

Availability at Daily Maximum Demand Hour

ST-Coal	10,936 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,414 MW
Distillate	0 MW
Others	0 MW
Gas	8,257 MW
Co-Gen	0 MW
Total System	23,491 MW
Total System w/o solar	21,901 MW

Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,632 MW
Spinning Reserve	1,618 MW
Maximum Demand	17,019 MW
Net Energy	356,977 MWH
Load Factor	87 %
Operating Reserve	4,882 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	125
EMPP	261
NPRI	143
PCGP	84
SPGP	101
Total Gas	743

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 743

Generation Mix

Type	MWh	Percentage
ST-Coal	230,511	64.57 %
LSS	7,105	1.99 %
Hydro	7,192	2.01 %
Gas	113,384	31.76 %
Co-Gen	-731	-0.20 %
Total Generation	357,461	100.14 %
PLTG	484	0.14 %
Interconnection	484	0.14 %
Net Energy	356,977	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,045
Hydro	239
Syncon	1,041
Thermal	588
Total	2,913

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	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	16290	15649	15128	14562	14176	13878	13866	13669	12949	13040	13539	14062	14037	14107	14641	14901	15087	15262	15138	15732	16830	16911	16625	16266

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 11:01:51 AM

(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	CUFG	9	8	7	9	7	9	8	9	9	9	7	10	10	10	10	10	10	8	8	9	8	8	7	8	6	6	8	8	6	6	12	14	13	14	12	12	11	10	11	10	12	11	13	13	12			
PCUF	CUFK	5	5	2	3	2	3	4	2	3	4	3	4	1	2	5	3	4	3	4	3	3	3	4	2	3	5	2	3	2	3	3	5	5	5	2	3	4	3	2	3	4	2	7					
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total NEDA Co-Gen		30	21	23	18	33	35	32	27	24	15	15	16	27	24	36	32	27	30	15	21	17	34	30	17	24	28	27	20	24	36	28	27	25	29	27	26	34	29	21	17	25	15	17	21	29	27	31	25
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		16329	16035	15693	15416	15212	15036	14637	14443	14246	14086	13942	13915	13955	13944	13722	13166	12992	13070	13092	13354	13526	13881	14137	14128	14116	14312	14329	14715	14690	14869	14990	15174	15131	15428	15327	15339	15242	15333	15803	16698	16946	17063	17016	16974	16717	16528	16322	16044
KHTC	BLK1	-49	-47	-44	-46	-46	-47	-48	-48	-48	-46	-45	-43	-46	-47	-44	-45	-48	-48	-52	-48	-57	-58	-63	-65	-67	-69	-70	-69	-69	-75	-86	-73	-75	-72	-71	-65	-63	-62	-57	-55	-52	-51	-50	-50	-50	-49	-49	
Total Franchise Area		-49	-47	-44	-46	-46	-47	-48	-48	-48	-46	-45	-43	-46	-47	-44	-45	-48	-48	-52	-48	-57	-58	-63	-65	-67	-69	-70	-69	-69	-75	-86	-73	-75	-72	-71	-65	-63	-62	-57	-55	-52	-51	-50	-50	-50	-49	-49	
Singapore		-7	50	3	13	41	79	30	99	25	71	22	27	47	24	9	32	1	-9	7	-29	-58	-58	20	14	17	22	156	159	-17	-51	17	59	-26	-24	-4	26	42	23	12	6	64	-5	57	-1	45	-28	10	-44
Thailand		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
Interconnection		-7	50	3	13	41	79	30	99	25	71	22	27	47	24	9	32	1	-9	7	-29	-58	-58	20	14	17	22	156	159	-17	-51	17	59	-26	-24	-4	26	42	23	12	6	64	-5	57	-1	45	-28	10	-44
Total Demand		16290	15941	15649	15360	15128	14913	14562	14299	14176	13972	13878	13848	13866	13877	13669	13093	12949	13034	13040	13334	13539	13885	14062	14054	14037	14226	14107	14489	14641	14854	14901	15032	15087	15380	15262	15245	15138	15250	15732	16638	16830	17019	16911	16928	16625	16509	16266	16042
SRev ST-Coal		196	199	216	318	532	531	561	676	682	729	709	712	718	709	853	839	937	876	895	898	888	896	865	868	862	856	851	798	790	692	573	543	565	554	554	543	543	532	413	262	216	227	232	232	238	268	286	399
SRev CCGT-Gas		1153	1361	1300	1261	941	830	956	1026	1219	1240	1423	1419	1422	1426	1440	1932	2164	2149	2104	1923	1925	1727	1662	1758	1726	1721	1601	1301	1332	1195	1333	1082	899	564	611	638	837	875	584	239	269	212	236	173	235	270	364	507
SRev Co-Gen		0	0	0	0	0	0	0	-1	0	0	-3	0	0	0	0	0	-2	0	0	0	4	0	-1	0	0	-2	0	0	-1	0	2	0	0	0	1	-2	0	0	0	-3	-1	2	-1	-1	0	0	-1	
Syncon		1112	961	1062	1213	1314	1314	1314	1314	1314	1314	1314	1164	1163	1164	1314	1314	1162	1163	1162	1163	1163	1163	1163	1163	1163	1012	1162	1163	1162	1162	1163	1163	1163	1184	1184	1313	1314	1314	1112	925	774	774	961	1061	1213	1213	1213	
Hydro		360	435	379	252	217	219	169	168	170	170	146	166	142	299	169	165	168	169	167	159	150	93	157	73	153	240	149	131	56	137	146	132	131	116	118	150	149	150	125	283	335	403	408	329	370	224	232	220
S.Reserve Total		2821	2956	2957	3044	3004	2894	3000	3183	3385	3453	3589	3611	3446	3597	3626	4250	4581	4356	4329	4142	4130	3879	3846	3862	3904	3827	3763	3393	3339	3186	3217	2920	2758	2397	2468	2513	2842	2871	2436	1893	1744	1618	1649	1694	1904	1975	2095	2338