

Availability at Daily Maximum Demand Hour

ST-Coal	8,501 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,606 MW
Co-Gen	0 MW
Total System	22,474 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	18,498 MW
Spinning Reserve	1,183 MW
Maximum Demand	17,315 MW
Net Energy	373,666 MWH
Load Factor	90 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	161
CBPS	43
EMPP	253
KLPP	40
PCGP	81
PLPS	37
SKSP	44
SPGP	189
Total Gas	876

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	206,211	55.19 %
LSS	6,445	1.72 %
Hydro	31,308	8.38 %
Gas	130,215	34.85 %
Co-Gen	-66	-0.02 %
Total Generation	374,113	100.12 %
PLTG	-290	-0.08 %
EGAT	5	0.00 %
HVDC	732	0.20 %
Interconnection	447	0.12 %
Net Energy	373,666	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,090
Hydro	298
Syncon	426
Thermal	139
Total	1,953

Total Gas Required 876

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	15777	14881	14348	13875	13538	13363	13551	13696	14027	15310	15893	16388	16145	15806	16119	16792	17168	16993	16279	16314	17315	17109	16626	16221

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

Table with columns: Station, Unit, and 24 hourly time slots (0000 to 2300). Rows include various power plants and their units, such as JMAH, JMHE, JMJG, PKLG, TGIN, etc., with numerical data for each hour.

Daily MW Generation on Friday

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	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
PCUF	CUFG	20	20	21	20	21	19	20	19	21	21	21	20	20	19	19	20	21	19	9	4	5	4	4	3	3	3	3	5	2	4	3	5	4	3	4	4	3	4	4	3	3	4	4	4	6	3			
PCUF	CUFK	31	31	31	28	29	29	30	30	32	31	31	30	30	30	32	29	30	30	5	4	4	3	5	3	4	2	4	5	1	4	4	2	4	4	4	4	4	3	28	28	30	29	29	30	30	30			
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
Total NEDA Co-Gen		57	57	58	54	56	54	56	55	59	61	58	57	56	55	58	54	55	56	57	53	22	14	15	13	15	12	13	11	13	16	10	14	13	13	14	13	14	14	13	13	38	37	39	39	39	40	42	39	
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		
Total Generation		15843	15361	14920	14657	14410	14153	13947	13778	13579	13416	13402	13466	13589	13705	13740	13750	14078	14862	15349	15740	15921	16216	16460	16476	16239	16063	15889	15995	16187	16488	16828	17108	17240	17271	17029	16715	16334	16146	16343	17153	17352	17247	17143	16916	16689	16398	16250	15965	
ESTL	ESTL	0	0	0	0	0	-8	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-6	0	0	0	-2	0	0	-1	0	0	0	-4	0	-6	-2	-2	0	0	0	-2		
KHTC	BLK1	-35	-32	-32	-28	-28	-27	-24	-26	-26	-23	-22	-21	-22	-23	-26	-25	-27	-31	-33	-35	-36	-39	-41	-43	-45	-47	-50	-51	-52	-54	-53	-57	-58	-57	-52	-50	-47	-49	-42	-43	-40	-37	-36	-39	-38	-41	-35	-34	
Total Franchise Area		-35	-32	-32	-28	-28	-35	-24	-26	-26	-23	-24	-21	-22	-23	-26	-25	-27	-31	-33	-35	-36	-39	-41	-43	-45	-47	-50	-51	-58	-54	-53	-57	-60	-57	-52	-51	-47	-49	-42	-47	-40	-43	-38	-41	-38	-41	-35	-36	
Singapore		4	4	-22	6	7	27	21	4	-13	14	-11	-7	-12	14	-8	12	-3	9	-20	-22	-35	-37	3	26	21	27	5	22	-19	-37	-45	-31	-15	-43	-44	-30	-17	-29	-40	-49	-29	-38	-33	-14	-3	-43	-34	-22	
Thailand		30	32	32	30	30	30	30	31	32	29	31	31	31	31	29	29	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	32	29	32	31	32	29	29	32	30	31	31	31
Interconnection		34	36	10	35	37	57	51	34	18	46	18	25	19	45	21	41	28	40	10	9	-5	-7	34	56	52	58	36	54	13	-6	-14	0	16	-12	-12	1	12	2	-10	-17	0	-9	-1	16	28	-12	-3	9	
Total Demand		15777	15296	14881	14597	14348	14064	13875	13721	13538	13350	13363	13423	13551	13640	13696	13687	14027	14795	15310	15700	15893	16187	16388	16381	16145	15961	15806	15893	16119	16443	16792	17055	17168	17230	16993	16667	16279	16098	16314	17126	17315	17216	17109	16862	16626	16372	16221	15923	
SRev ST-Coal		121	118	126	140	140	177	272	277	403	395	405	410	419	394	334	284	281	137	146	113	131	134	164	155	114	126	119	117	111	141	261	119	112	110	121	145	128	119	128	117	130	147	150	126	159	306	111	95	
SRev CCGT-Gas		1072	1409	1855	2105	2236	2441	2549	2710	2772	2836	2858	2790	2690	2601	2835	2961	2692	2116	1835	1651	1609	1605	1316	1425	1786	1975	2152	2050	1857	1564	995	602	489	360	460	607	799	1090	896	338	353	448	590	895	875	1022	1229	1406	
SRev Co-Gen		0	-1	1	0	2	1	0	1	0	0	2	1	1	0	0	0	0	0	0	0	-1	-1	0	4	0	-2	0	1	3	0	1	0	0	0	-2	1	0	0	3	0	0	0	-1	-1	0	0	2	0	0
Syncon		464	464	464	464	953	953	953	953	802	953	953	953	953	953	953	802	802	953	802	802	802	802	615	615	464	464	464	464	464	313	464	464	464	464	277	464	464	464	464	464	277	126	126	126	126	126	126	126	
Hydro		228	376	364	383	32	25	30	32	156	25	25	23	24	25	26	174	159	26	95	96	94	186	185	192	195	196	255	250	213	321	213	251	209	332	380	372	419	463	539	471	574	566	522	528	517	418	219	240	
S.Reserve Total		1885	2366	2810	3092	3363	3597	3804	3973	4133	4209	4243	4177	4087	3973	4148	4221	3934	3232	2878	2661	2635	2540	2284	2236	2557	2761	2991	2884	2645	2340	1933	1436	1274	1077	1426	1588	1810	2139	2027	1203	1183	1286	1387	1675	1677	1881	1699	1881	