

Availability at Daily Maximum Demand Hour

ST-Coal	10,292 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,347 MW
Distillate	0 MW
Others	0 MW
Gas	9,461 MW
Co-Gen	0 MW
Total System	24,280 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:	20:30:00 Hour
Total Set On Bus	18,198 MW
Spinning Reserve	1,330 MW
Maximum Demand	16,841 MW
Net Energy	361,088 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	49
CBPS	38
EMPP	245
NPRI	146
PCGP	72
SPGP	169
Total Gas	748
Total Gas Required	748

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	230,713	63.89 %
LSS	5,605	1.55 %
Hydro	11,920	3.30 %
Gas	113,562	31.45 %
Co-Gen	-270	-0.07 %
Total Generation	361,530	100.12 %
PLTG	-280	-0.08 %
HVDC	722	0.20 %
Interconnection	442	0.12 %
Net Energy	361,088	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,340
Hydro	260
Syncon	766
Thermal	285
Total	2,651

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	24

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	16210	15322	14743	14203	13758	13525	13576	13509	13316	14267	14874	15217	15207	14738	15176	15329	15415	15430	15348	15786	16805	16813	16284	16047

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 27, 2024 9:36:54 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	22	23	22	23	23	22	22	23	24	21	22	22	22	23	23	21	22	24	22	22	21	21	20	20	20	19	21	21	21	21	20	21	21	20	20	22															
PCUF	CUFK	14	15	16	15	14	12	14	13	12	11	11	13	12	12	13	14	14	12	12	13	11	12	10	10	11	10	11	11	11	11	11	11	12	13	12	11	11	13	12	14	13	14	11								
Total NEDA Co-Gen		36	38	38	38	37	34	36	36	36	32	33	35	35	34	35	36	37	36	36	38	33	34	35	33	35	33	31	33	34	33	33	33	32	31	31	31	32	32	34	33	32	32	33	33	35	33	34	33			
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		16331	15748	15378	15022	14786	14507	14254	14015	13740	13683	13603	13595	13637	13607	13566	13356	13311	13878	14270	14616	14922	15179	15261	15427	15280	14992	14769	15016	15270	15455	15451	15572	15571	15569	15546	15366	15362	15476	15906	16563	16899	16918	16899	16682	16387	16307	16051	15851			
ESTL	ESTL	-13	-22	-20	-14	-5	0	-6	-16	-2	-8	-4	-8	-2	-2	-2	-1	0	-3	-6	-8	-8	0	0	0	0	0	-18	-9	-22	-9	-22	-9	-23	-11	-3	-21	-6	0	0	0	-5	-8	-19	-5	-17	0	0	-3			
KHTC	BLK1	-26	-30	-31	-30	-29	-29	-31	-30	-27	-27	-25	-28	-26	-26	-26	-27	-29	-26	-27	-30	-35	-36	-42	-43	-40	-44	-44	-46	-49	-49	-50	-50	-54	-50	-51	-49	-48	-48	-46	-46	-45	-46	-43	-45	-45	-44	-41				
Total Franchise Area		-39	-52	-51	-44	-34	-29	-35	-47	-32	-35	-31	-33	-30	-28	-28	-27	-27	-32	-32	-35	-38	-35	-36	-42	-43	-40	-62	-53	-68	-58	-71	-59	-73	-65	-53	-72	-55	-48	-48	-46	-51	-53	-65	-48	-62	-45	-44	-44			
Singapore		55	6	-22	-7	-19	-44	-12	-64	-76	-34	20	-16	3	-17	3	-67	-59	-2	-56	16	-18	-22	-19	-42	2	-22	-57	-57	-2	78	24	-2	55	9	37	-11	-69	54	45	-20	16	-4	-6	-41	15	-18	-67	-28			
Thailand		30	31	31	31	31	30	30	30	30	30	30	31	31	29	29	30	30	30	30	31	31	31	31	31	31	29	29	31	31	31	29	29	31	31	29	29	30	30	30	30	30	31	29	29	30	30					
Interconnection		85	37	8	24	12	-13	19	-34	-47	-5	50	15	34	12	32	-37	-29	28	-26	47	13	8	11	-12	33	6	-28	-26	29	108	54	29	86	38	66	20	-38	84	75	10	46	27	24	-10	44	11	-37	2			
Total Demand		16210	15662	15322	14957	14743	14494	14203	14005	13758	13656	13525	13550	13576	13570	13509	13369	13316	13821	14267	14537	14874	15139	15217	15400	15207	14949	14738	14992	15176	15292	15329	15487	15415	15469	15430	15277	15348	15347	15786	16510	16805	16841	16813	16647	16284	16254	16047	15808			
SRev ST-Coal		194	179	179	240	300	307	496	602	703	705	705	712	685	703	757	763	759	731	633	437	401	254	249	264	255	253	264	253	259	276	251	313	250	240	232	399	428	416	427	244	226	209	162	245	259	236	361	362			
SRev CCGT-Gas		1538	1632	1853	1947	2170	2323	2313	2378	2329	2314	2375	2354	2333	2355	2368	2309	2328	1902	1805	1836	1705	1723	1665	1583	1757	2004	2208	2033	1718	1513	1509	1292	1376	1298	1273	1148	1067	917	618	501	275	200	155	153	307	281	363	366			
SRev Co-Gen		0	0	0	0	-2	0	0	-2	1	0	-2	-2	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	-1	-1	0	-1			
Syncon		791	827	978	978	978	978	827	978	978	978	978	978	978	978	827	978	827	978	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	640	552	552	552	640	741	590	590	741	928
Hydro		180	387	182	126	108	114	237	126	109	106	116	102	137	133	252	141	363	158	301	217	207	325	197	194	203	222	219	154	193	194	205	140	84	108	239	148	212	328	417	233	470	369	411	372	526	373	239	174			
S.Reserve Total		2703	3025	3192	3291	3554	3722	3873	4082	4120	4103	4172	4144	4133	4169	4204	4191	4276	3769	3566	3317	3140	2978	2938	2868	3042	3306	3519	3267	2997	2811	2792	2572	2537	2473	2571	2522	2535	2488	2103	1530	1523	1330	1368	1511	1681	1479	1704	1829			