

Availability at Daily Maximum Demand Hour

ST-Coal	9,790 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,512 MW
Distillate	0 MW
Others	0 MW
Gas	9,802 MW
Co-Gen	0 MW
Total System	24,284 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	19,258 MW
Spinning Reserve	1,315 MW
Maximum Demand	17,953 MW
Net Energy	385,070 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	121
CBPS	42
EMPP	274
KLPP	1
NPRI	136
PCGP	82
SGRI	3
SPGP	198
Total Gas	885

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	229,631	59.63 %
LSS	7,974	2.07 %
Hydro	12,487	3.24 %
Gas	135,937	35.30 %
Co-Gen	-191	-0.05 %
Total Generation	385,838	100.20 %
PLTG	40	0.01 %
EGAT	5	0.00 %
HVDC	723	0.19 %
Interconnection	768	0.20 %
Net Energy	385,070	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,336
Hydro	281
Syncon	869
Thermal	173
Total	2,659

Total Gas Required 885

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	17401	16684	16081	15607	15120	14873	14677	14306	13738	14546	15147	15544	15481	15454	15937	16468	16762	16935	16465	16743	17909	17942	17486	17320

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 20, 2024 11:21:19 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																									
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	31	139	285	462	643	859	933	987	1028	1035	1099	1134	1107	1104	942	998	910	752	490	382	291	207	110	32	2	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	42	40	38	40	39	39	40	38	39	38	40	38	40	37	35	35	35	35	33	35	36	36	35	34	35	34	36	33	35	36	34	36	35	34	36	33	37	37	38	38	43	39	39	41	39	40	45		
PCUF	CUFK	13	13	12	12	12	11	11	13	12	13	13	13	12	13	12	13	12	13	9	9	7	9	8	4	5	5	6	6	5	6	5	6	7	12	15	18	20	30	23	9	8	7	8	8	8	7			
Total NEDA Co-Gen		55	53	50	52	51	50	51	51	51	51	53	51	53	49	48	47	48	46	47	49	45	44	41	44	42	40	38	40	38	41	42	39	42	40	40	43	45	52	55	58	68	66	48	47	48	47	48	52	
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		17464	17063	16727	16418	16147	15884	15682	15362	15173	15083	14917	14929	14806	14732	14412	13820	13779	14176	14569	14860	15222	15490	15587	15765	15608	15535	15607	15837	16097	16484	16621	16832	16891	17162	17027	16775	16607	16598	16798	17689	18010	17992	18034	17842	17607	17499	17440	17276	
ESTL	ESTL	0	-2	-2	-8	-18	-1	-3	0	0	-15	-6	-4	-3	0	0	0	-2	-17	-3	-4	0	-18	-17	-9	-16	-10	-14	-7	-10	-15	-13	-14	-12	-18	-22	-12	-10	-12	-2	-18	-2	-18	-18	-16	0	-15	-9		
KHTC	BLK1	-46	-46	-48	-43	-44	-43	-42	-43	-45	-40	-38	-38	-39	-36	-35	-36	-40	-42	-43	-49	-52	-47	-49	-50	-50	-52	-51	-55	-53	-56	-59	-58	-59	-57	-58	-58	-55	-52	-50	-48	-50	-46	-48	-46	-46	-46	-42		
Total Franchise Area		-46	-48	-50	-51	-62	-44	-45	-43	-45	-55	-44	-42	-41	-39	-36	-35	-36	-42	-59	-46	-53	-52	-65	-66	-59	-66	-62	-65	-62	-63	-71	-72	-72	-71	-75	-80	-70	-65	-64	-52	-66	-52	-64	-66	-62	-46	-61	-51	
Singapore		-11	-32	-36	-58	-23	3	3	-33	-19	9	-28	32	60	4	42	-17	-23	-48	-63	-66	-6	-13	-50	16	41	43	63	-56	70	65	55	34	29	85	-11	46	45	-3	-35	-12	7	-41	-1	38	32	-68	32	-24	
Thailand		31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	30	30	31	31	31	31	29	29	29	29	30	30	31	31	30	30	30	30	
Interconnection		20	-1	-4	-27	7	33	33	-2	11	39	3	62	91	34	73	13	8	-17	-33	-35	25	17	-19	46	71	73	94	-25	101	96	85	63	60	116	20	76	75	26	-6	18	38	-10	31	70	62	-38	62	6	
Total Demand		17401	17019	16684	16397	16081	15810	15607	15324	15120	14992	14873	14828	14677	14662	14306	13775	13738	14154	14546	14852	15147	15424	15544	15656	15481	15399	15454	15800	15937	16328	16468	16700	16762	16978	16935	16622	16465	16510	16743	17622	17909	17953	17942	17709	17486	17494	17320	17222	
SRev ST-Coal		170	142	150	157	159	163	160	158	154	264	253	272	266	419	423	421	412	417	411	389	149	138	131	159	148	134	129	127	138	199	140	140	128	149	165	143	158	166	160	147	153	147	150	175	175	162	168	186	
SRev CCGT-Gas		871	858	990	1016	769	805	1010	1333	1526	1415	1594	1562	1708	1576	1803	2330	2502	2286	2057	2069	2257	2025	1983	1909	2077	2247	2102	1946	1612	964	897	727	561	167	262	461	524	766	520	222	209	226	186	368	306	457	533	565	
SRev Co-Gen		0	0	0	0	0	-1	-1	0	0	0	0	-1	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	-1	1	0	0	0	0	-1	2	0	-1	0	0	1	0	-1	0	0	1	0	
Syncon		766	803	802	953	953	954	954	1079	1079	1079	928	991	1079	1079	1079	928	1079	978	978	978	828	978	978	828	827	1079	978	1079	928	1079	1079	928	1079	1079	705	705	892	1079	1079	929	802	428	428	277	802	802	890	890	
Hydro		285	107	226	137	170	174	174	173	173	164	164	163	299	163	182	170	170	293	160	132	209	194	197	199	204	334	193	197	154	195	302	119	133	345	261	259	208	129	208	203	508	513	505	695	488	457	347	151	
S.Reserve Total		2092	1910	2168	2263	2051	2094	2297	2618	2807	2922	3090	3075	3201	3238	3487	4000	4163	3925	3707	3669	3593	3336	3289	3245	3257	3542	3503	3248	2983	2436	2268	2065	1901	1366	1393	1754	1971	2140	1816	1374	1298	1315	1269	1514	1771	1878	1939	1879	