

Availability at Daily Maximum Demand Hour

ST-Coal	10,521 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,440 MW
Hydro	2,007 MW
Distillate	0 MW
Others	0 MW
Gas	8,646 MW
Co-Gen	0 MW
Total System	23,204 MW

Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	20,599 MW
Spinning Reserve	965 MW
Maximum Demand	19,612 MW
Net Energy	412,422 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	178
CBPS	47
EMPP	285
KLPP	65
NPRI	74
PCGP	85
SGRI	79
SKSP	29
SPGP	103
Total Gas	973

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	246,788	59.84 %
LSS	10,362	2.51 %
Hydro	9,965	2.42 %
Gas	144,850	35.12 %
Co-Gen	-409	-0.10 %
Total Generation	411,556	99.79 %
PLTG	-168	-0.04 %
EGAT	5	0.00 %
HVDC	-703	-0.17 %
Interconnection	-866	-0.21 %
Net Energy	412,422	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	723
Hydro	269
Syncon	608
Thermal	214
Total	1,814

Total Gas Required 973

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	17165	16306	15730	15223	14753	14483	14769	14640	14922	16439	17269	17767	17652	17689	18431	19042	19442	19296	18167	18071	18967	18957	18464	18083

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 2:39:17 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	79	242	457	623	855	913	1108	1238	1364	1412	1412	1438	1362	1368	1305	1192	1200	940	772	603	467	257	112	22	1	0	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	14	15	16	12	10	18	21	21	16	12	13	8	12	18	21	23	22	18	19	14	10	18	17	14	14	16	16	12	12	2	9	11	7	4	0	10	0	12	19	16	18	0	0	13	9	8	12	14		
PCUF	CUFG	23	26	25	24	26	27	27	26	26	27	26	27	27	27	27	27	27	23	25	24	24	24	24	24	24	24	24	22	23	23	24	24	25	24	24	24	26	27	25	26	25	25	26	25	25	24				
PCUF	CUFK	2	4	3	4	3	4	3	1	1	4	3	3	2	4	3	4	5	2	2	5	4	3	3	3	3	1	3	2	4	4	25	16	3	2	3	4	2	3	4	2	3	5	4	2	3	4	4	2		
Total NEDA Co-Gen		39	45	44	40	39	49	51	48	43	43	42	38	41	49	51	54	54	47	44	44	39	45	44	41	41	41	43	38	40	28	57	50	34	30	28	38	26	39	49	45	46	31	29	40	38	37	41	40		
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	0
Total Generation		17231	16614	16392	15994	15728	15441	15256	14974	14779	14653	14524	14602	14744	14959	14639	14502	14878	15783	16393	16935	17274	17558	17715	17788	17682	17669	17734	18196	18447	18962	19092	19247	19500	19691	19408	18805	18312	18001	18133	18920	18983	19080	18958	18761	18458	18360	18064	17734		
KHTC	BLK1	-59	-59	-56	-53	-52	-50	-51	-48	-50	-49	-48	-49	-46	-47	-47	-46	-51	-56	-58	-62	-62	-66	-70	-73	-72	-73	-77	-77	-77	-84	-83	-82	-67	-60	-63	-60	-58	-56	-52	-52	-52	-54	-51	-53	-54	-52	-52	-51		
Total Franchise Area		-59	-59	-56	-53	-52	-50	-51	-48	-50	-49	-48	-49	-46	-47	-47	-46	-51	-56	-58	-62	-62	-66	-70	-73	-72	-73	-77	-77	-77	-84	-83	-82	-67	-60	-63	-60	-58	-56	-52	-52	-52	-54	-51	-53	-54	-52	-52	-51		
Singapore		39	1	61	14	-23	22	14	45	9	-18	24	-26	-38	-25	-17	-58	-61	-101	-73	-66	-24	-34	-88	-117	-9	-27	1	45	-28	-44	-1	9	24	50	82	83	121	52	41	35	-5	-28	-18	-41	-29	-53	-40	-18		
Thailand		-29	-29	-29	-28	-28	-30	-30	-29	-30	-28	-28	-31	-31	-28	-28	-31	-28	-31	-31	-30	-28	-31	-31	-30	-29	-30	-28	-30	-28	-30	-28	-30	-28	-30	-28	-31	-30	-28	-27	-28	-30	-30	-30	-28	-28	-28	-28			
Interconnection		10	-28	33	-14	-51	-8	-15	16	-21	-47	-4	-54	-68	-56	-45	-86	-92	-129	-101	-96	-54	-62	-119	-148	-39	-56	-29	17	-58	-74	-30	-21	-6	22	52	55	90	22	13	8	-33	-58	-47	-71	-57	-81	-68	-46		
Total Demand		17165	16586	16306	15958	15730	15402	15223	14913	14753	14654	14483	14610	14769	14971	14640	14545	14922	15859	16439	16972	17269	17557	17767	17866	17652	17655	17689	18105	18431	18955	19042	19189	19442	19612	19296	18693	18167	17926	18071	18863	18967	19087	18957	18782	18464	18392	18083	17732		
SRev ST-Coal		211	267	192	188	198	179	286	293	321	307	271	384	369	428	421	519	477	236	229	180	316	279	184	270	198	222	163	158	152	170	204	197	230	238	243	149	178	164	206	246	196	193	199	199	202	189	193	198		
SRev CCGT-Gas		749	1005	901	1131	1039	1329	1412	1736	1965	2088	2280	2207	2354	2087	2414	2409	2260	1887	1490	1290	959	1022	1088	1174	1298	1748	1665	1125	911	422	460	423	230	224	276	216	431	794	747	306	497	435	492	483	563	435	672	857		
SRev Co-Gen		0	1	2	-1	-1	0	1	-1	0	0	0	2	0	0	0	0	0	0	-1	-1	-1	-2	0	-1	-1	1	0	0	0	0	1	0	0	1	1	0	0	-1	2	0	0	0	-1	0	-1	0	0			
Syncon		892	892	892	892	741	892	892	892	741	892	892	892	892	892	742	741	892	892	892	892	892	892	892	741	892	892	892	892	892	791	604	453	365	126	126	516	892	892	892	604	453	453	453	453	453	453	302			
Hydro		177	172	167	168	296	171	168	166	300	166	178	166	165	166	168	180	168	167	297	165	165	165	166	295	166	158	165	167	144	126	209	322	291	377	432	334	239	232	231	258	355	348	365	363	362	225	284	421		
S.Reserve Total		2029	2337	2154	2378	2273	2571	2759	3086	3327	3453	3621	3651	3780	3573	3895	4000	3797	3032	2756	2526	2331	2356	2330	2479	2553	3021	2885	2342	2099	1509	1477	1396	1116	965	1078	1216	1740	2082	2075	1416	1501	1429	1509	1497	1580	1301	1602	1778		