

Availability at Daily Maximum Demand Hour

ST-Coal	9,065 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,238 MW
Distillate	0 MW
Others	0 MW
Gas	9,811 MW
Co-Gen	0 MW
Total System	23,294 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	18,839 MW
Spinning Reserve	1,242 MW
Maximum Demand	17,634 MW
Net Energy	362,365 MWH
Load Factor	86 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	118
CBPS	40
EMPP	258
KLPP	36
NPRI	126
PCGP	75
SGRI	34
SPGP	176
Total Gas	892

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	208,487	57.54 %
LSS	8,494	2.34 %
Hydro	12,063	3.33 %
Gas	133,009	36.71 %
Co-Gen	-87	-0.02 %
Total Generation	361,966	99.89 %
PLTG	176	0.05 %
HVDC	-575	-0.16 %
Interconnection	-399	-0.11 %
Net Energy	362,365	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,732
Hydro	295
Syncon	557
Thermal	325
Total	2,909

Total Gas Required 892

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	23

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	16605	15958	15269	14810	14374	13999	13877	13496	12749	13064	13781	14222	14109	14273	14726	15195	15324	15518	15337	15852	17391	17634	17347	17217

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 13, 2024 5:42:32 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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	CUFK	14	13	30	28	28	29	30	31	28	29	30	29	29	29	28	29	29	28	28	30	28	27	27	26	26	24	24	25	30	25	25	30	28	29	30	29	29	29	30	30	25	26	27	28					
Total NEDA Co-Gen		44	42	59	59	58	60	61	62	59	57	60	59	59	59	58	60	60	58	59	59	59	61	57	58	58	56	56	54	54	56	61	56	54	61	59	59	61	60	59	60	60	60	60	54	57	58	58		
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		
Total Generation		16646	16417	16006	15683	15324	15135	14827	14569	14465	14171	14010	13919	13897	13855	13495	12963	12731	12819	13039	13346	13737	14081	14276	14319	14307	14229	14313	14650	14698	14920	15112	15180	15385	15561	15626	15501	15459	15464	15902	17014	17415	17643	17663	17628	17428	17359	17281	17043	
ESTL	ESTL	-8	-19	-9	-15	-18	-7	-17	-17	-16	-5	-4	-10	-16	-1	0	0	-4	-13	-9	-8	0	0	-9	-4	-16	-14	-4	0	-14	0	0	0	0	0	-8	-9	-2	0	0	-4	-4	-14	-13	-14	-14	-17	-18	-21	
KHTC	BLK1	-56	-56	-53	-55	-54	-54	-54	-50	-48	-46	-48	-44	-45	-45	-37	-46	-38	-38	-44	-44	-46	-48	-52	-54	-57	-59	-65	-56	-58	-62	-64	-60	-61	-60	-60	-60	-62	-61	-60	-62	-55	-57	-56	-54	-54	-54	-52	-51	
Total Franchise Area		-64	-75	-62	-70	-72	-61	-71	-67	-64	-51	-52	-54	-61	-46	-37	-46	-42	-51	-53	-52	-46	-48	-61	-58	-73	-73	-69	-56	-72	-62	-64	-60	-61	-60	-68	-69	-64	-61	-60	-66	-59	-71	-69	-68	-68	-71	-70	-72	
Singapore		9	-20	19	-26	16	-1	-21	-29	60	46	-9	10	-8	22	-4	-10	-27	-16	-44	-61	-87	-61	-4	112	128	55	-26	86	-67	-108	-115	-61	31	11	72	89	92	73	20	22	-3	14	-7	43	45	46	27	19	
Thailand		-28	-29	-29	-30	-30	-29	-30	-30	-31	-31	-28	-28	-30	-30	-31	-31	-31	-31	0	0	0	0	0	0	0	0	0	-30	-29	-29	-29	-29	-29	-29	-29	-31	-29	-28	-28	-30	-29	-30	-30	-30	-29	-30	-29	-29	-29
Interconnection		-20	-49	-11	-56	-14	-30	-51	-59	30	15	-38	-19	-38	-8	-35	-41	-57	-47	-75	-61	-87	-61	-4	113	128	55	-26	86	-97	-137	-144	-89	3	-18	43	60	61	44	-7	-5	-32	-15	-37	13	16	17	-3	-10	
Total Demand		16605	16394	15958	15672	15269	15107	14810	14564	14374	14108	13999	13887	13877	13820	13496	12961	12749	12818	13064	13358	13781	14097	14222	14151	14109	14104	14273	14511	14726	14998	15195	15212	15324	15522	15518	15375	15337	15362	15852	16956	17391	17590	17634	17550	17347	17274	17217	16984	
SRev ST-Coal		160	144	147	153	158	172	161	148	167	391	374	392	371	373	439	689	689	698	677	686	684	525	421	417	542	619	592	567	427	304	173	158	170	174	182	159	185	192	189	157	144	157	166	189	168	164	187	167	
SRev CCGT-Gas		606	473	994	827	1169	1374	1674	1945	2024	2106	2229	2296	2350	2380	2625	2642	2690	2647	2599	2611	2515	2580	2577	2643	2635	2575	2543	2379	2397	2412	2280	2118	1750	1377	1508	1838	1726	1667	1161	377	264	266	260	296	321	314	364	435	
SRev Co-Gen		0	-1	0	0	0	0	1	1	0	0	-1	-1	1	1	-4	0	0	-2	0	-2	-2	0	2	-2	0	-2	0	0	0	0	0	0	0	0	0	1	-1	0	0	0	0	0	0	-1	-1	0	-1		
Syncon		890	890	890	890	890	739	890	890	890	739	890	890	890	890	890	890	890	890	840	804	804	617	466	617	617	617	617	617	617	617	466	617	617	617	840	1012	991	1012	825	579	428	428	428	579	667	667	1041		
Hydro		204	139	153	86	97	220	89	90	93	225	92	98	87	101	121	117	148	159	268	167	83	129	299	179	174	119	122	104	131	113	142	285	166	164	176	306	173	167	136	183	351	411	388	419	371	366	372	185	
S.Reserve Total		1947	1732	2271	2043	2401	2592	2902	3161	3261	3548	3671	3762	3786	3832	4158	4425	4504	4479	4471	4353	4171	3938	3852	3941	4055	4015	3960	3754	3659	3531	3299	3114	2790	2417	2570	3230	3184	3103	2585	1629	1338	1262	1242	1332	1438	1510	1590	1827	