

Availability at Daily Maximum Demand Hour

ST-Coal	9,420 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,361 MW
Distillate	0 MW
Others	0 MW
Gas	8,848 MW
Co-Gen	0 MW
Total System	22,809 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:	16:30:00 Hour
Total Set On Bus	19,414 MW
Spinning Reserve	1,042 MW
Maximum Demand	18,306 MW
Net Energy	397,266 MWH
Load Factor	90 %

Gas Usage

Station	(mmscfd)
GLGR	33
TJGS	90
CBPS	46
EMPP	288
KLPP	65
NPRI	144
PCGP	83
SGRI	89
SPGP	196
Total Gas	1,034

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	220,552	55.52 %
LSS	7,788	1.96 %
Hydro	12,478	3.14 %
Gas	155,955	39.26 %
Co-Gen	-413	-0.10 %
Total Generation	396,360	99.77 %
PLTG	-209	-0.05 %
HVDC	-697	-0.18 %
Interconnection	-906	-0.23 %
Net Energy	397,266	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	526
Hydro	299
Syncon	814
Thermal	186
Total	1,825

Total Gas Required 1,034

Time Weather Temperature

Afternoon	Cloudy	34
Morning	Sunny	25

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	16416	15688	15099	14510	14180	13902	14188	14392	14828	16396	17035	17542	17475	17336	17842	18154	18203	18143	17042	17029	18233	18202	17746	17375

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, July 12, 2024 10:03:13 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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	10	8	10	9	9	10	8	9	10	9	10	9	7	8	8	10	11	11	10	8	9	9	10	9	12	8	11	9	8	9	9	10	14	13	12	11	14	13	13	12	12	13	13	11	12	11	11		
PCUF	CUFK	29	29	30	31	31	29	28	29	31	29	30	29	30	27	30	29	32	30	30	28	30	29	28	31	29	28	28	28	28	29	29	30	29	29	29	30	29	29	30	29	29	30	29	29	29	31			
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Total NEDA Co-Gen		43	41	44	44	44	43	40	42	43	44	42	44	42	40	42	39	44	44	47	44	42	41	43	43	41	47	41	43	41	40	41	41	41	43	47	47	45	44	47	47	46	45	46	46	47	44	45	44	46
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		16394	15925	15618	15307	15063	14823	14586	14358	14241	14039	13948	14063	14218	14406	14377	14326	14757	15781	16341	16747	16998	17374	17652	17780	17573	17423	17457	17751	17927	18041	18067	18103	18247	18453	18258	17622	17092	16845	17078	17951	18257	18278	18231	18005	17731	17517	17333	16858	
ESTL	ESTL	-8	-8	-10	-8	-19	-7	-10	-8	-5	-11	-10	-2	-11	0	-8	0	-9	-14	-26	-16	-10	-9	-1	-6	-11	-11	-17	-25	-13	-10	-21	-19	-8	-22	-19	-18	-20	-7	-5	-13	-12	-12	-4	-20	-4	-10	-9	-3	
KHTC	BLK1	-40	-40	-38	-39	-40	-39	-40	-38	-35	-35	-33	-32	-34	-34	-36	-40	-41	-43	-47	-49	-54	-60	-60	-59	-61	-59	-61	-65	-64	-64	-65	-67	-62	-65	-63	-58	-59	-59	-60	-55	-58	-55	-50	-48	-48	-48	-47		
Total Franchise Area		-48	-48	-48	-47	-59	-46	-49	-48	-43	-46	-45	-35	-43	-34	-42	-36	-49	-55	-69	-63	-59	-63	-61	-66	-70	-72	-76	-86	-78	-74	-85	-84	-75	-84	-84	-81	-78	-66	-64	-73	-67	-70	-59	-70	-52	-58	-57	-50	
Singapore		-37	10	-86	-50	-63	-29	58	-8	50	-2	33	-34	20	79	-25	44	-87	-13	-92	-60	-63	-13	82	35	59	24	78	52	39	-120	-139	-104	0	95	62	36	4	-31	18	-5	-12	24	1	-44	-36	-48	-67	-54	
Thailand		-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29		
Interconnection		-67	-19	-115	-78	-92	-58	30	-36	21	-31	4	-62	-10	49	-54	15	-117	-42	-121	-89	-93	-43	52	5	31	-5	48	22	10	-149	-169	-134	-28	66	34	8	-25	-60	-12	-35	-40	-4	-27	-72	-64	-77	-96	-83	
Total Demand		16416	15899	15688	15341	15099	14838	14510	14349	14180	14027	13902	14093	14188	14326	14392	14278	14828	15771	16396	16776	17035	17357	17542	17712	17475	17359	17336	17646	17842	18119	18154	18156	18203	18306	18143	17536	17042	16842	17029	17916	18233	18215	18202	18010	17746	17539	17375	16894	
SRev ST-Coal		147	157	197	180	199	171	174	180	171	483	479	486	486	479	486	483	452	424	403	408	376	157	145	141	152	153	146	163	145	141	141	134	138	146	143	136	201	172	139	199	154	172	156	143	148	147	153	149	
SRev CCGT-Gas		645	872	1143	1496	1704	1971	2198	2421	2548	2673	2734	2611	2494	2288	2299	2524	2231	1407	1279	1158	934	849	408	355	480	704	684	803	751	453	423	358	252	344	380	424	645	840	874	379	293	198	199	390	499	478	426	667	
SRev Co-Gen		-1	0	1	-1	0	0	2	0	2	0	0	0	0	0	0	0	1	0	0	-3	0	0	0	0	2	0	-2	0	0	0	0	0	0	0	0	0	0	1	-1	0	0	0	-1	0	0	0	0	0	
Syncon		1104	954	954	953	1104	1104	1104	1104	1104	1003	1003	1003	852	1003	1003	852	1003	852	1003	1003	1003	1104	1104	1104	1104	766	1104	953	1104	953	1104	917	665	151	151	701	802	1104	1104	1003	577	577	426	577	852	852	1003	1104	
Hydro		251	191	190	316	182	182	186	187	187	121	121	121	253	122	120	251	120	249	118	118	270	238	184	197	200	455	181	311	188	367	230	262	271	401	633	518	475	278	294	123	391	415	521	399	291	352	286	282	
S.Reserve Total		2146	2174	2485	2944	3189	3428	3664	3892	4012	4280	4337	4221	4085	3892	3908	4110	3807	2932	2803	2684	2583	2348	1841	1797	1938	2078	2113	2230	2188	1914	1898	1671	1326	1042	1307	1779	2124	2393	2411	1704	1415	1362	1301	1509	1790	1829	1868	2204	