

Availability at Daily Maximum Demand Hour

ST-Coal	10,070 MW
ST-Gas	296 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,201 MW
Distillate	0 MW
Others	0 MW
Gas	8,590 MW
Co-Gen	0 MW
Total System	22,747 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	18,155 MW
Spinning Reserve	2,090 MW
Maximum Demand	16,088 MW
Net Energy	344,802 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	126
CBPS	40
EMPP	160
KLPP	37
NPRI	88
PCGP	77
SPGP	181
Total Gas	738

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	221,327	64.19 %
LSS	7,413	2.15 %
Hydro	7,706	2.23 %
Gas	109,355	31.72 %
Co-Gen	-75	-0.02 %
Total Generation	345,726	100.27 %
PLTG	-502	-0.15 %
HVDC	1,426	0.41 %
Interconnection	924	0.27 %
Net Energy	344,802	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,437
Hydro	224
Syncon	1,019
Thermal	545
Total	3,225

Total Gas Required 738

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	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	16046	15446	14885	14299	13893	13596	13526	13078	12430	12702	13435	13759	13660	13820	14225	14447	14597	14615	14287	14847	15972	16051	15563	15378

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 6, 2024 5:07:19 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																										
ESTL	ESTL	8	0	0	0	8	10	12	12	10	2	0	0	0	16	9	0	0	6	0	0	0	2	0	0	0	0	0	0	0	0	0	0	15	12	9	8	8	6	3	0	6	10								
PCUF	CUFG	31	33	33	33	31	32	33	34	34	33	32	35	33	34	33	32	33	33	33	33	31	32	34	32	31	33	33	33	32	33	32	33	31	31	32	32	33	33	32	32	32	33	32	33						
PCUF	CUFK	11	11	10	19	22	22	22	22	23	24	24	25	25	24	13	14	14	13	14	13	11	11	10	6	7	7	6	6	5	5	3	4	4	5	5	11	14	14	14	13	14	14	14	15	14	15				
Total NEDA Co-Gen		50	44	43	52	53	62	65	68	69	67	58	60	58	58	46	62	56	45	46	51	46	44	44	43	39	39	41	38	37	38	44	46	42	37	37	38	36	42	61	58	56	54	54	52	49	48	52	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	0		
Total Generation		16144	15914	15481	15168	14983	14739	14355	14275	13990	13851	13652	13553	13546	13508	13169	12608	12414	12590	12768	13004	13480	13771	13843	13851	13886	13836	13983	14363	14447	14609	14648	14633	14749	14817	14736	14504	14364	14559	14917	15826	16021	16114	16092	15902	15624	15474	15479	15258		
KHTC	BLK1	-53	-53	-51	-51	-52	-50	-48	-53	-51	-50	-49	-50	-46	-45	-43	-45	-44	-43	-47	-48	-52	-51	-52	-54	-54	-59	-58	-61	-66	-63	-68	-65	-61	-60	-56	-52	-54	-53	-53	-57	-53	-52	-51	-51	-52	-52	-51	-53		
Total Franchise Area		-53	-53	-51	-51	-52	-50	-48	-53	-51	-50	-49	-50	-46	-45	-43	-45	-44	-43	-47	-48	-52	-51	-52	-54	-54	-59	-58	-61	-66	-63	-68	-65	-61	-60	-56	-52	-54	-53	-53	-57	-53	-52	-51	-51	-52	-52	-51	-53		
Singapore		-13	14	-72	-73	-11	37	-48	-43	-10	14	-49	-55	-82	-75	-9	-55	-116	-88	-37	-99	-64	27	-25	-42	116	30	48	136	100	62	76	-16	35	42	8	-12	-34	-15	-41	-44	-61	-83	-65	-61	-47	-130	-6	-71		
Thailand		61	58	60	58	60	60	59	58	59	60	59	58	59	59	60	58	59	61	59	60	60	59	60	60	58	61	60	60	60	59	59	60	60	59	60	60	59	60	59	60	59	60	58	59	59	58	59	58	59	60
Interconnection		48	72	-13	-14	49	97	11	16	49	74	10	4	-23	-16	51	4	-57	-27	22	-39	-4	85	35	18	175	91	108	196	159	123	136	44	94	101	68	48	26	44	20	14	-1	-23	-7	-2	12	-72	53	-11		
Total Demand		16046	15792	15446	15134	14885	14595	14299	14209	13893	13730	13596	13502	13526	13482	13078	12562	12430	12577	12702	12998	13435	13638	13759	13782	13660	13689	13820	14109	14225	14426	14447	14527	14597	14659	14615	14407	14287	14465	14847	15758	15972	16088	16051	15856	15563	15497	15378	15219		
SRev ST-Coal		143	139	171	150	214	209	383	412	390	393	402	417	436	523	524	706	718	789	791	743	707	663	643	689	699	695	687	688	699	690	645	466	483	469	475	486	463	461	470	192	275	246	402	353	364	410	376	364		
SRev CCGT-Gas		623	585	942	1308	1052	1313	1521	1570	1877	2012	2232	2248	2226	2090	2300	2413	2346	2333	2416	2347	2330	2382	2357	2312	2215	2258	2184	1822	1702	1403	1512	1700	1404	1439	1213	1338	1555	1753	1248	958	788	595	248	247	245	267	567	235		
SRev Co-Gen		2	-1	-1	0	0	0	-3	2	0	-1	2	2	-1	0	-2	0	1	0	1	-2	-2	-1	0	1	0	0	-1	0	0	0	0	-2	0	0	-1	-4	0	0	-1	0	0	0	0	-2	0	0	0	0		
Syncon		978	1129	1230	1079	1230	1230	1230	1230	1230	1079	1079	1230	1230	1079	1230	1230	1230	1230	953	1104	1104	1104	1104	1104	1104	1104	1104	953	1104	1104	1104	1104	1104	1104	1104	1104	954	953	1104	1104	1003	953	917	741	856	892	755	768		
Hydro		337	227	169	297	154	151	156	156	160	157	273	259	100	76	266	166	151	152	167	291	89	165	174	172	168	161	163	297	161	161	163	304	165	174	173	172	175	320	175	169	205	296	263	367	368	254	152	216		
S.Reserve Total		2083	2079	2511	2834	2650	2903	3287	3370	3657	3791	3988	4005	3991	3919	4167	4515	4446	4504	4605	4332	4228	4313	4278	4278	4186	4218	4137	3760	3666	3358	3424	3421	3156	3186	2964	3096	3147	3487	2996	2423	2271	2090	1828	1708	1833	1823	1850	1670		