

Availability at Daily Maximum Demand Hour

ST-Coal	8,401 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	9,422 MW
Co-Gen	0 MW
Total System	22,115 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	5
TJGS	179
CBPS	49
EMPP	304
KLPP	68
NPRI	74
PCGP	89
PLPS	38
SGRI	58
SKSP	50
SPGP	108
Total Gas	1,050

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,993 MW
Spinning Reserve	975 MW
Maximum Demand	18,016 MW
Net Energy	389,779 MWH
Load Factor	90 %

Generation Mix

Type	MWh	Percentage
ST-Coal	196,753	50.48 %
LSS	7,481	1.92 %
Hydro	29,161	7.48 %
Gas	156,257	40.09 %
Co-Gen	214	0.05 %
Total Generation	389,866	100.02 %
PLTG	82	0.02 %
EGAT	5	0.00 %
Interconnection	87	0.02 %
Net Energy	389,779	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	550
Hydro	434
Syncon	385
Thermal	165
Total	1,534

Total Gas Required 1,050

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	16692	15832	15169	14701	14350	14085	14293	14235	14337	15564	16149	16532	16476	16348	17181	17701	17836	17709	16813	16945	17959	17965	17488	17237

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 6:24:55 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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																															
Total Hydro		1483	1290	1342	1279	875	874	891	834	839	844	866	872	893	880	874	875	873	867	940	1067	1105	1046	1046	1062	1040	1038	1044	1174	1197	1389	1549	1351	1529	1680	1647	1363	1103	1065	1213	1699	1931	1884	1826	1801	1659	1537	1347	1181							
Total Distillate		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	0	0				
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	161	275	513	669	856	977	946	997	1025	1004	1006	956	864	944	892	762	634	514	342	312	207	72	6	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	10	24	13	20	11	15	17	19	15	14	13	22	31	24	26	28	28	16	17	21	19	19	14	19	15	28	20	27	22	22	15	26	17	13	17	16	18	26	24	13	21	14	18	2	2	27	23	25							
PCUF	CUFG	4	3	4	4	4	3	3	3	4	4	4	3	4	2	5	6	5	4	4	4	4	2	4	5	3	3	3	5	3	3	4	3	4	4	3	3	3	4	5	4	3	5	3	4	3	5	4	4							
PCUF	CUFK	29	29	29	29	28	29	29	29	30	29	30	29	30	30	28	29	30	28	30	29	29	29	29	30	29	28	29	29	29	28	29	28	29	29	28	32	29	29	29	29	28	29	31	29	30	28	28								
PFTZ	PFTZ	7	5	5	5	5	5	5	5	5	5	5	5	4	5	4	5	5	5	5	5	4	4	4	3	4	3	4	3	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Total NEDA Co-Gen		50	61	51	58	48	52	54	56	54	52	52	59	69	61	63	68	68	53	56	59	56	54	51	57	51	63	55	64	58	58	51	59	52	47	51	48	49	62	58	46	53	48	49	35	36	61	57	57							
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	0	0				
Total Generation		16719	16229	15848	15550	15209	14954	14765	14515	14400	14181	14132	14066	14310	14383	14258	14175	14392	15155	15601	15948	16199	16471	16555	16580	16505	16406	16421	16858	17236	17570	17766	17816	17904	17980	17828	17341	16902	16749	16994	17642	17997	18067	18008	17788	17530	17523	17270	17014							
KHTC	BLK1	-37	-37	-35	-35	-37	-36	-37	-34	-33	-31	-31	-29	-31	-33	-32	-33	-35	-40	-38	-44	-45	-48	-50	-50	-55	-56	-57	-58	-64	-63	-65	-65	-62	-63	-57	-57	-56	-54	-57	-53	-52	-50	-50	-51	-47	-45	-43								
Total Franchise Area		-37	-37	-35	-35	-37	-36	-37	-34	-33	-31	-31	-29	-31	-33	-32	-33	-35	-40	-38	-44	-45	-48	-50	-50	-55	-56	-57	-58	-64	-63	-65	-65	-62	-63	-57	-57	-56	-54	-57	-53	-52	-50	-50	-51	-47	-45	-43								
Singapore		-7	8	-16	8	5	17	29	33	20	23	19	-12	-9	-10	-8	-25	25	4	1	15	10	-8	-21	-61	-17	-4	21	29	1	-25	6	-30	6	33	60	31	36	5	-2	-3	-12	2	-4	-1	-6	1	-10	8							
Thailand		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	0					
Interconnection		-7	8	-16	8	6	17	30	33	20	23	19	-12	-9	-9	-7	-25	25	4	1	15	10	-7	-21	-61	-17	-4	21	29	1	-24	6	-30	7	33	60	32	36	6	-2	-3	-12	2	-4	-1	-6	1	-9	9							
Total Demand		16692	16187	15832	15510	15169	14904	14701	14451	14350	14130	14085	14050	14293	14364	14235	14171	14337	15120	15564	15899	16149	16437	16532	16595	16476	16359	16348	16776	17181	17534	17701	17785	17836	17889	17709	17256	16813	16691	16945	17591	17959	18016	17965	17742	17488	17478	17237	16965							
SRev ST-Coal		145	155	144	161	154	158	169	246	318	311	314	315	315	305	317	301	320	318	210	149	187	156	175	171	162	157	160	167	166	154	152	174	146	166	146	145	154	156	158	168	167	168	175	159	163	158	163	164							
SRev CCGT-Gas		1425	1647	848	1073	1007	1261	1458	1576	1523	1773	1849	1898	1685	1601	1709	1814	1620	1012	907	989	891	776	811	761	868	1010	969	819	409	279	591	425	406	328	351	523	740	761	523	293	297	283	282	310	373	339	503	592							
SRev OCGT-Gas		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	0					
SRev Co-Gen		0	0	-4	1	2	1	-1	0	0	0	1	0	-7	0	0	1	1	0	1	0	1	0	2	0	-1	-2	0	0	-1	-1	0	1	0	0	0	1	1	0	-3	0	1	-2	0	0	-1	0	-1	1							
Syncon		151	338	338	338	525	525	374	676	676	676	676	676	676	676	676	676	676	676	676	525	525	676	676	676	676	676	676	676	676	489	151	338	338	151	0	151	338	525	525	151	151	151	151	151	151	151	338	374							
Hydro		488	494	442	505	722	723	857	612	607	602	610	604	583	596	602	601	603	619	546	570	532	440	440	424	446	448	442	312	289	284	462	473	295	331	515	648	721	572	424	562	330	377	435	460	602	724	477	607							
S.Reserve Total		2209	2634	1768	2078	2410	2668	2857	3110	3124	3362	3450	3493	3252	3178	3304	3393	3220	2625	2340	2233	2136	2048	2104	2032	2151	2289	2247	1974	1539	1205	1356	1411	1185	976	1012	1468	1954	2014	1627	1174	947	975	1037	1117	1375	1372	1480	1738							