Others	0 MW
Gas	9,422 MW
Co-Gen	0 MW
Total System	22,775 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:	15:30:00 Hour
Total Set On Bus	19,509 MW
Spinning Reserve	1,221 MW
Maximum Demand	18,214 MW
Net Energy	391,198 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	40
TJGS	173
CBPS	49
EMPP	298
KLPP	66
NPRI	72
PCGP	88
PLPS	37
SGRI	3
SKSP	32
SPGP	103
Total Gas	961

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	212,627	54.35 %
LSS	8,294	2.12 %
Hydro	25,548	6.53 %
Gas	144,665	36.98 %
Co-Gen	257	0.07 %
Total Generation	391,391	100.05 %
PLTG	196	0.05 %
HVDC	-3	0.00 %
Interconnection	193	0.05 %
Net Energy	391,198	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	436
Hydro	532
Syncon	443
Thermal	175
Total	1,586

Total Gas Required 961

Time Weather Temperature

Afternoon	Hot	33
Morning	Cloudy	22

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	16545	15728	15093	14554	14183	13969	14086	14266	14450	15881	16540	16907	16947	16641	17177	18053	18180	18030	17146	16687	17859	17742	17204	16986

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 6:27:23 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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	17	26	25	24	26	20	15	25	24	32	34	32	22	17	17	31	24	26	24	15	27	28	29	19	17	20	10	13	12	25	26	26	25	14	15	16	22	17	18	25	18	26	26	26	21	12	21	26	
PCUF	CUFG	4	4	3	3	4	4	4	4	4	3	4	4	3	4	4	4	4	5	4	4	4	3	4	5	3	3	3	3	4	3	4	3	4	3	4	5	2	3	3	3	4	3	4	5	3	4	3	5	
PCUF	CUFK	30	30	28	28	29	30	30	29	29	30	29	29	29	30	29	29	29	29	29	29	29	29	29	29	28	28	29	29	27	27	27	27	27	27	27	28	26	28	30	29	29	28	29	29	30	29	29	30	
PFTZ	PFTZ	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	8	8	8	8	8	8	8	8	8		
Total NEDA Co-Gen		51	60	56	55	59	54	49	58	57	65	67	65	54	51	49	65	58	60	57	48	60	60	62	52	48	52	42	46	45	57	57	56	56	44	46	49	50	48	51	65	59	65	67	68	62	53	61	69	
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	0
Total Generation		16613	15997	15743	15441	15139	14933	14595	14388	14220	14104	14033	13994	14128	14278	14283	14224	14450	15337	15878	16267	16545	16720	16927	17122	16987	16903	16676	16947	17229	17636	18109	18353	18302	18308	18149	17511	17220	16753	16748	17614	17920	17867	17805	17628	17284	17180	17065	17161	
KHTC	BLK1	-41	-39	-39	-38	-38	-37	-37	-37	-34	-33	-34	-32	-33	-29	-31	-35	-35	-41	-41	-40	-42	-48	-47	-56	-53	-53	-51	-55	-55	-57	-61	-68	-67	-67	-60	-58	-60	-51	-48	-48	-47	-45	-44	-44	-40	-42	-40	-43	
Total Franchise Area		-41	-39	-39	-38	-38	-37	-37	-37	-34	-33	-34	-32	-33	-29	-31	-35	-35	-41	-41	-40	-42	-48	-47	-56	-53	-53	-51	-55	-55	-57	-61	-68	-67	-67	-60	-58	-60	-51	-48	-48	-47	-45	-44	-44	-40	-42	-40	-43	
Singapore		30	3	-21	16	11	42	7	19	6	30	33	14	12	-4	-11	-9	-3	13	-12	-1	-5	-21	5	17	19	1	16	34	29	15	28	45	29	37	33	2	-12	-15	-14	-2	-13	-1	-8	-4	13	-23	12	-1	
Thailand		0	0	0	0	0	0	0	0	0	0	0	0	0	0	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	-29
Interconnection		30	3	-21	16	11	42	7	19	6	30	33	14	12	-4	-11	-9	-3	13	-12	-1	-5	-21	5	17	19	1	16	34	29	15	28	45	29	37	33	2	-12	-15	-14	-2	-13	-1	-8	-4	13	-23	12	-1	
Total Demand		16545	15958	15728	15390	15093	14857	14554	14335	14183	14044	13969	13951	14086	14256	14266	14229	14450	15315	15881	16260	16540	16726	16907	17082	16947	16882	16641	16890	17177	17597	18053	18214	18180	18178	18030	17425	17146	16691	16687	17541	17859	17796	17742	17561	17204	17134	16986	17150	
SRev ST-Coal		261	196	345	296	209	188	323	332	329	327	348	339	354	326	379	326	338	176	185	172	173	179	168	170	174	183	182	173	162	169	169	181	159	179	187	169	208	173	187	190	170	187	187	174	188	153	174	143	
SRev CCGT-Gas		834	773	902	940	1128	1387	1594	1457	1626	1717	1762	1806	1675	1531	1497	1564	1467	882	517	318	448	531	461	315	965	780	1263	982	887	566	356	450	349	366	329	499	605	630	609	368	232	271	243	259	438	440	371	396	
SRev Co-Gen		-1	-1	-1	0	0	0	0	1	-2	-1	0	-1	0	-3	-1	3	0	0	1	-2	-3	1	-4	0	-1	-1	0	0	-1	0	0	1	-1	0	1	0	0	1	2	-3	0	0	-1	-1	0	1	0	3	
Syncon		525	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	
Hydro		542	535	482	540	529	542	527	526	528	563	570	571	693	562	687	611	607	622	622	585	586	587	590	587	633	735	625	720	607	483	392	287	296	610	601	629	470	624	678	444	499	502	594	618	439	338	440	358	
S.Reserve Total		2161	2179	2404	2452	2542	2793	3120	2992	3157	3282	3356	3391	3247	3092	3087	3180	3088	2356	2001	1749	1880	1974	1891	1748	2447	2222	2746	2400	2331	1894	1219	1221	1105	1155	1118	1635	1808	2104	2152	1488	1052	1111	1174	1352	1741	1421	1287	1202	