A large, wispy, yellow smoke or steam plume originates from the bottom left and curves upwards and to the right across the page, partially obscuring the title text.

USA SD Rapid City Rgnl AP

Energy Load Profiles

Example Report

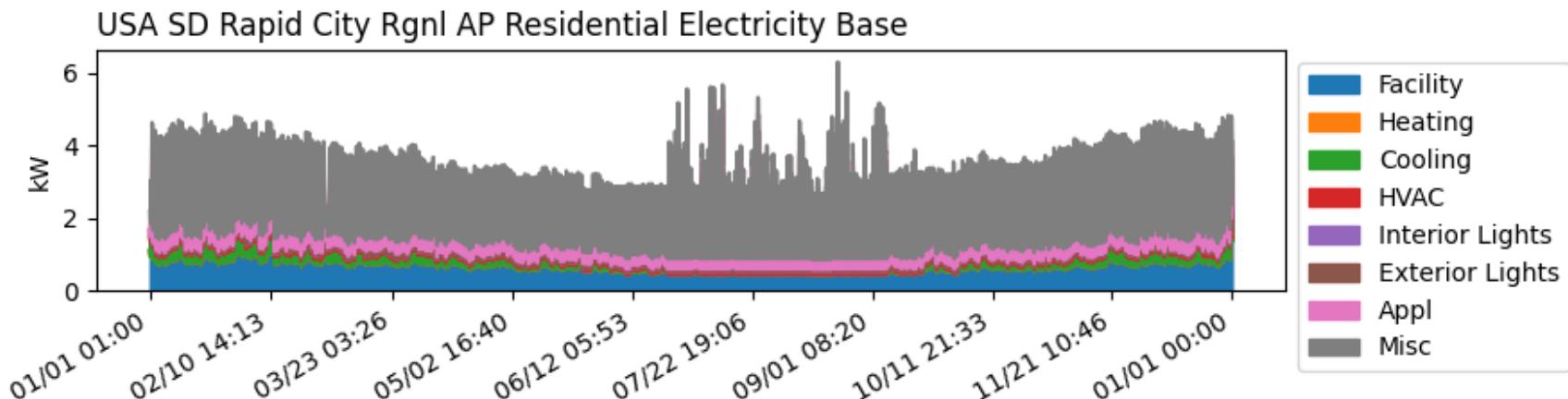
Visit crosscompute.com for Training + Support on how to automate your own reports. Source code for this report and other examples is available here: <https://github.com/crosscompute/crosscompute-examples>

Residential Load Profiles

Here are residential energy load profiles for **USA SD Rapid City Rgnl AP** based on simulated data from [Building America House Simulation Protocols](#). Raw data is available [here](#).

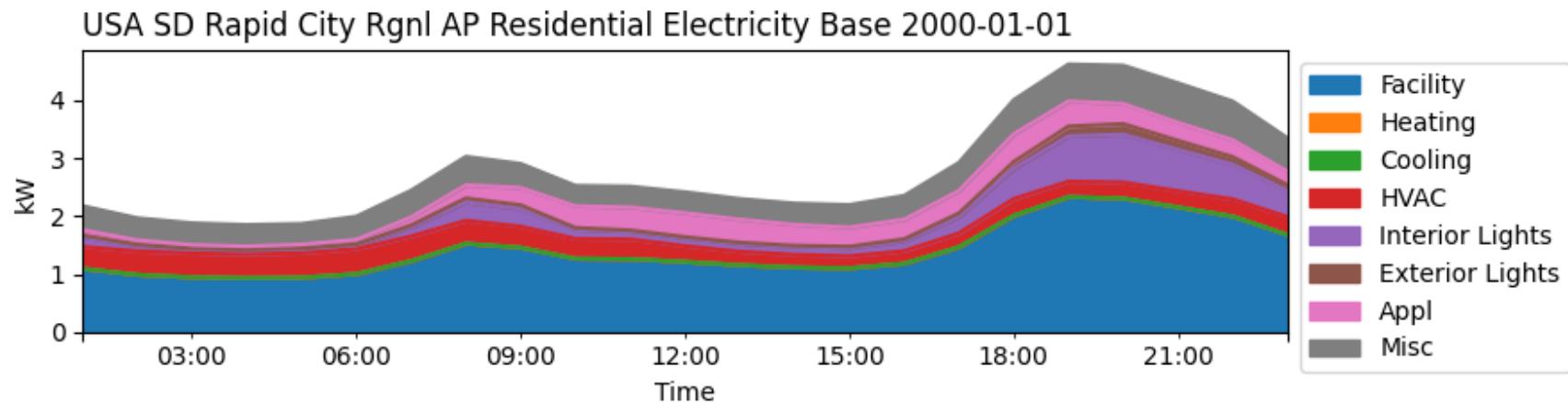
Residential Electricity

Residential Electricity Base

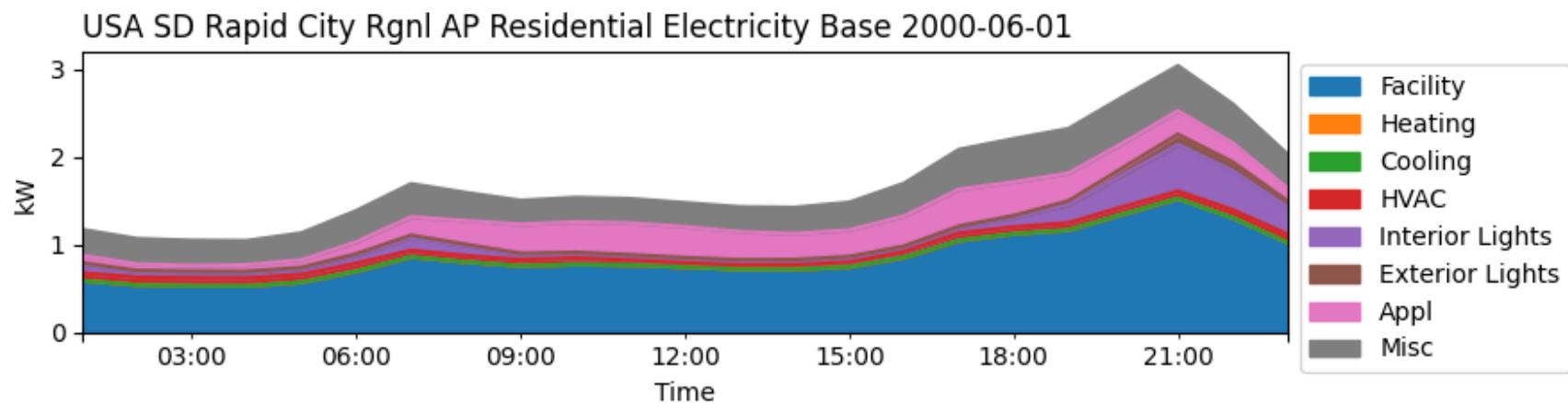


	Facility	Heating	Cooling	HVAC	Interior Lights	Exterior Lights	Appl	Misc
mean	1.05	0	0.02	0.14	0.21	0.04	0.24	0.4
min	0.43	0	0	0	0.05	0.01	0.05	0.27
max	2.56	0	1.2	1.53	0.84	0.18	0.48	0.68

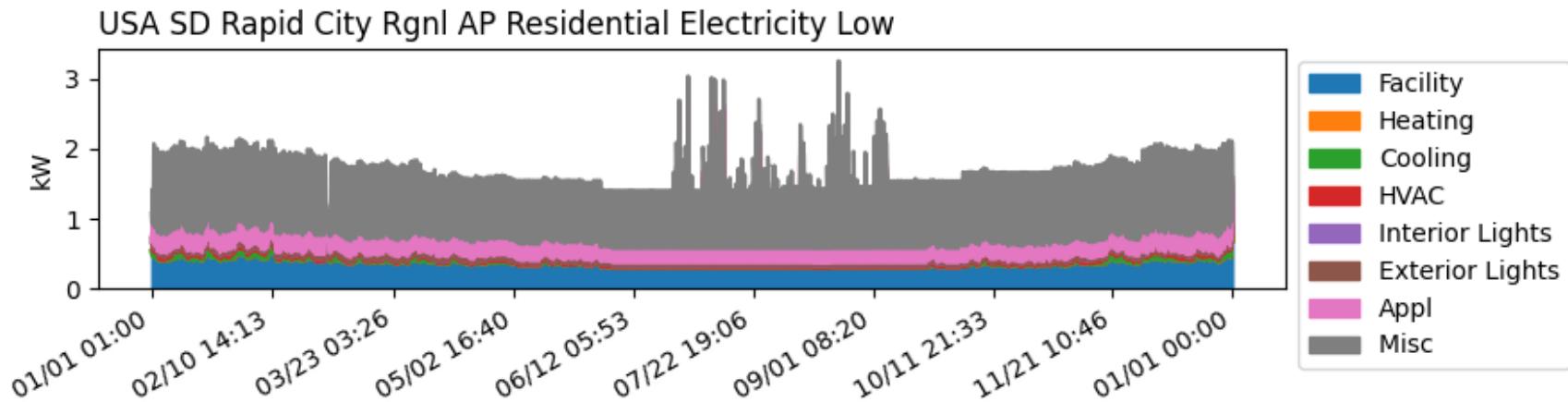
Residential Electricity Base Winter



Residential Electricity Base Summer

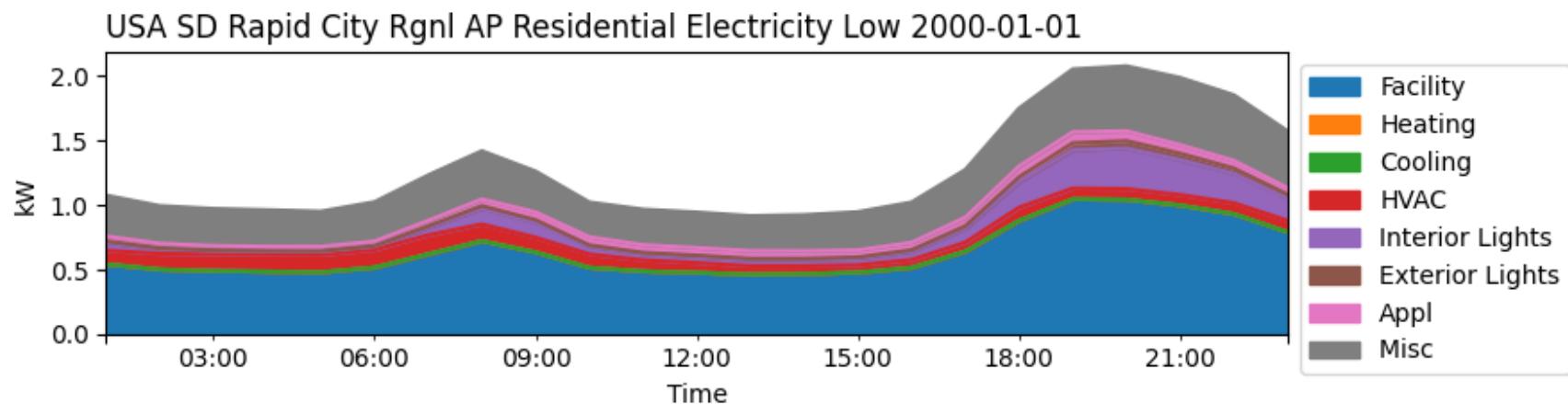


Residential Electricity Low

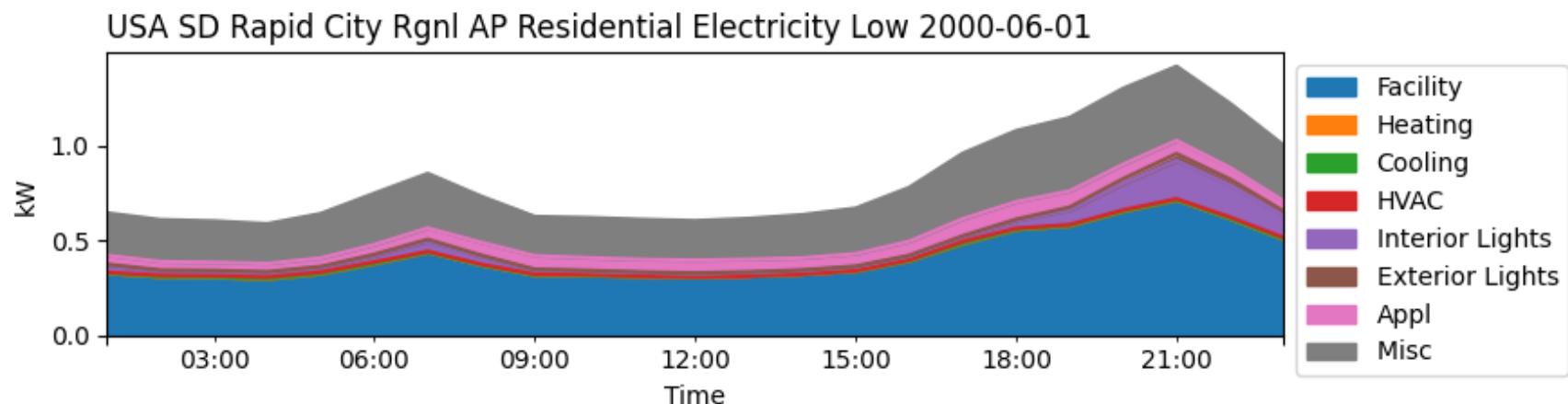


	Facility	Heating	Cooling	HVAC	Interior Lights	Exterior Lights	Appl	Misc
mean	0.51	0	0.01	0.04	0.08	0.01	0.06	0.3
min	0.29	0	0	0	0.02	0	0.03	0.21
max	1.29	0	0.68	0.81	0.32	0.06	0.1	0.52

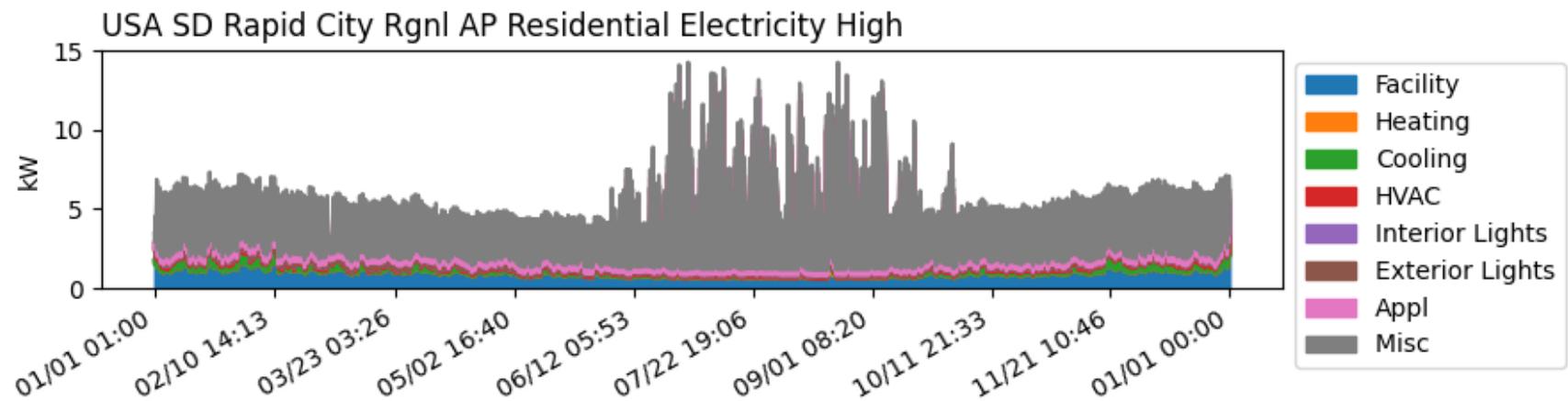
Residential Electricity Low Winter



Residential Electricity Low Summer

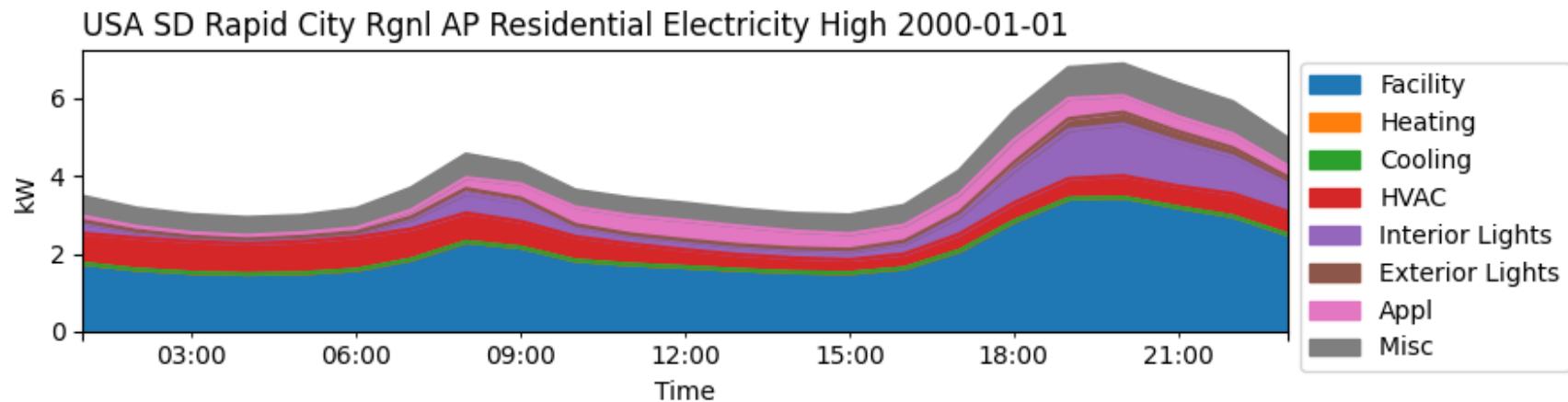


Residential Electricity High

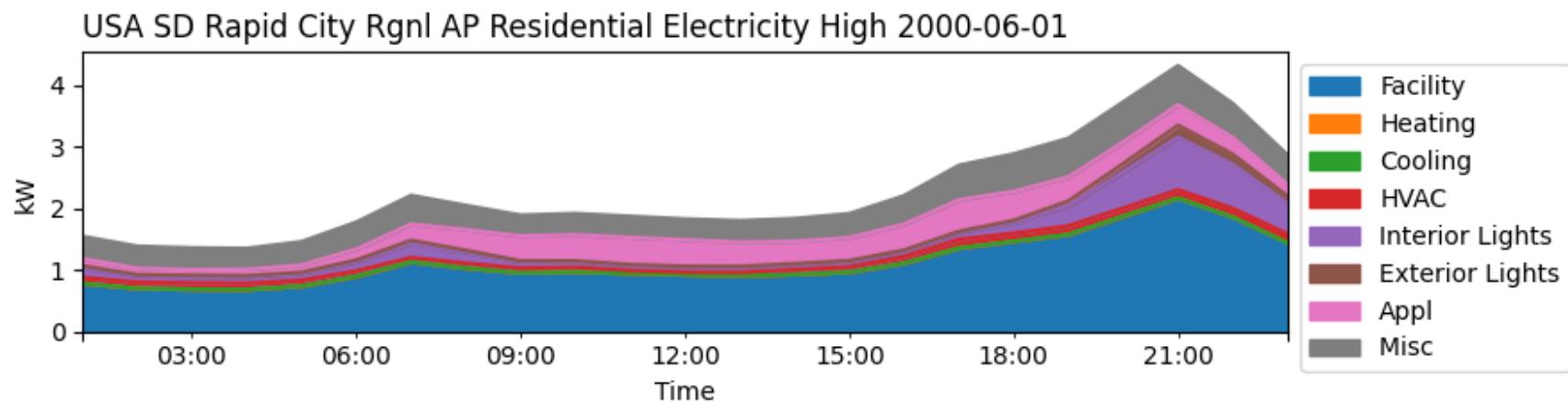


	Facility	Heating	Cooling	HVAC	Interior Lights	Exterior Lights	Appl	Misc
mean	1.65	0	0.19	0.42	0.33	0.08	0.3	0.49
min	0.58	0	0	0	0.08	0.02	0.07	0.33
max	5.42	0	3.62	4.29	1.34	0.31	0.58	0.85

Residential Electricity High Winter

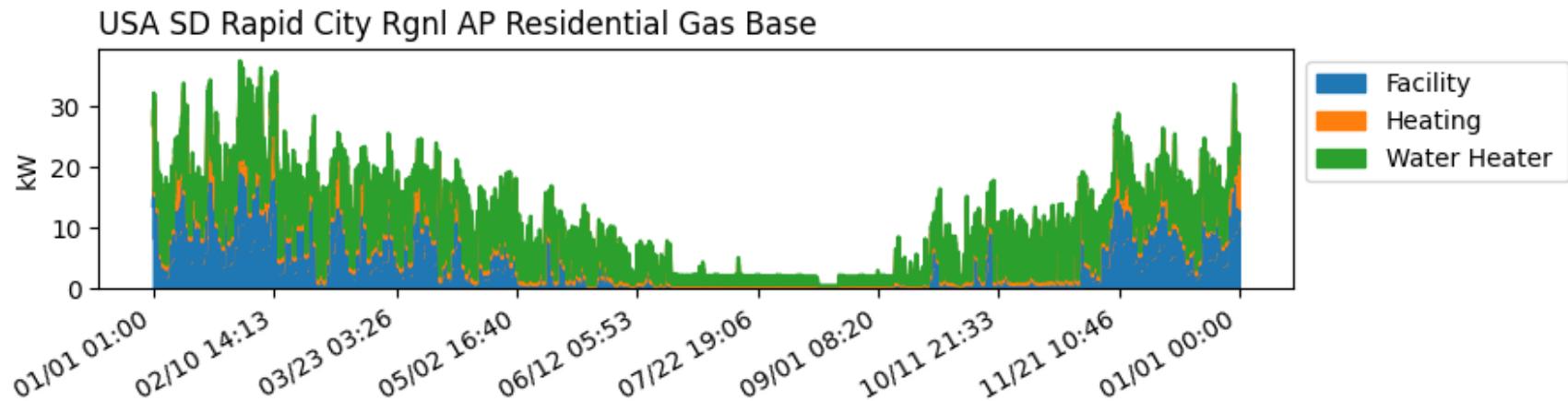


Residential Electricity High Summer



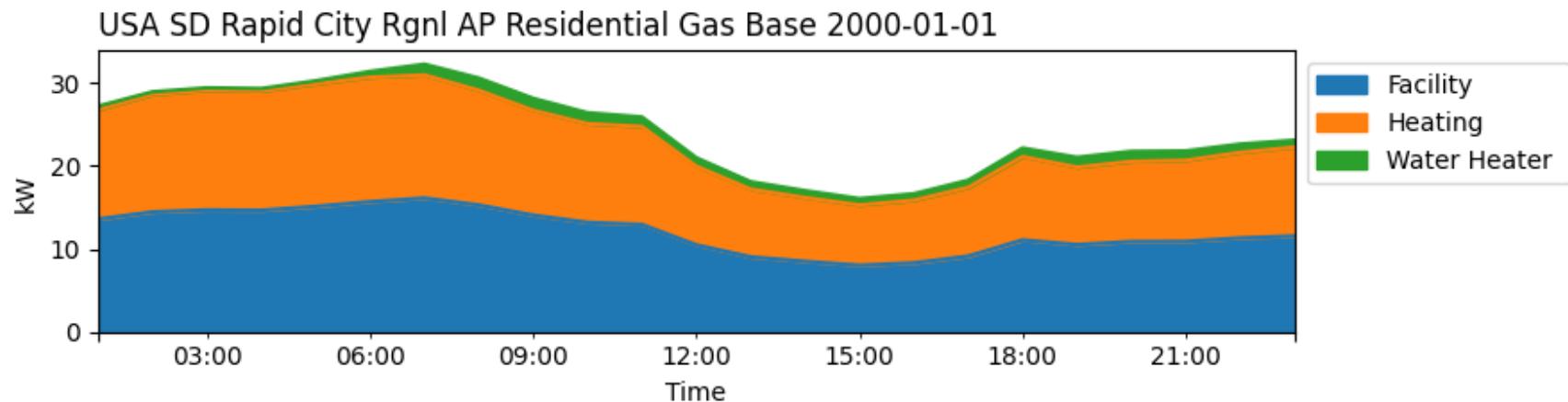
Residential Gas

Residential Gas Base

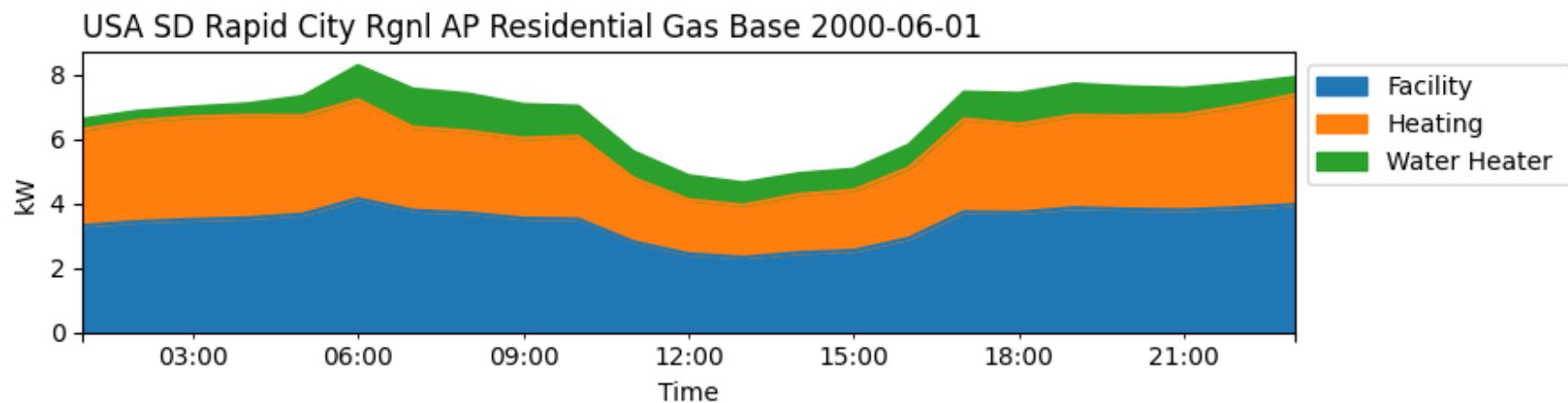


	Facility	Heating	Water Heater
mean		4.7	3.93
min		0.23	0
max	18.79	17.47	1.54

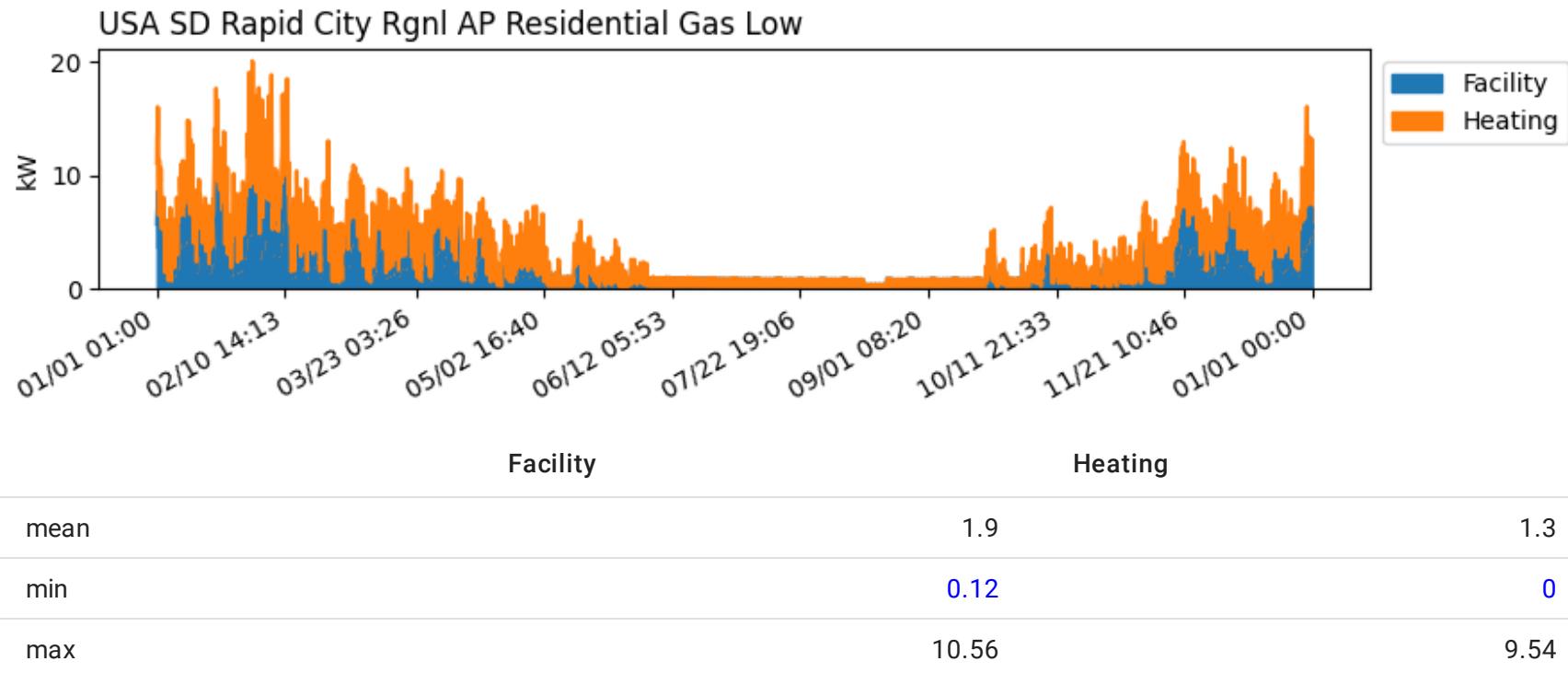
Residential Gas Base Winter



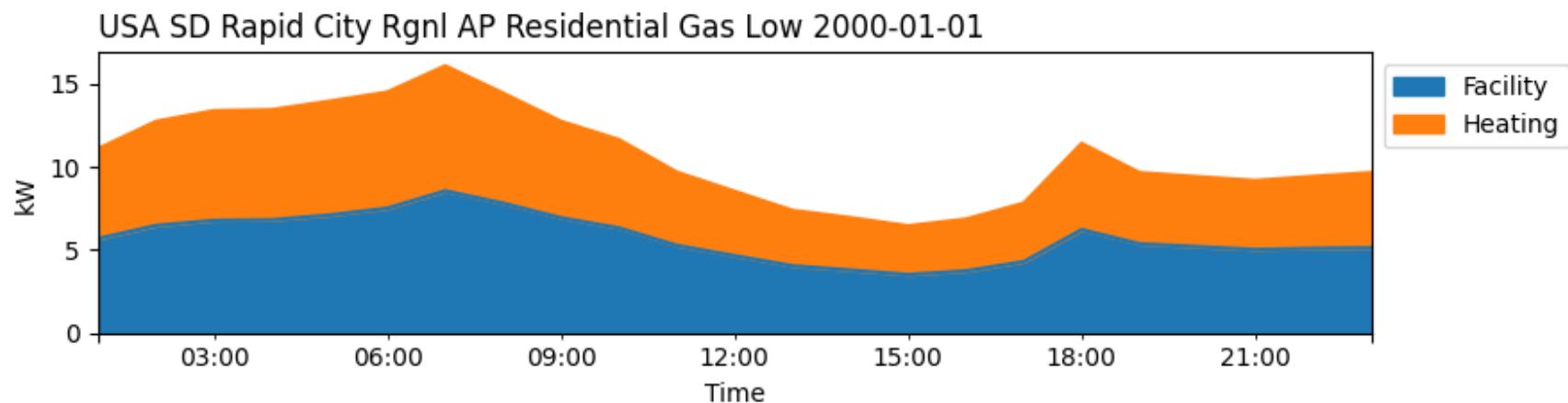
Residential Gas Base Summer



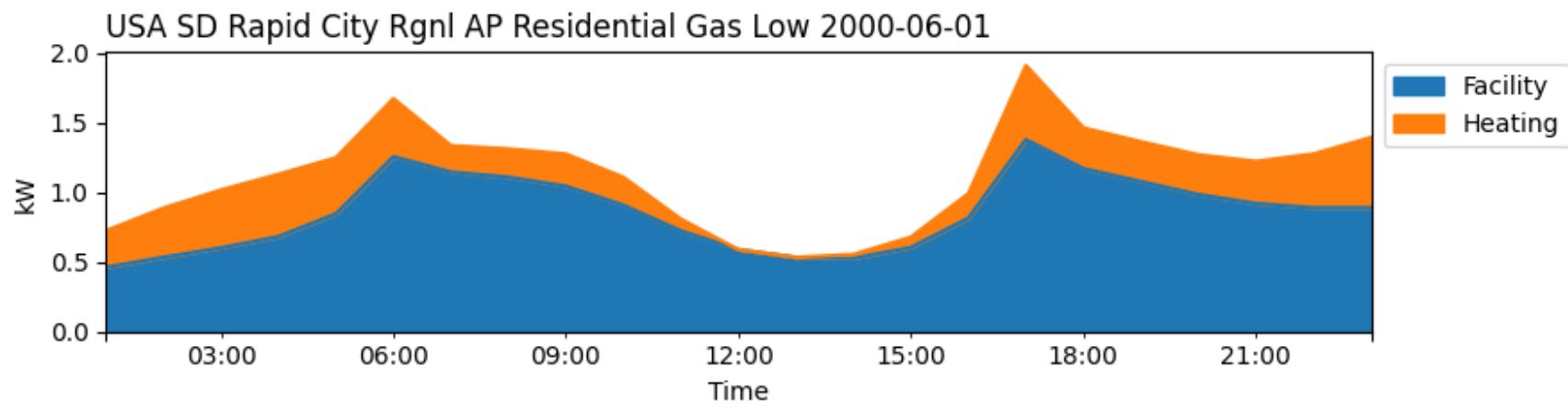
Residential Gas Low



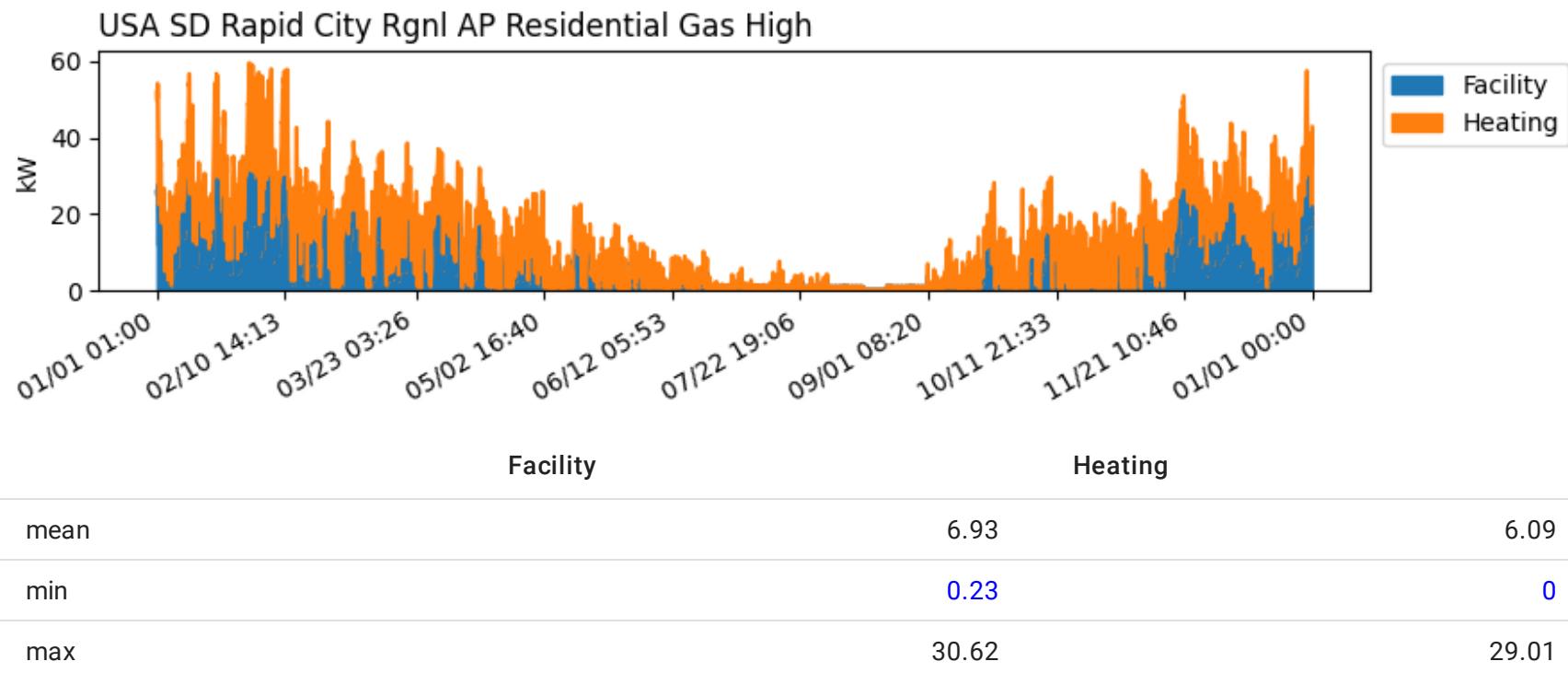
Residential Gas Low Winter



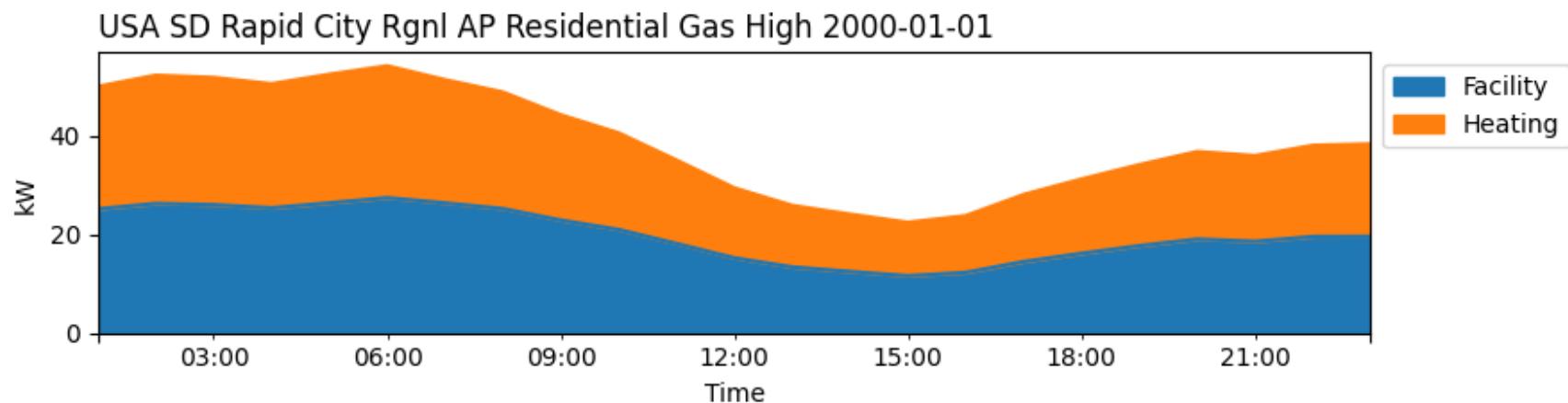
Residential Gas Low Summer



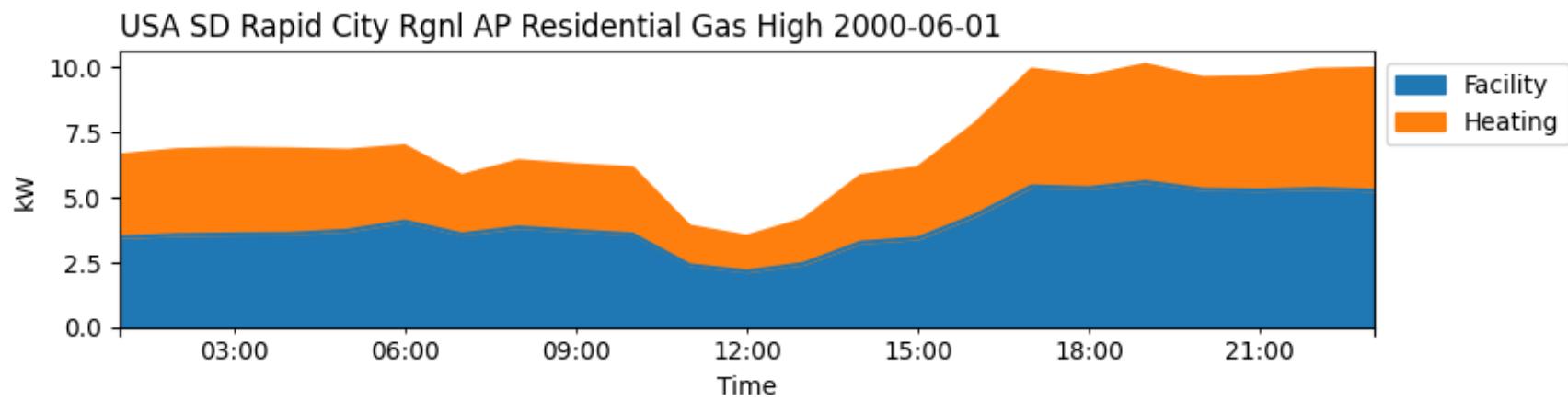
Residential Gas High



Residential Gas High Winter



Residential Gas High Summer

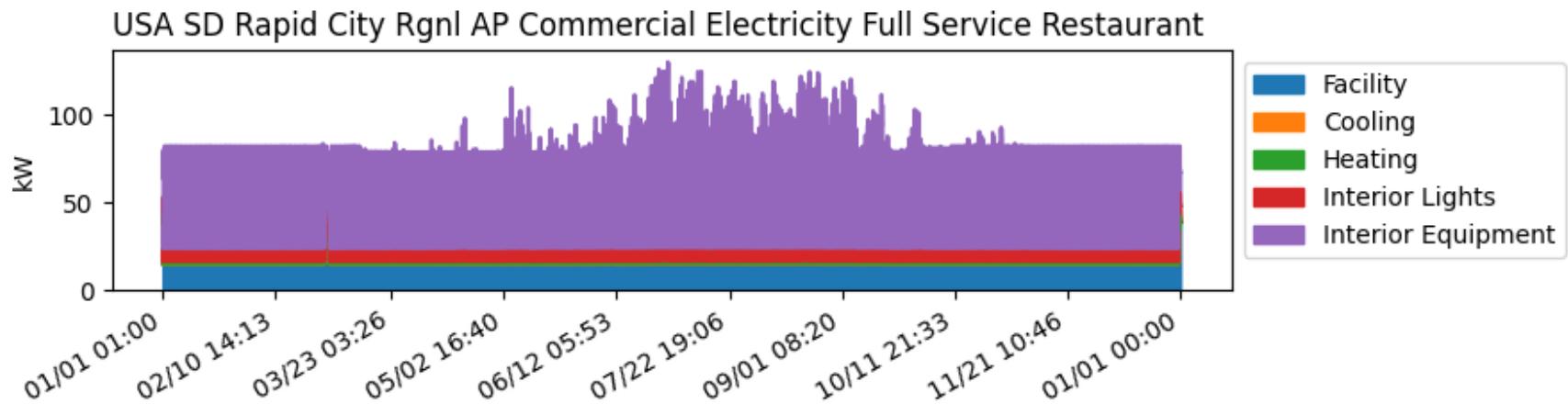


Commercial Energy Load Profiles

Here are commercial energy load profiles for **USA SD Rapid City Rgnl AP** based on simulated data from [USA Department of Energy Commercial Reference Building Models](#). Raw data is available [here](#).

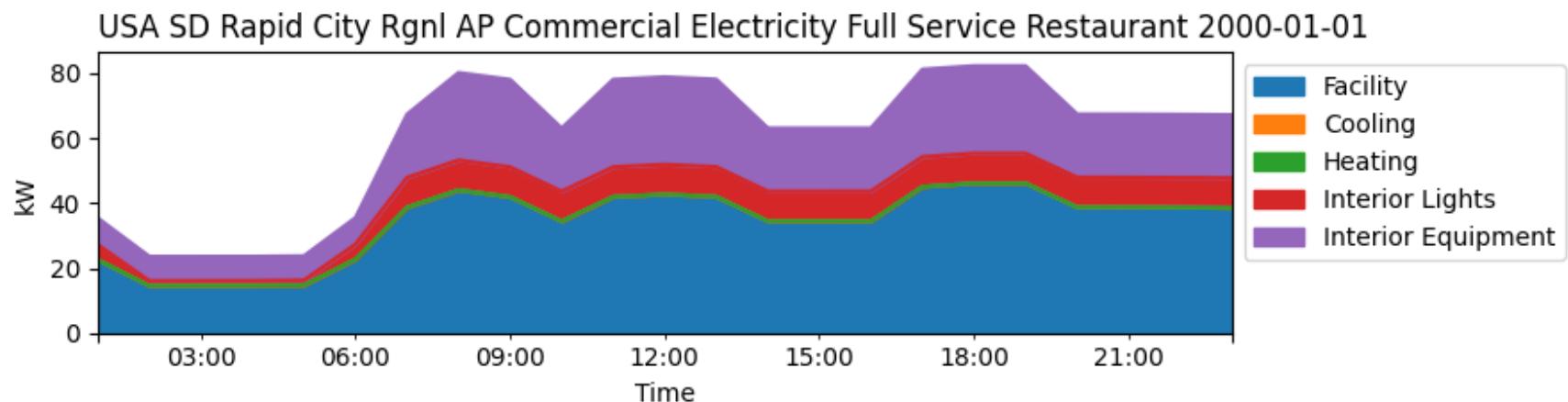
Commercial Electricity

Commercial Electricity Full Service Restaurant

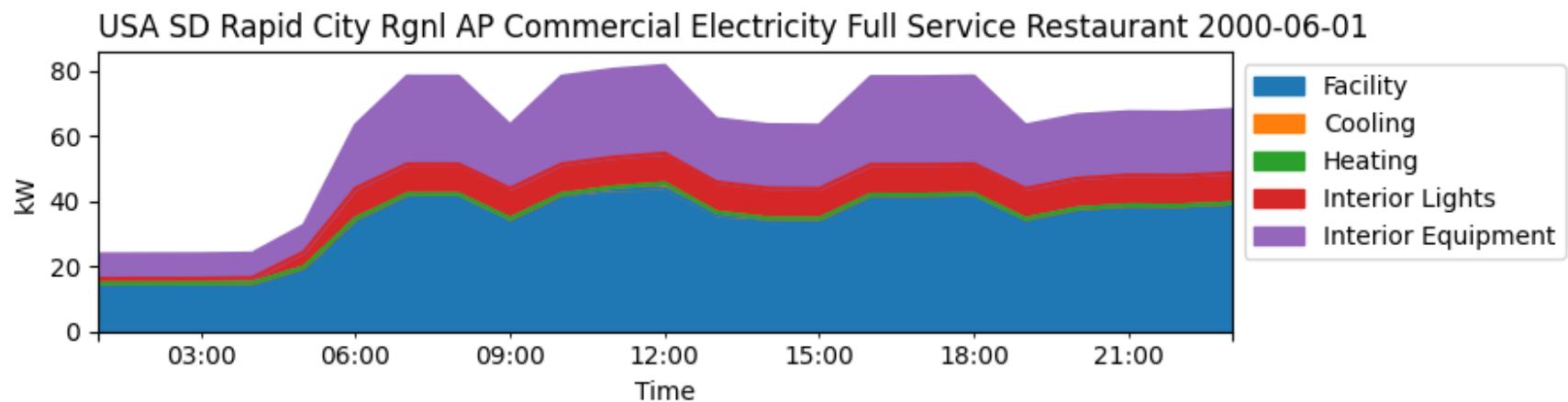


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	35.69	1.67	0	7.52	19
min	14.6	0	0	1.53	7.49
max	68.32	25.83	0	9.18	26.91

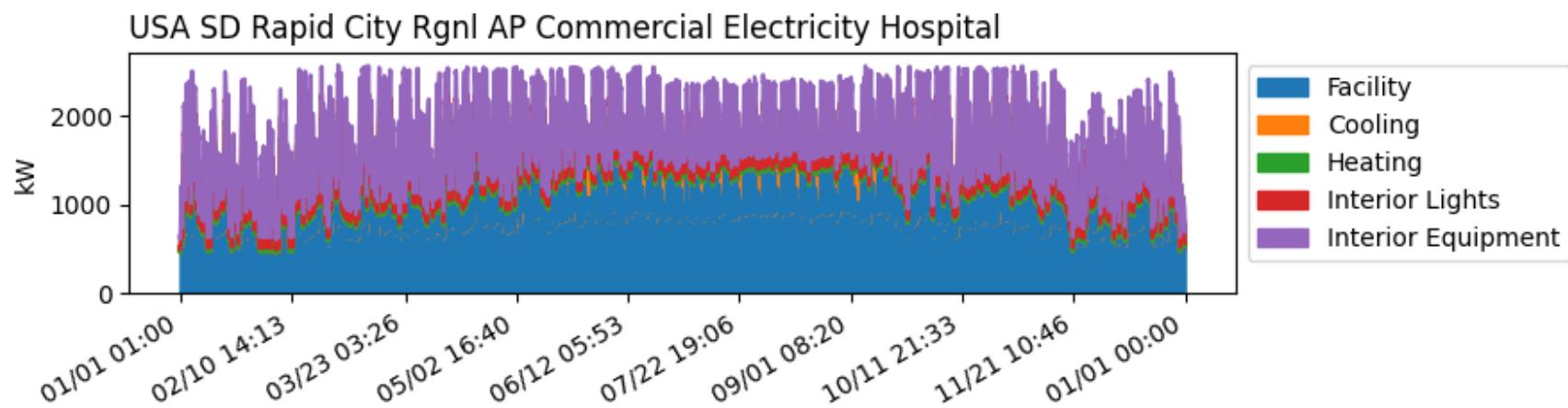
Commercial Electricity Full Service Restaurant Winter



Commercial Electricity Full Service Restaurant Summer

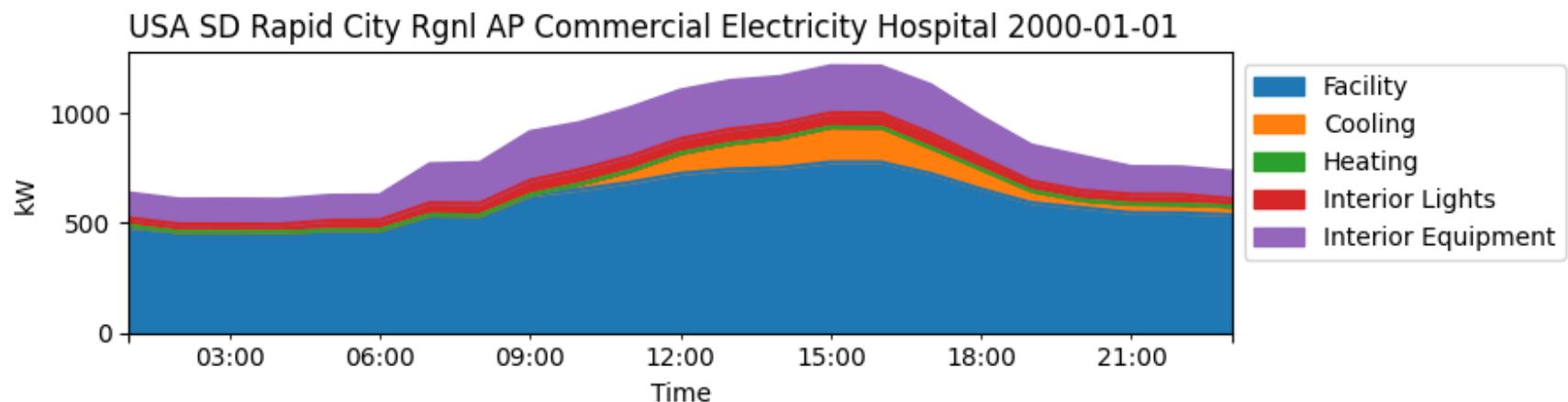


Commercial Electricity Hospital

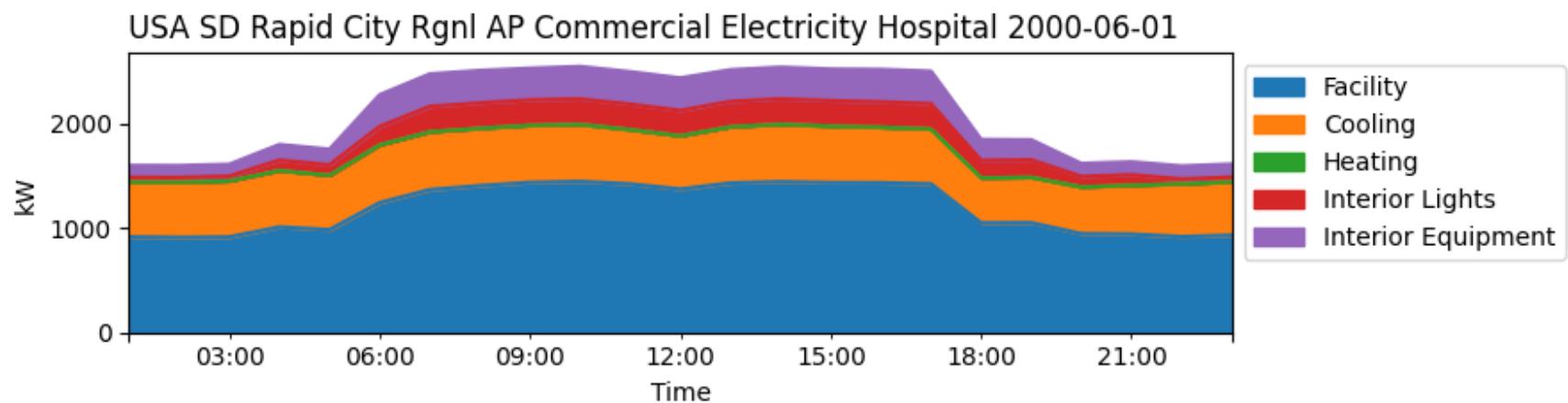


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	1017.88	366.22	0	132.06	207.44
min	449.46	0	0	34.96	113.31
max	1513.25	560.19	0	243.26	310.11

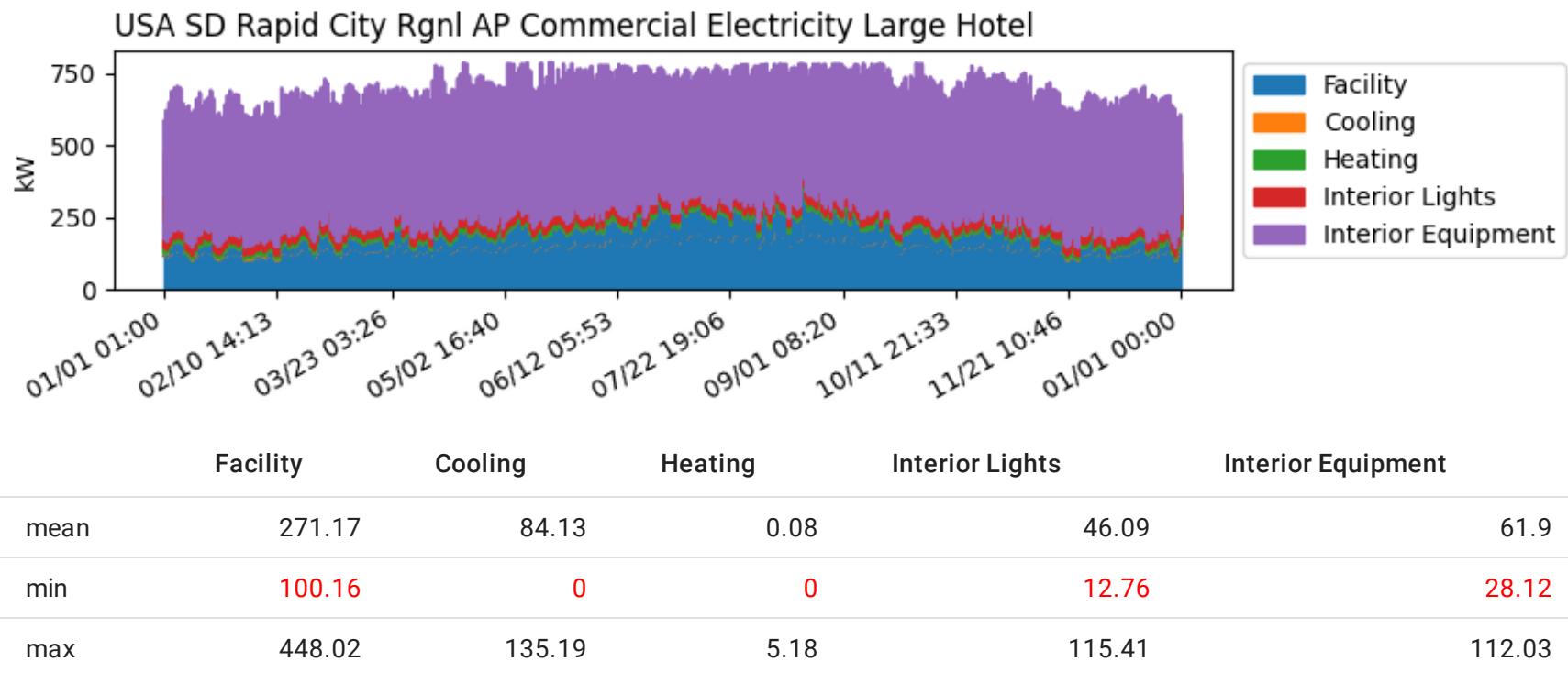
Commercial Electricity Hospital Winter



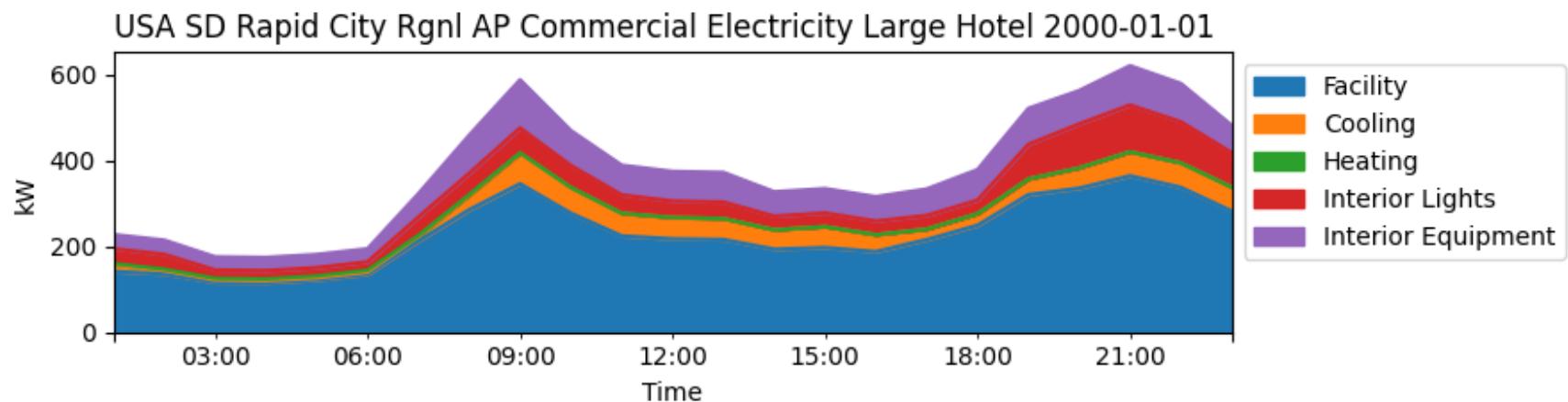
Commercial Electricity Hospital Summer



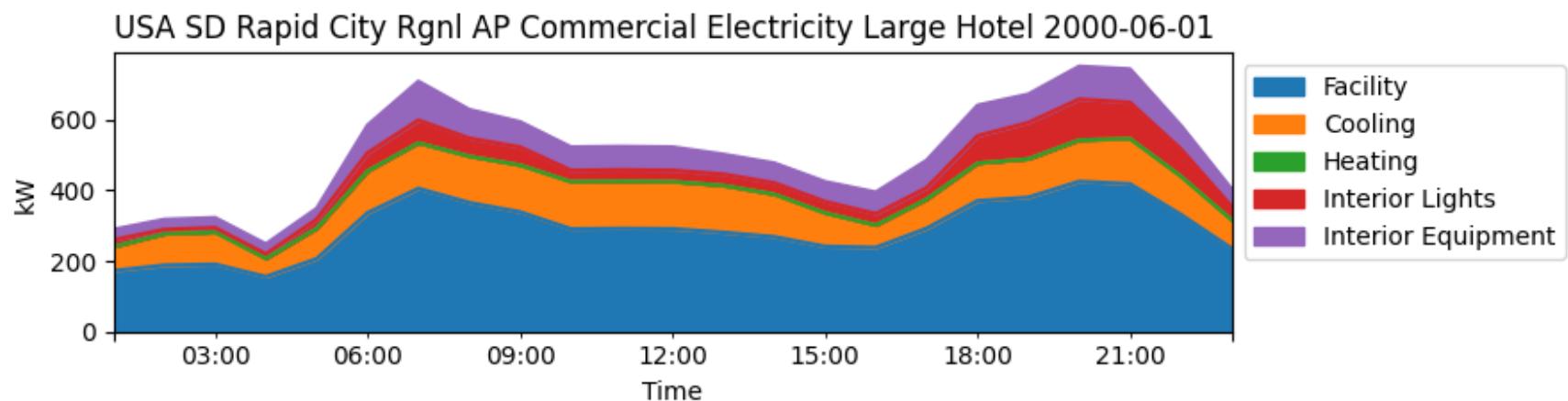
Commercial Electricity Large Hotel



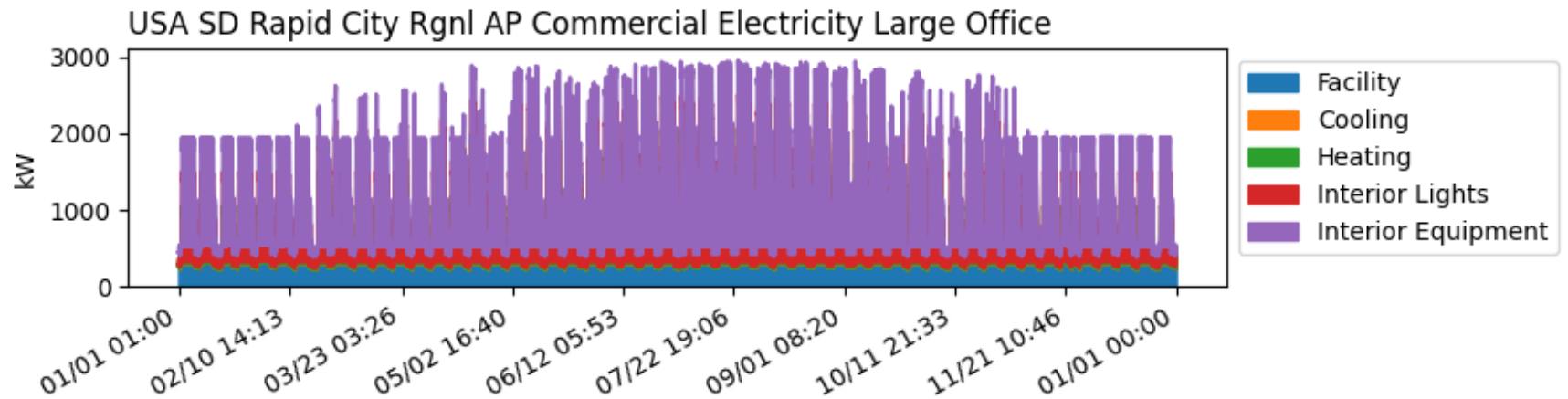
Commercial Electricity Large Hotel Winter



Commercial Electricity Large Hotel Summer

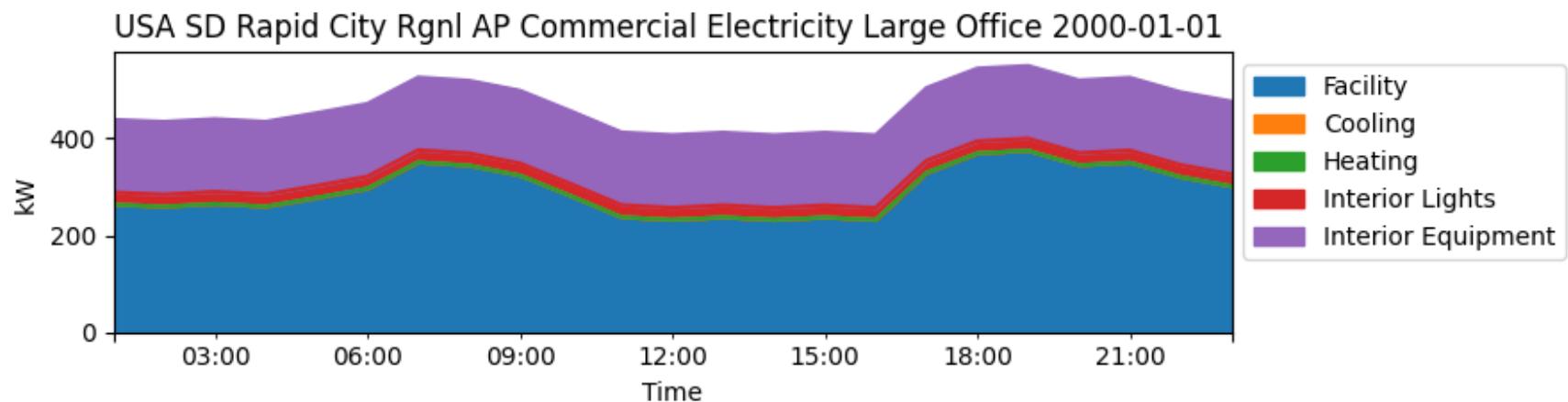


Commercial Electricity Large Office

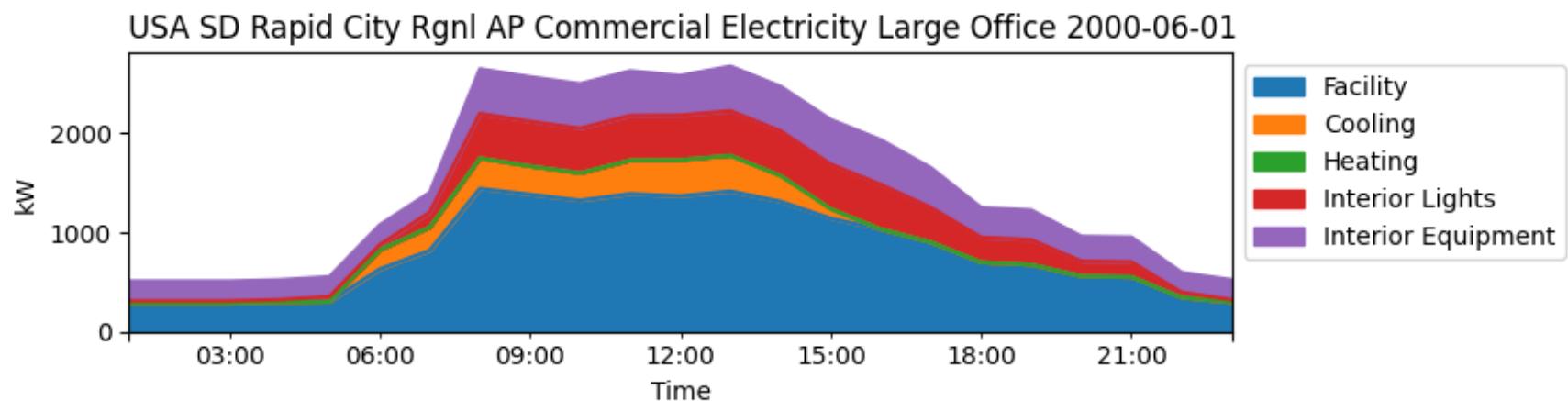


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	664.35	88.84	0	178.73	265.85
min	211.11	0	0	24.92	149.52
max	1608.69	477.4	0	448.57	448.57

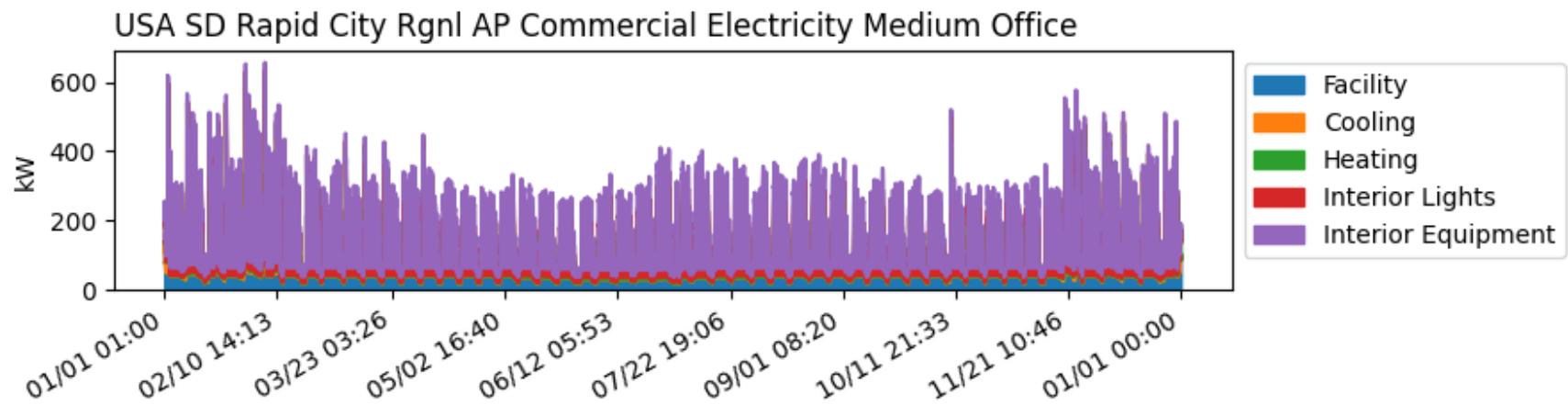
Commercial Electricity Large Office Winter



Commercial Electricity Large Office Summer

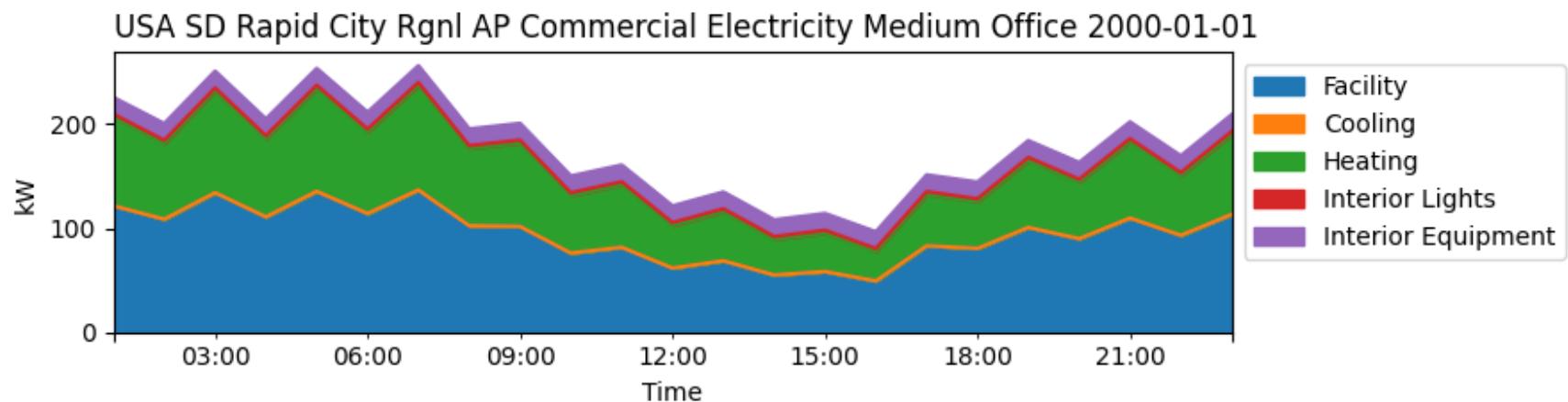


Commercial Electricity Medium Office

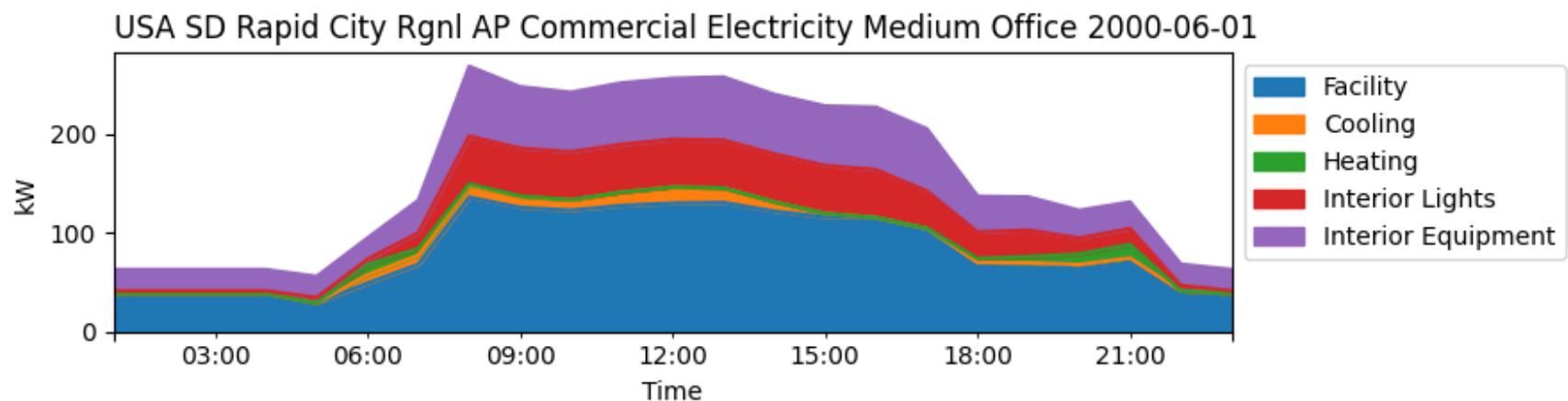


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	85.8	6.72	16.3	19.22	33.82
min	18.77	0	0	2.68	16.08
max	337.43	88.91	292.19	48.25	70.4

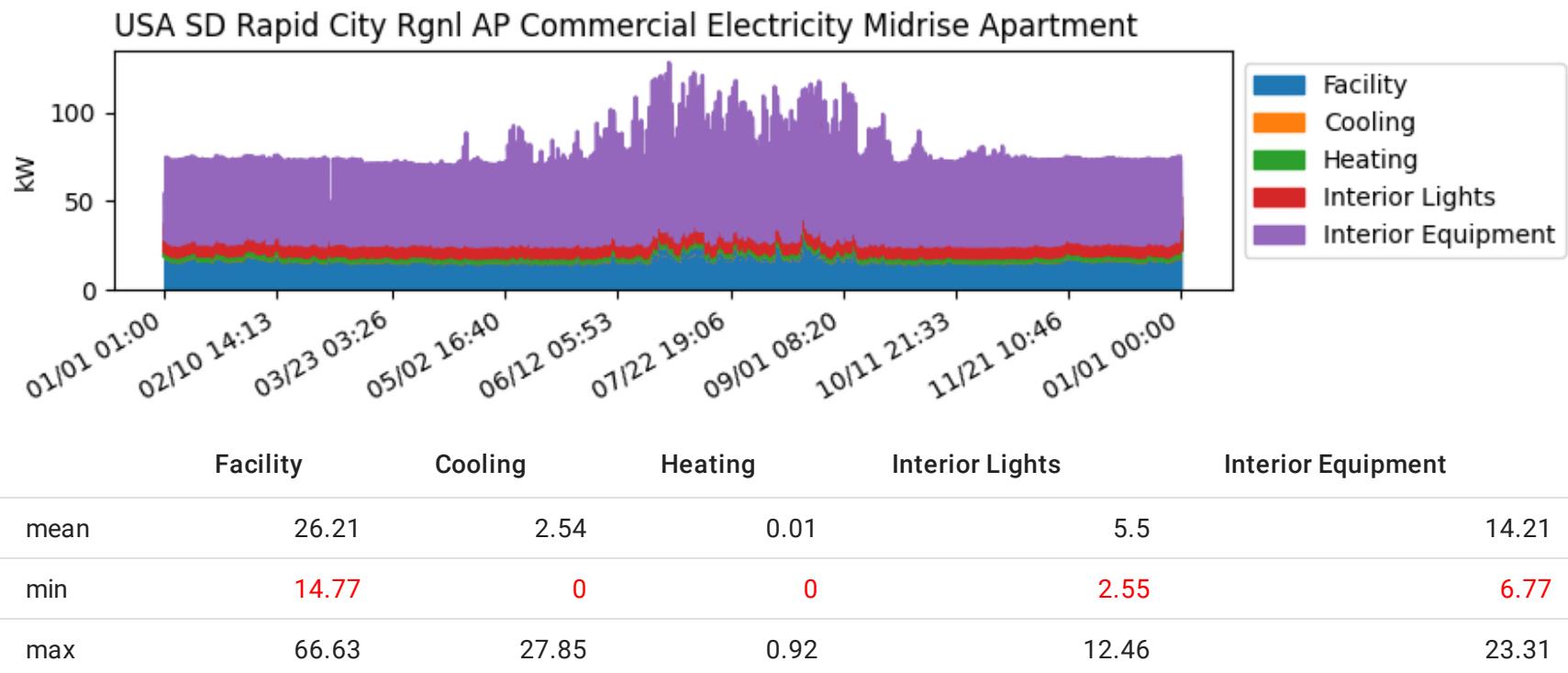
Commercial Electricity Medium Office Winter



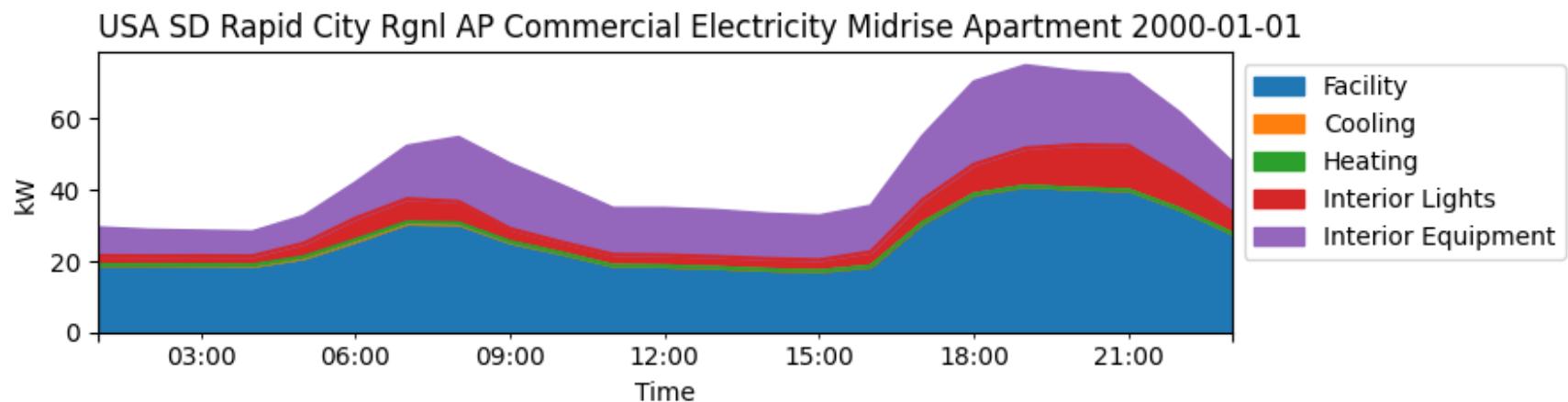
Commercial Electricity Medium Office Summer



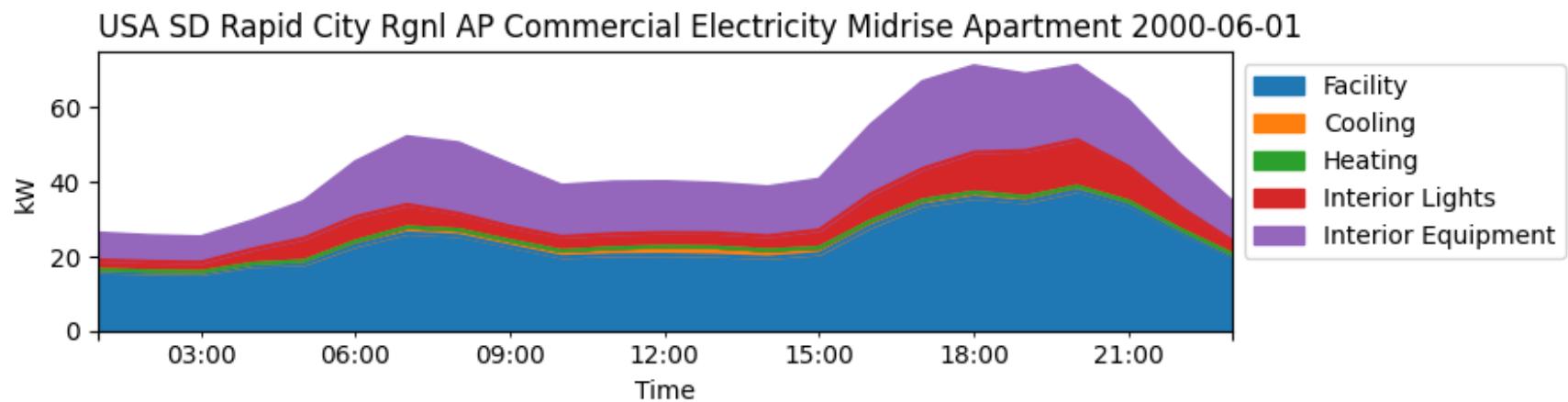
Commercial Electricity Midrise Apartment



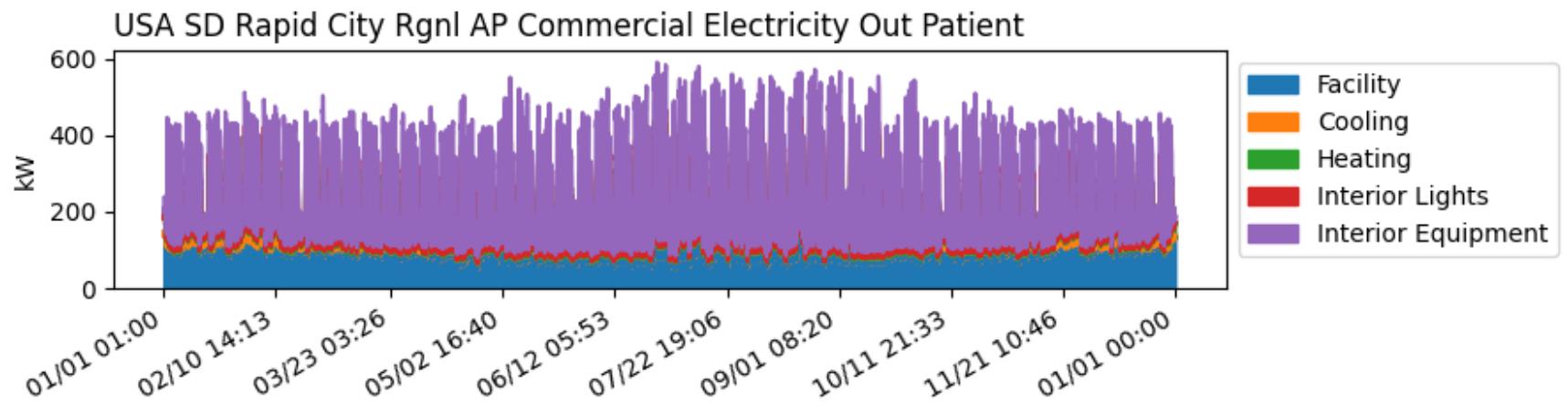
Commercial Electricity Midrise Apartment Winter



Commercial Electricity Midrise Apartment Summer

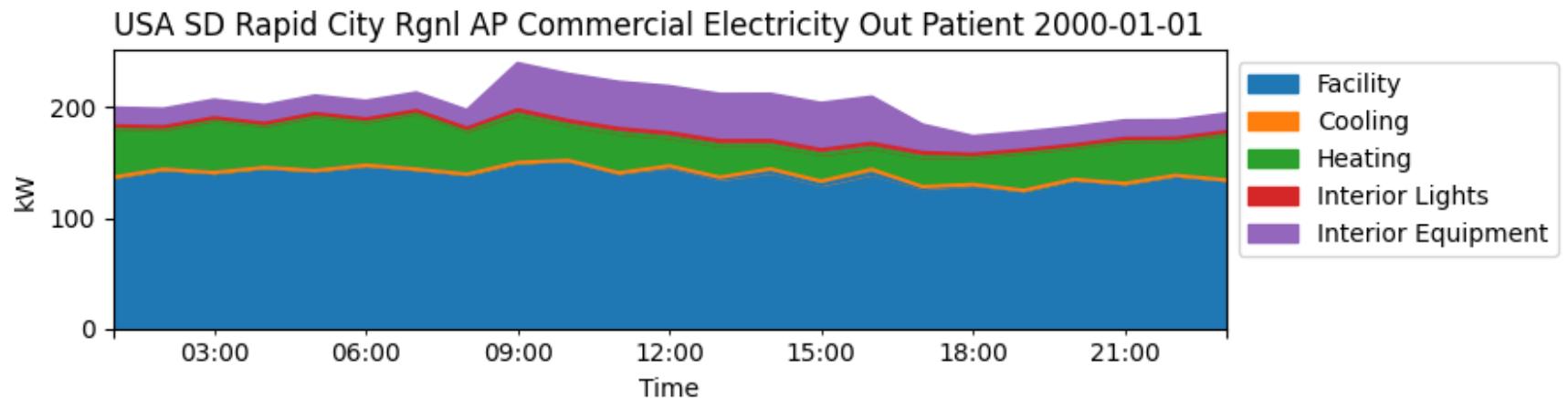


Commercial Electricity Out Patient

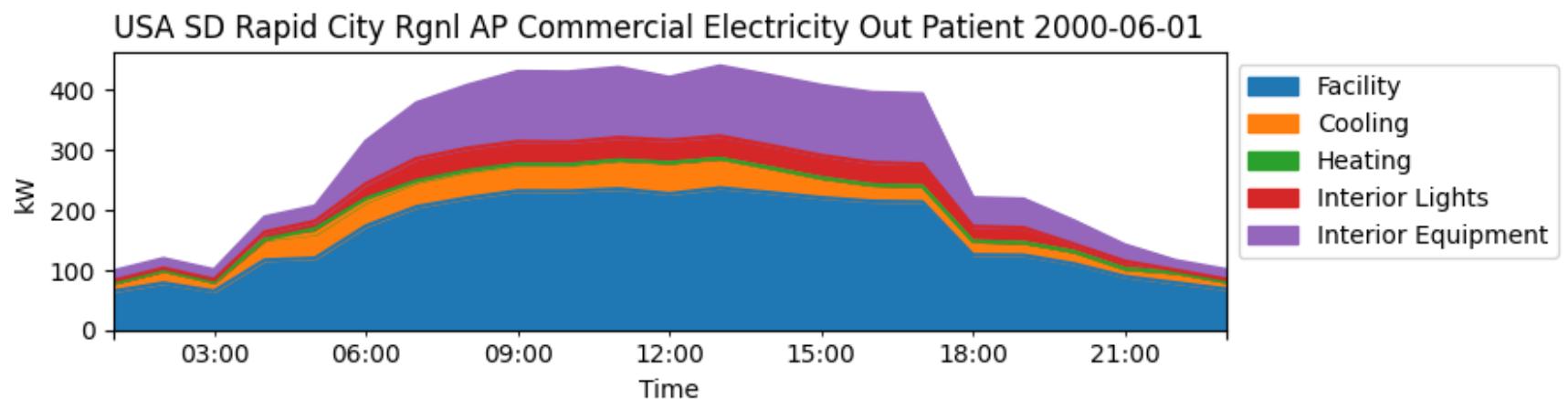


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	160.79	26.19	7.35	17.84	57.05
min	48.95	0	0	2.06	15.99
max	314.78	122.07	101.82	37.1	116.48

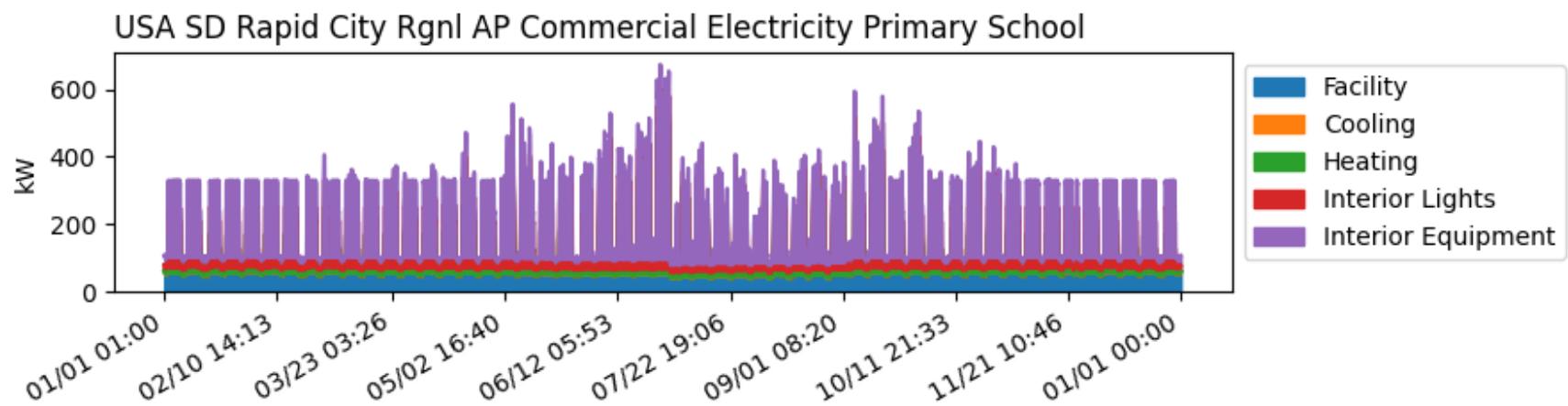
Commercial Electricity Out Patient Winter



Commercial Electricity Out Patient Summer

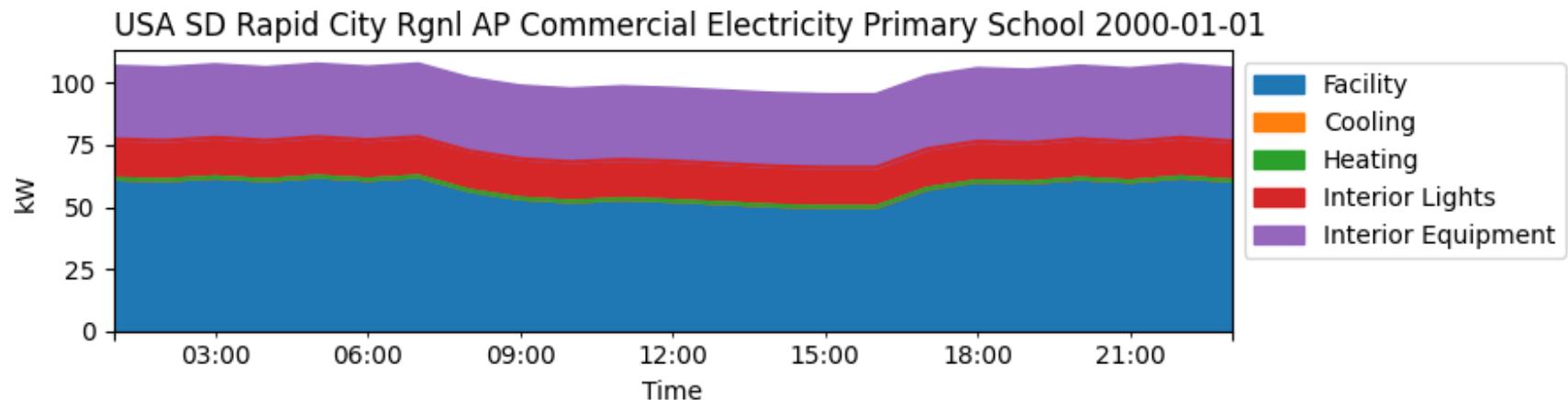


Commercial Electricity Primary School

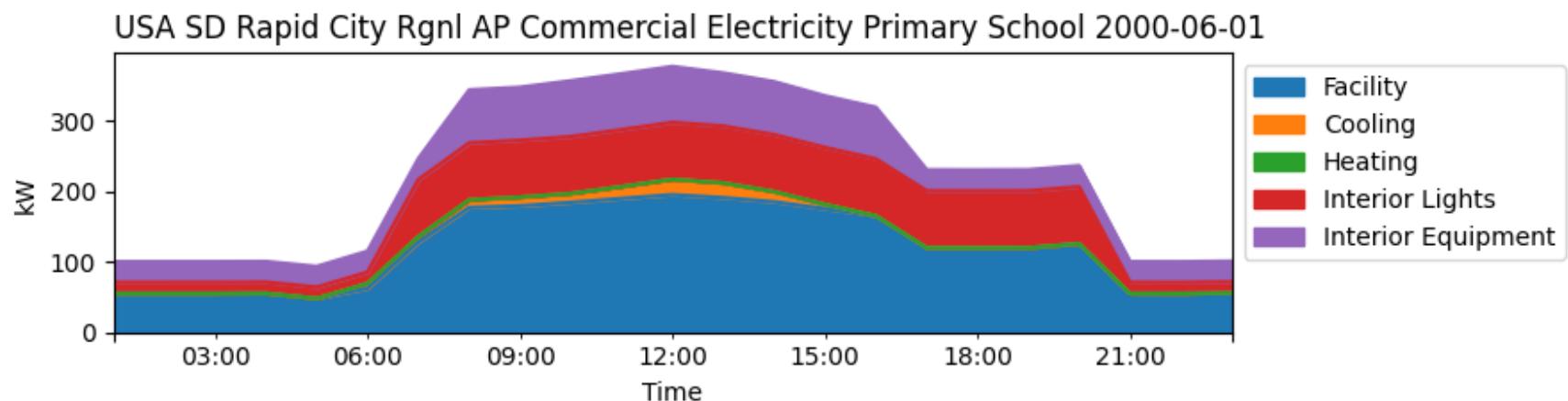


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	96.41	7.29	0	39.1	39.01
min	40.03	0	0	15.86	22.03
max	352.66	167.36	0	80.53	79.09

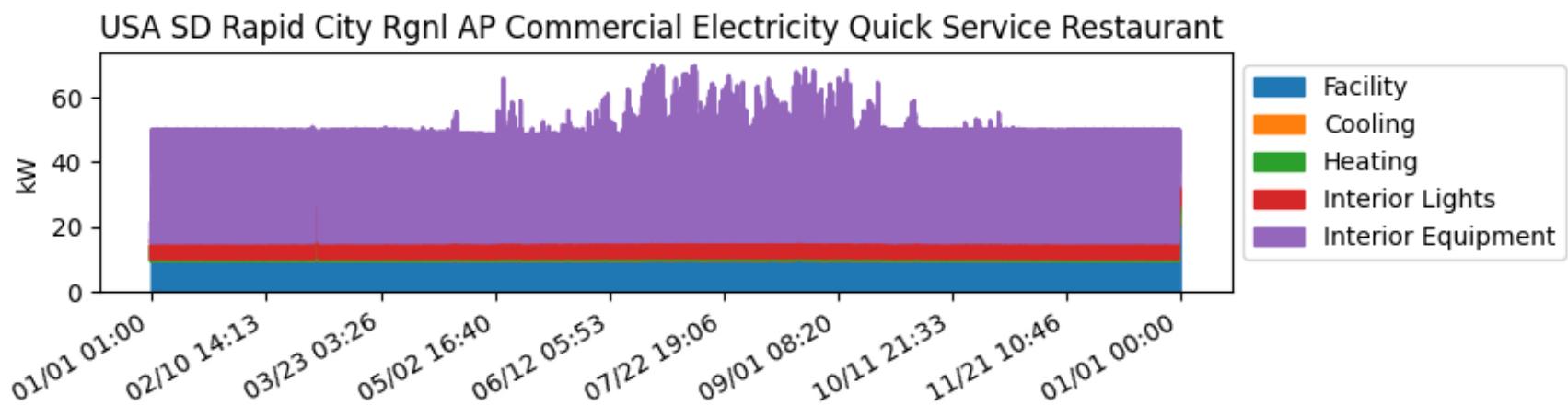
Commercial Electricity Primary School Winter



Commercial Electricity Primary School Summer

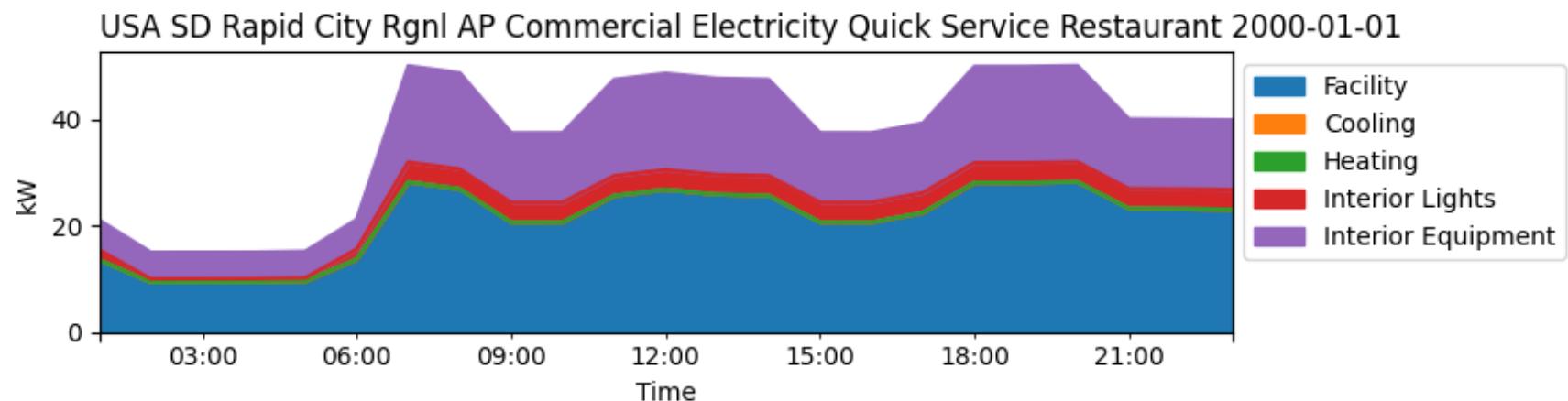


Commercial Electricity Quick Service Restaurant

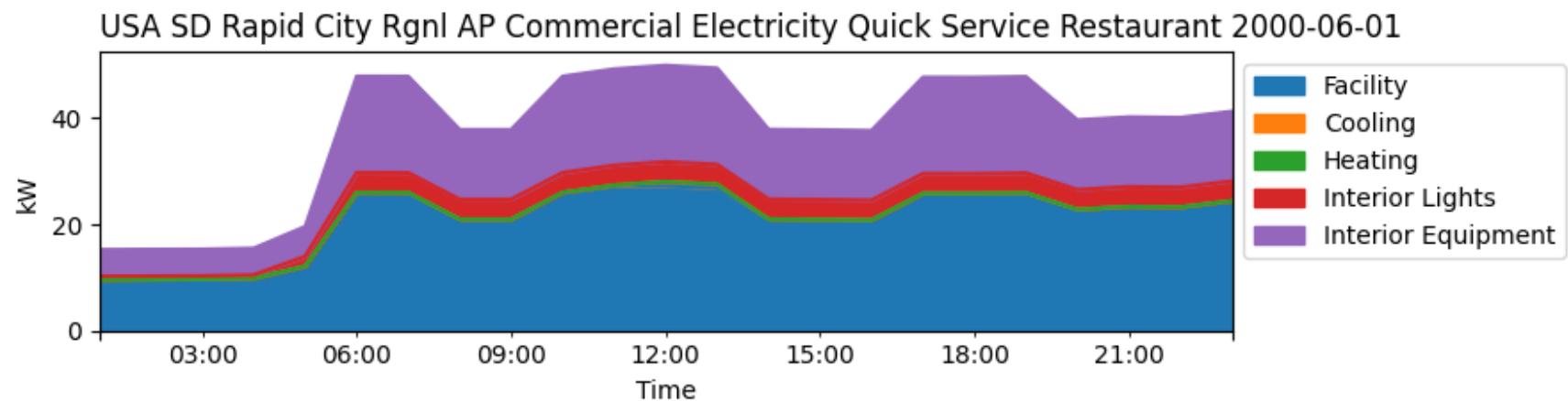


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	21.77	0.69	0	3.04	12.98
min	9.44	0	0	0.62	5
max	37.54	11.01	0	3.71	18.08

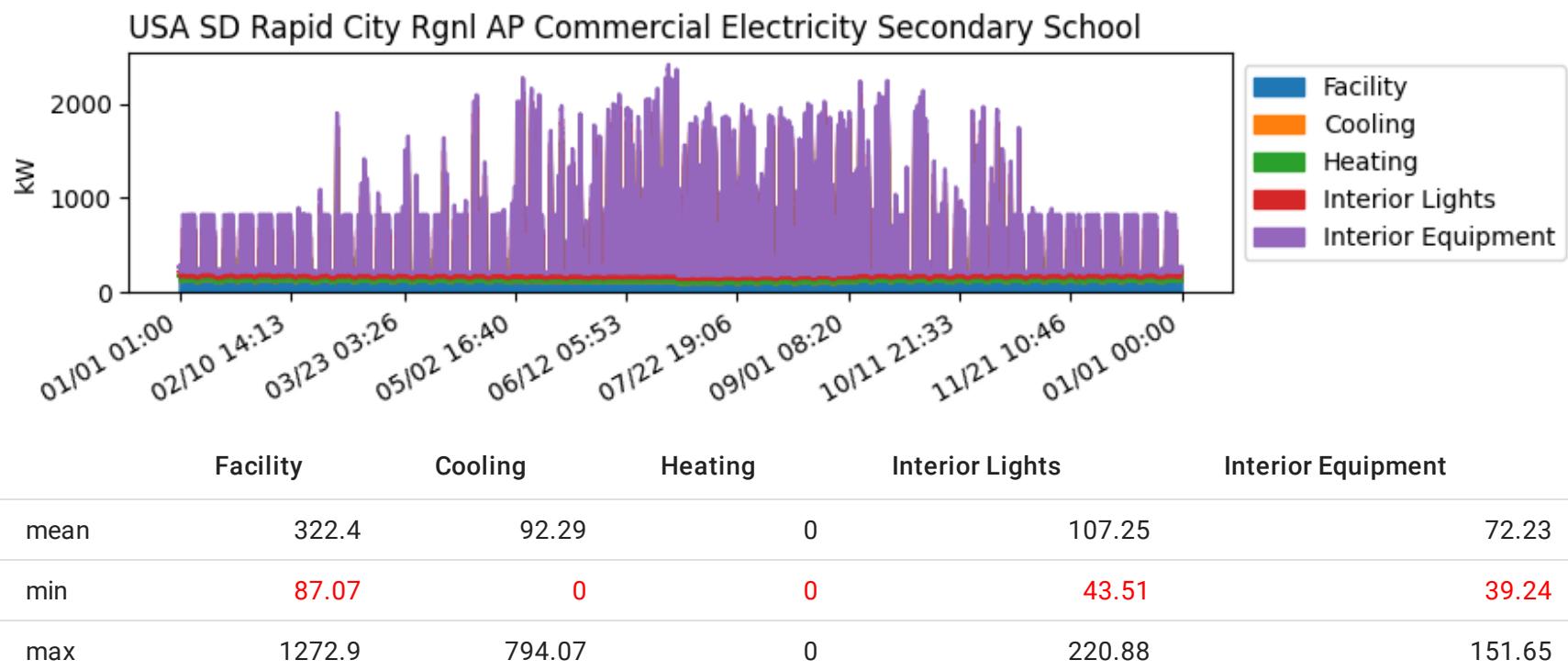
Commercial Electricity Quick Service Restaurant Winter



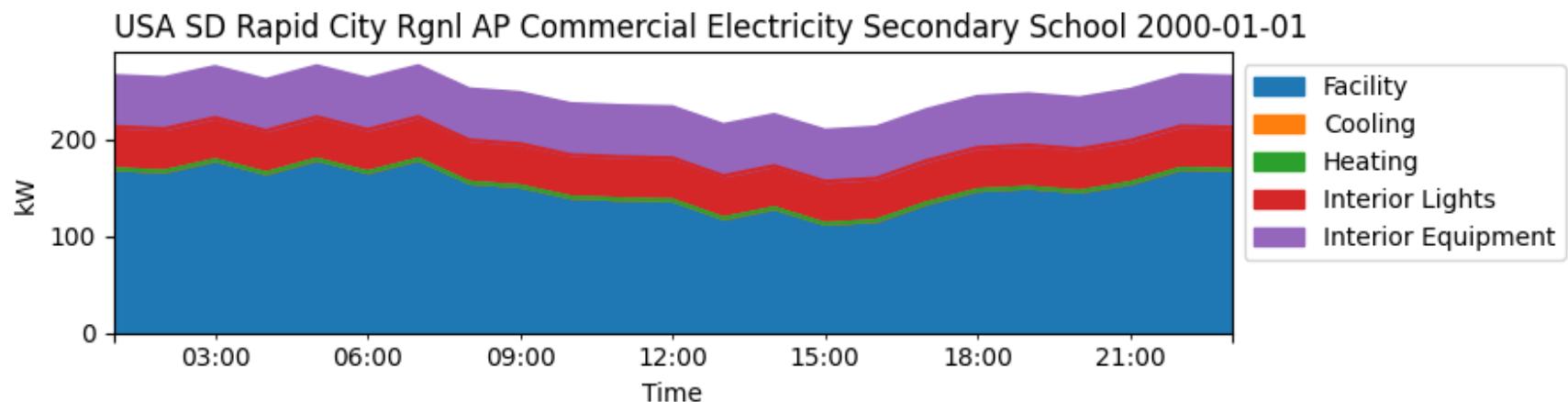
Commercial Electricity Quick Service Restaurant Summer



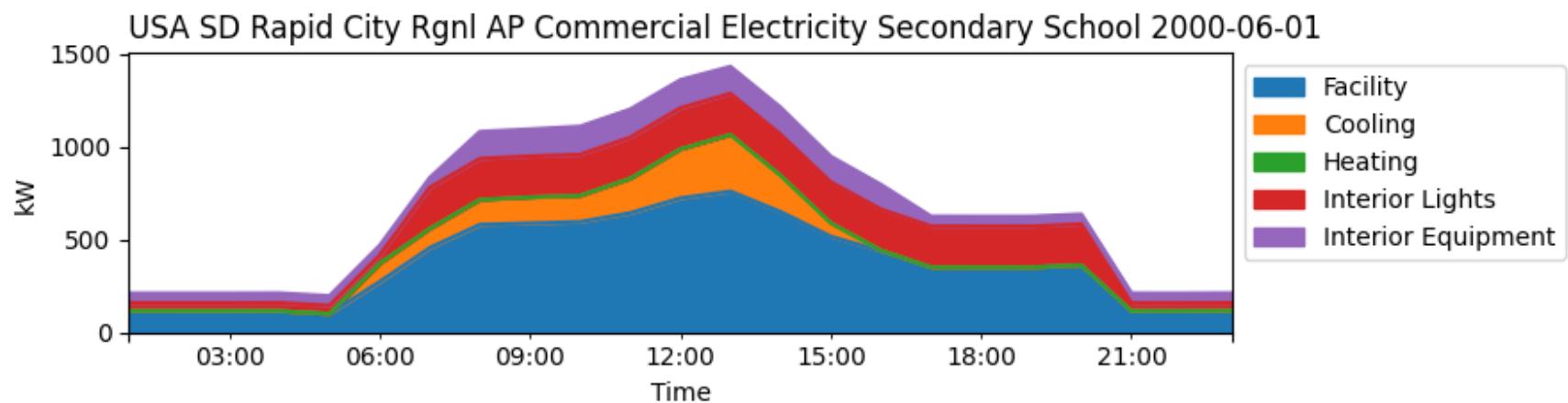
Commercial Electricity Secondary School



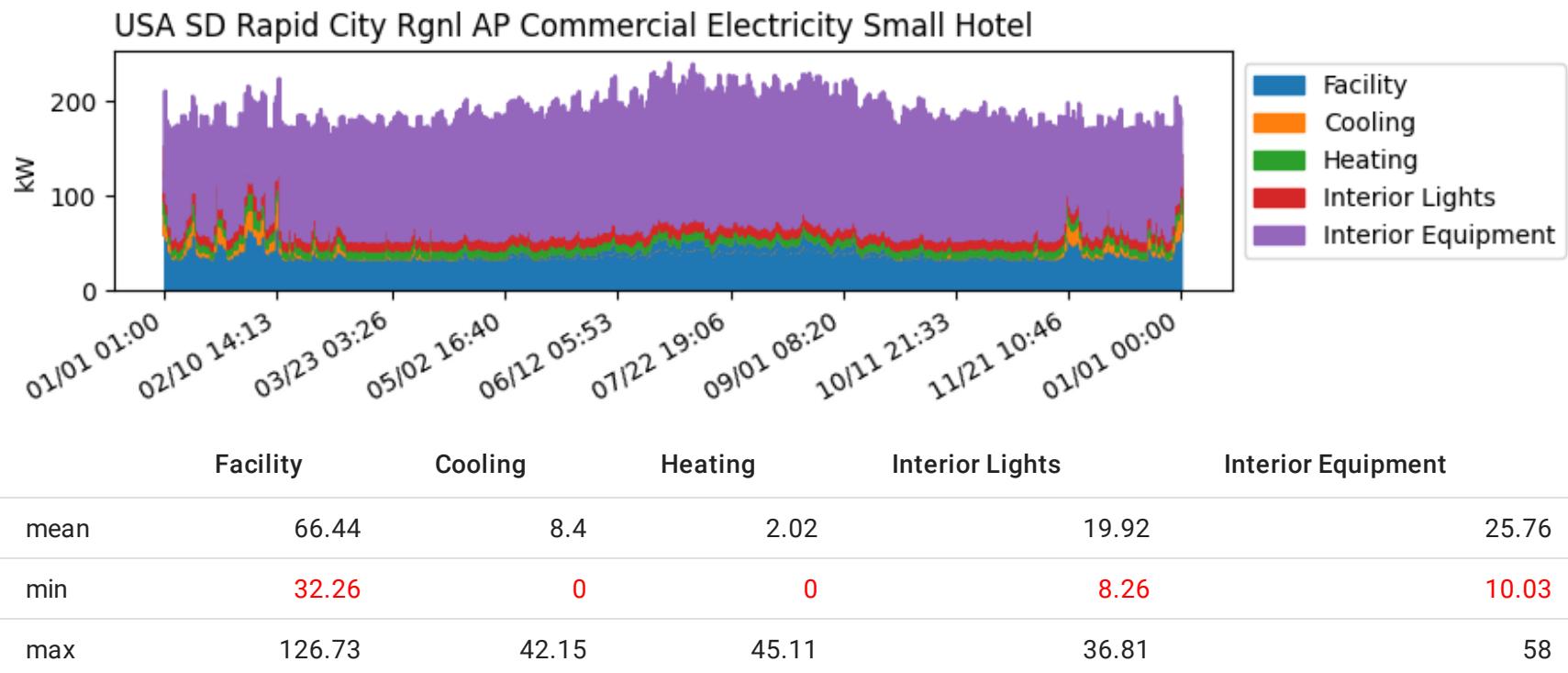
Commercial Electricity Secondary School Winter



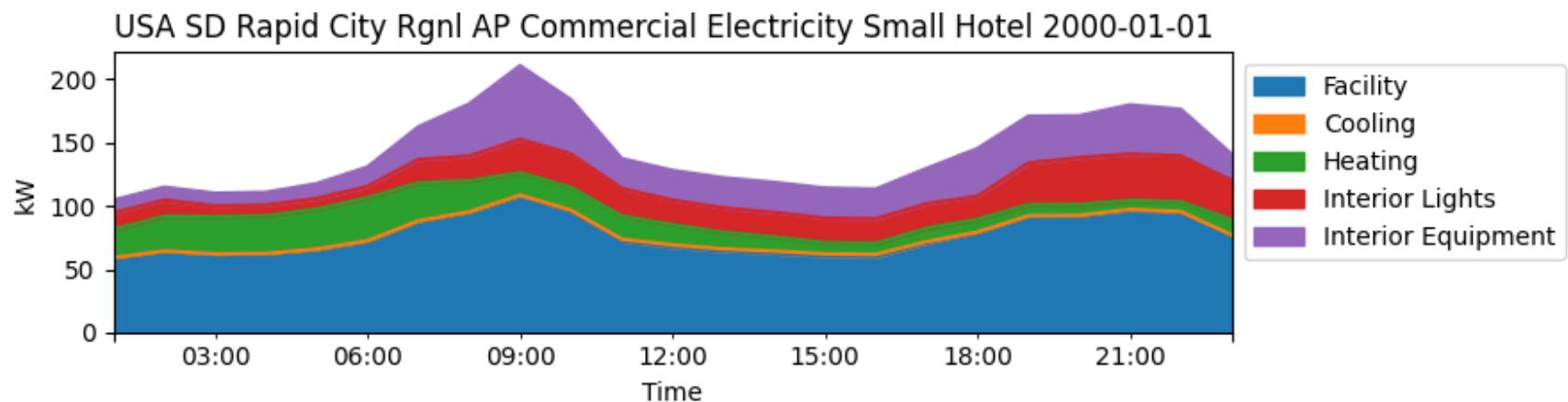
Commercial Electricity Secondary School Summer



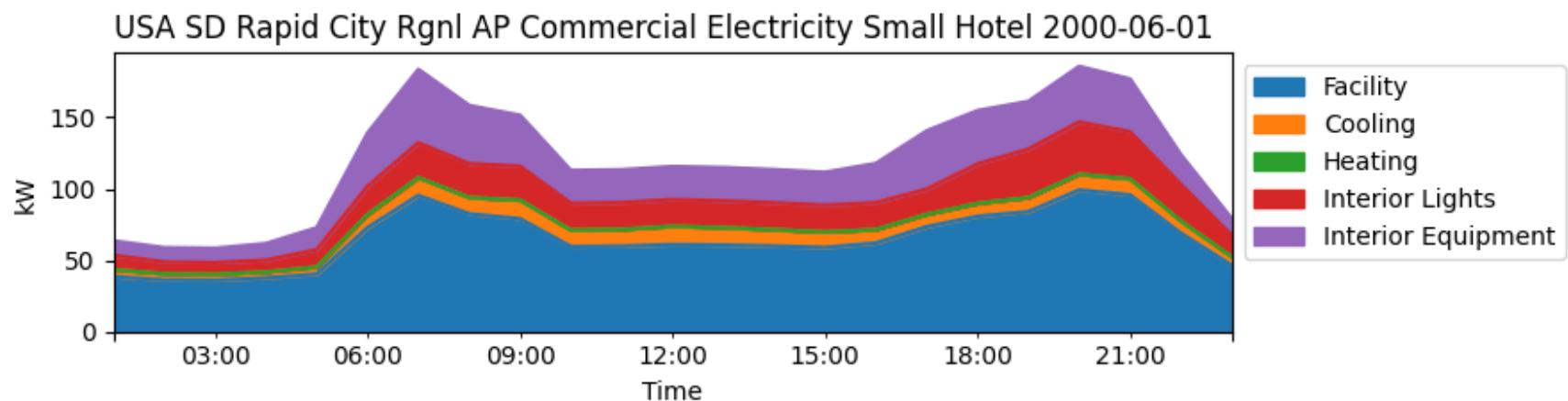
Commercial Electricity Small Hotel



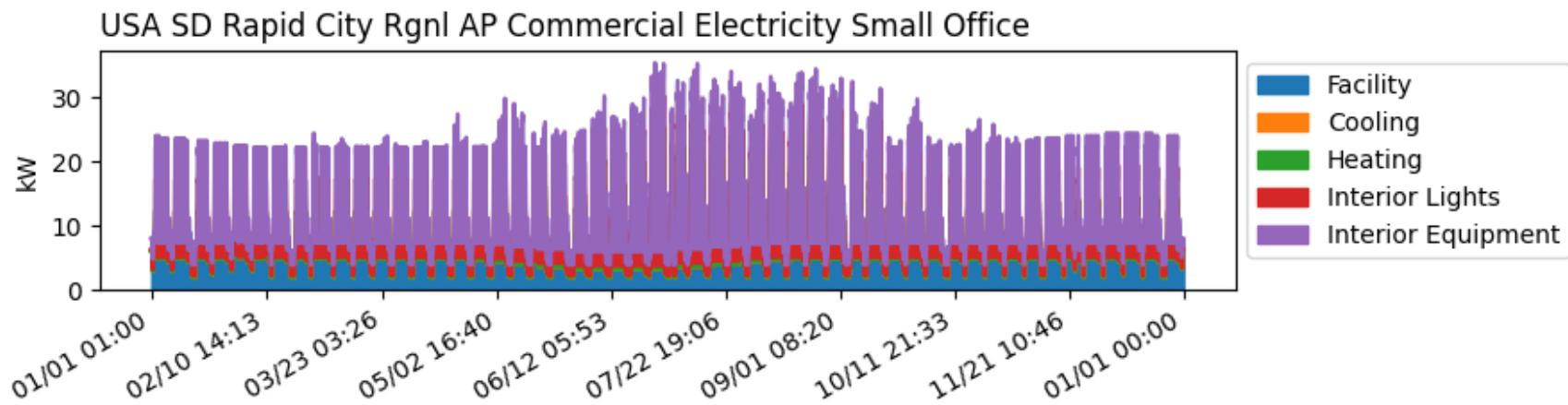
Commercial Electricity Small Hotel Winter



Commercial Electricity Small Hotel Summer

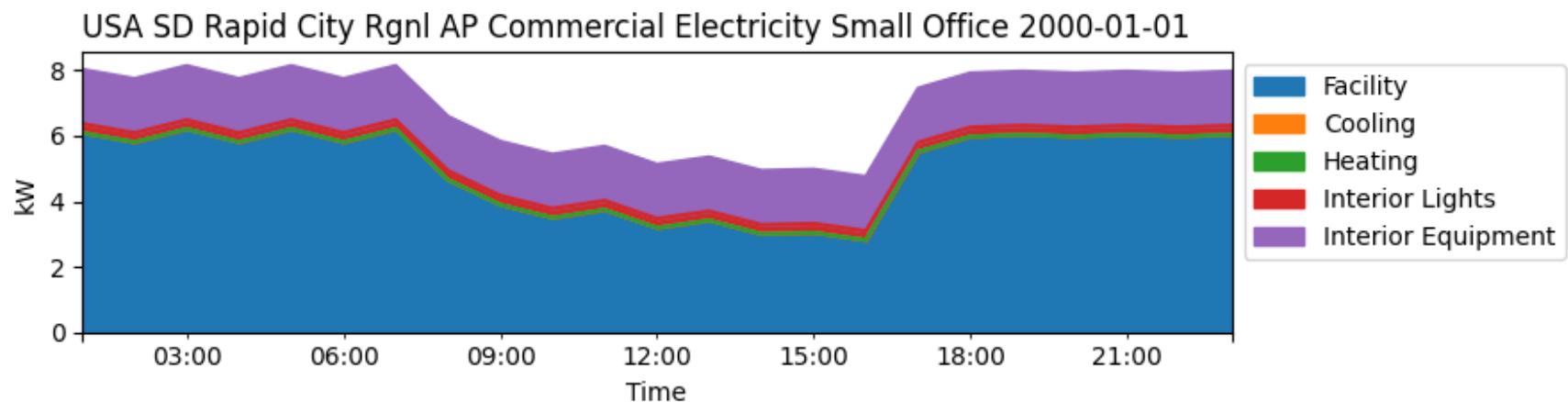


Commercial Electricity Small Office

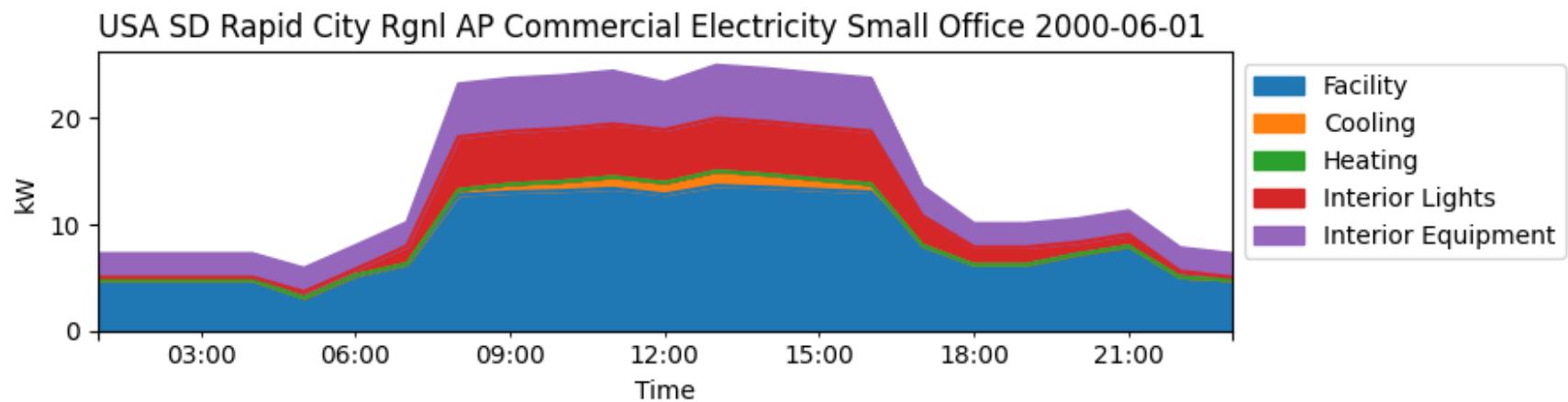


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	7.48	0.44	0	1.8	2.78
min	1.93	0	0	0.28	1.65
max	18.9	6.63	0	4.95	4.95

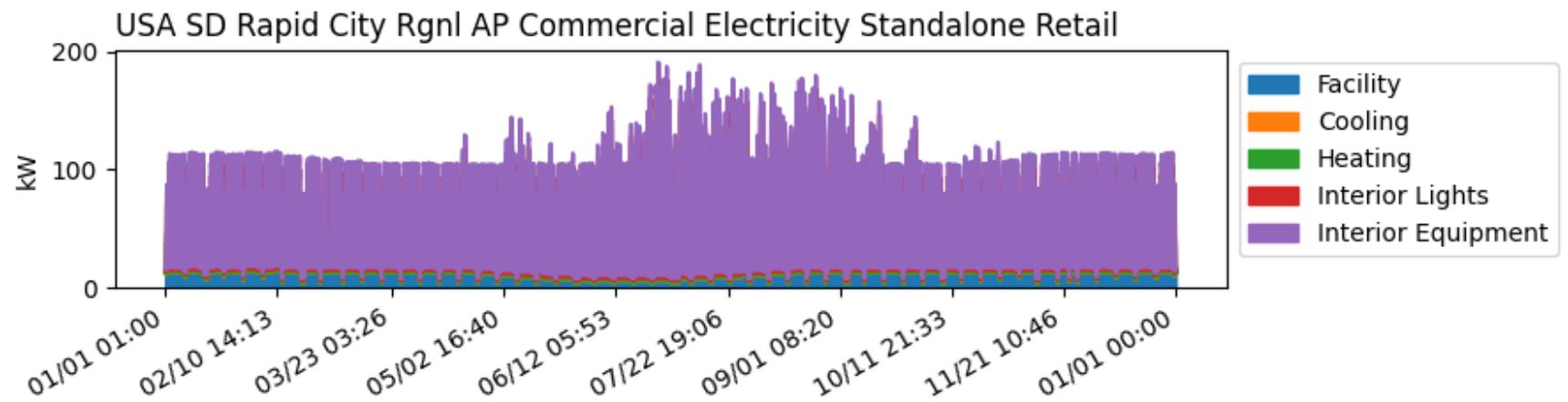
Commercial Electricity Small Office Winter



Commercial Electricity Small Office Summer

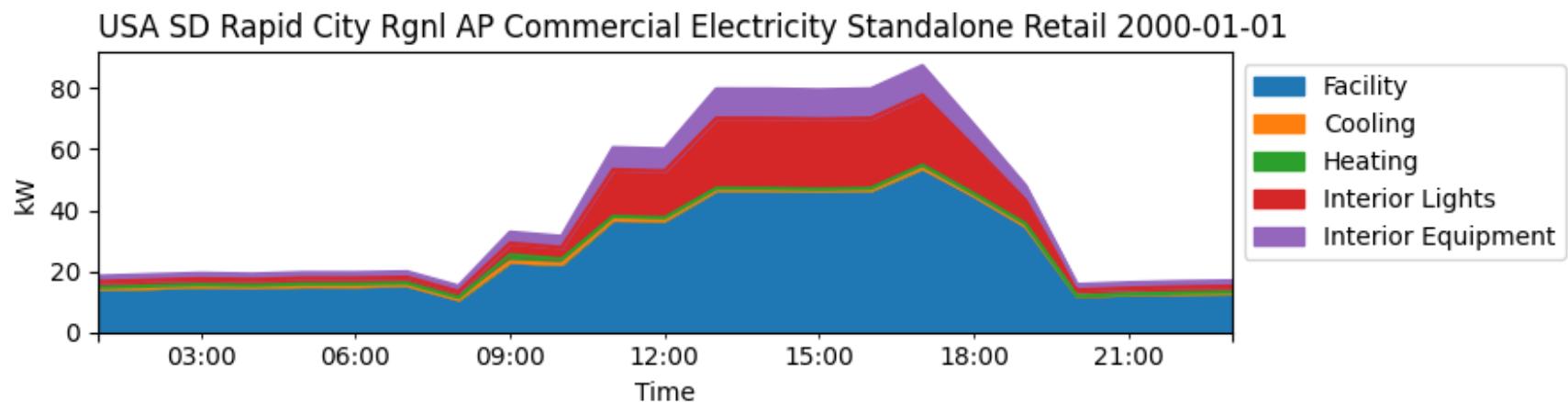


Commercial Electricity Standalone Retail

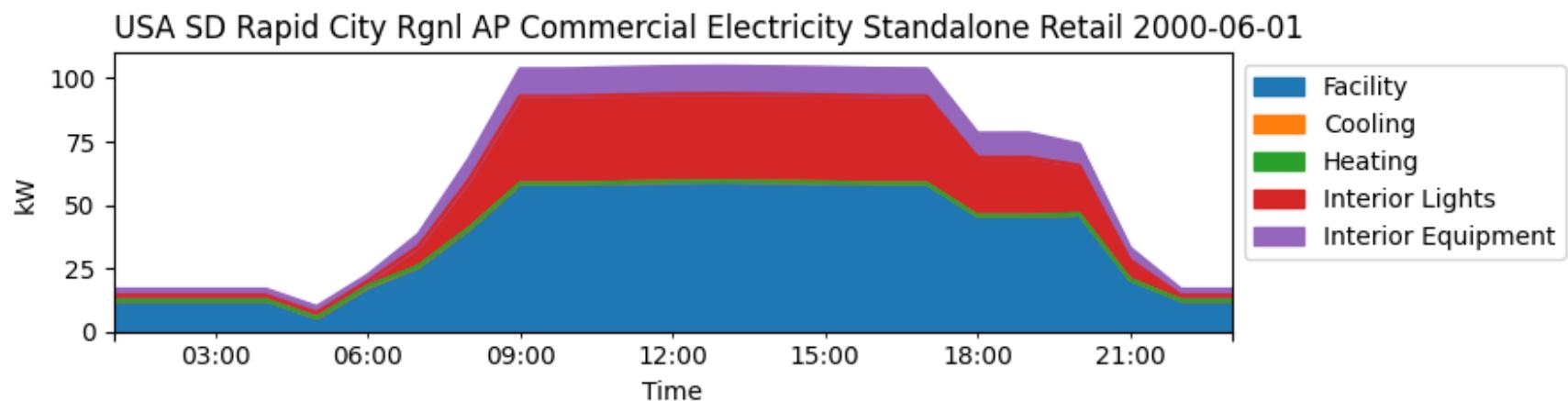


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	36.81	2.25	0.22	15.86	6.3
min	3.71	0	0	1.91	1.8
max	102.07	43.61	2.94	34.38	10.77

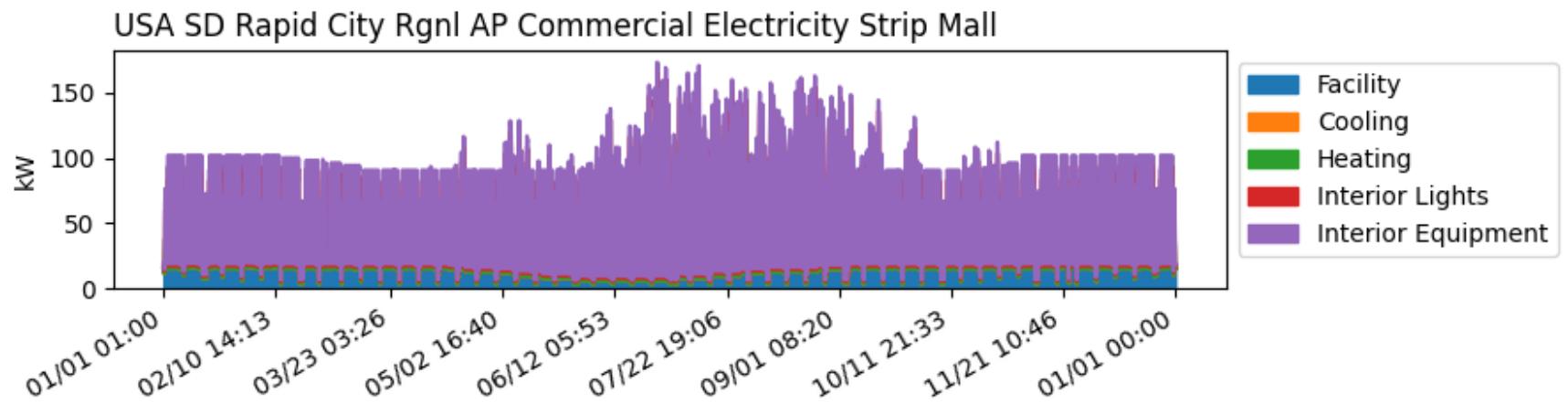
Commercial Electricity Standalone Retail Winter



Commercial Electricity Standalone Retail Summer

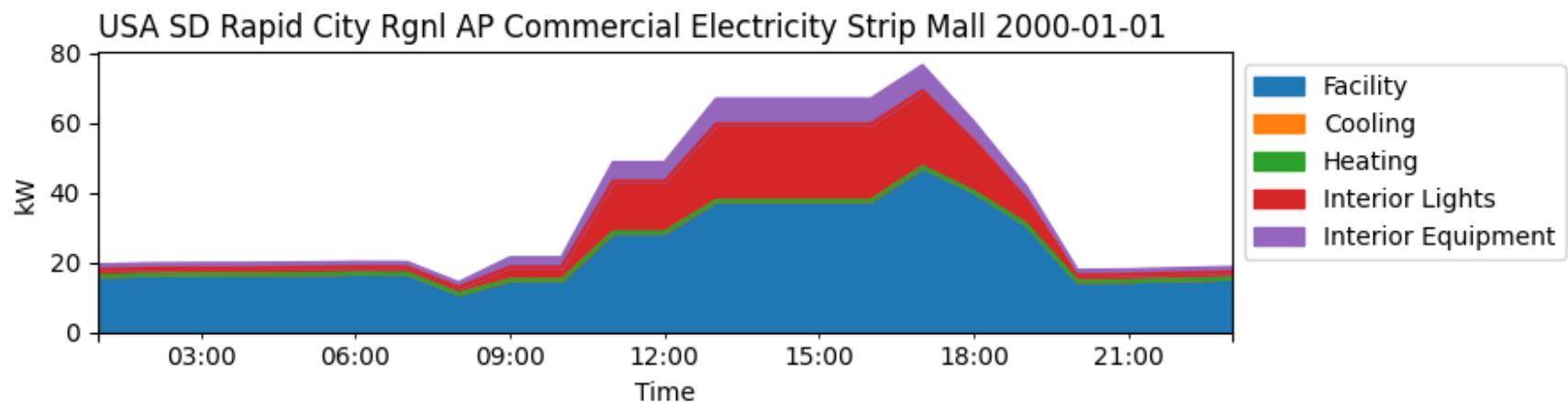


Commercial Electricity Strip Mall

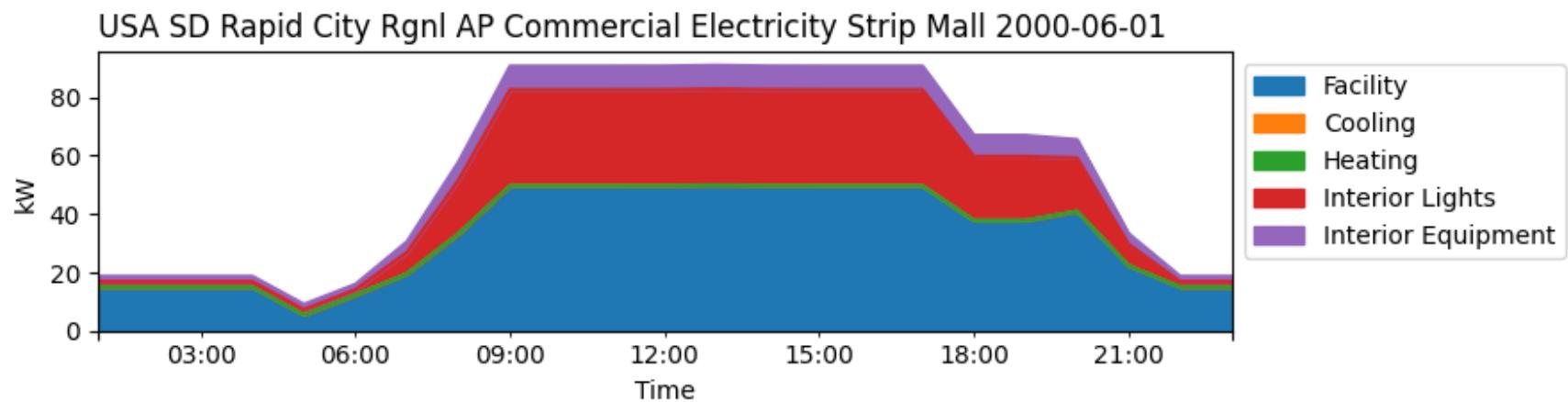


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	32.99	2.07	0	15.15	4.73
min	3.17	0	0	1.82	1.35
max	91.06	41.38	0	32.84	8.09

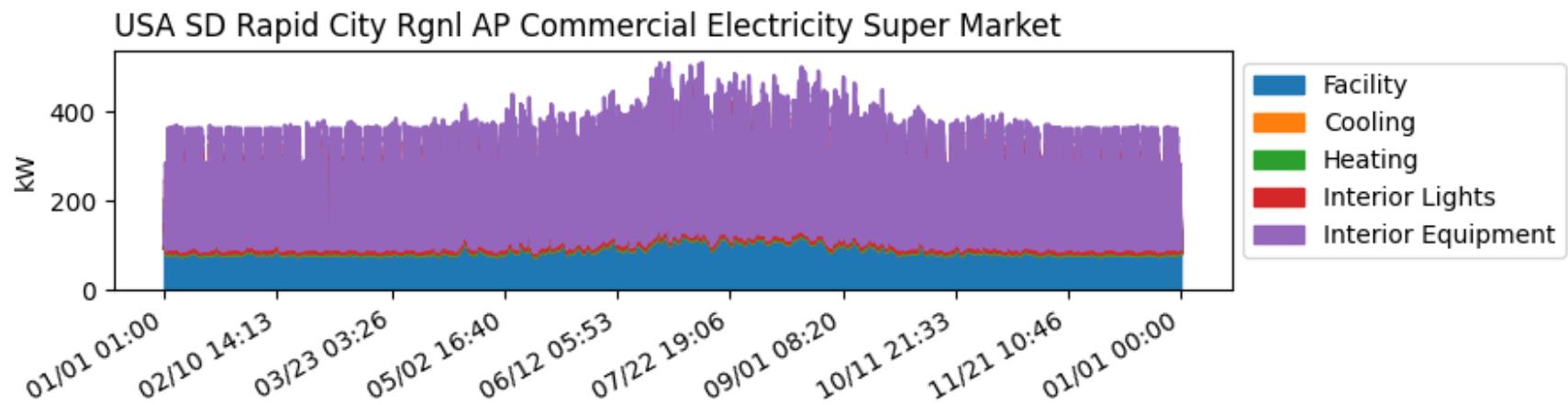
Commercial Electricity Strip Mall Winter



Commercial Electricity Strip Mall Summer

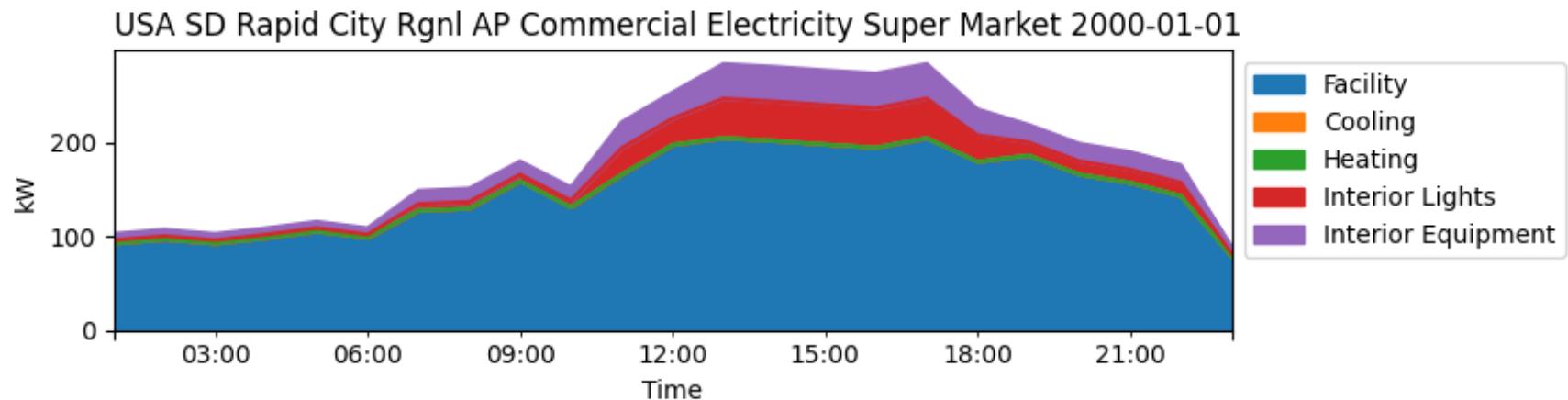


Commercial Electricity Super Market

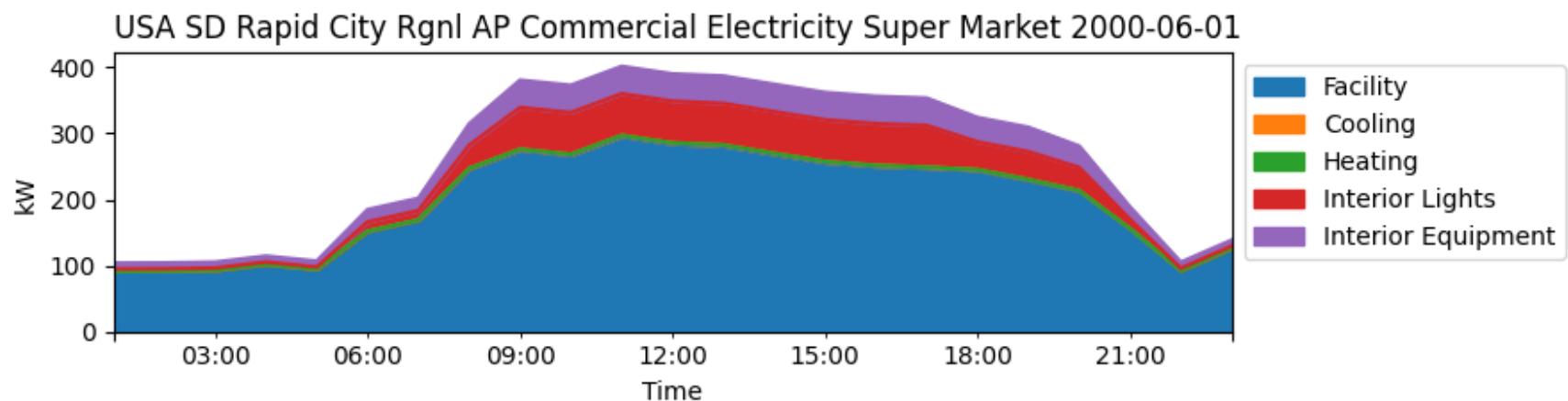


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	185.21	2.34	0	29.61	24.91
min	74.87	0	0	3.49	6.81
max	364.55	54.4	0	62.89	41.4

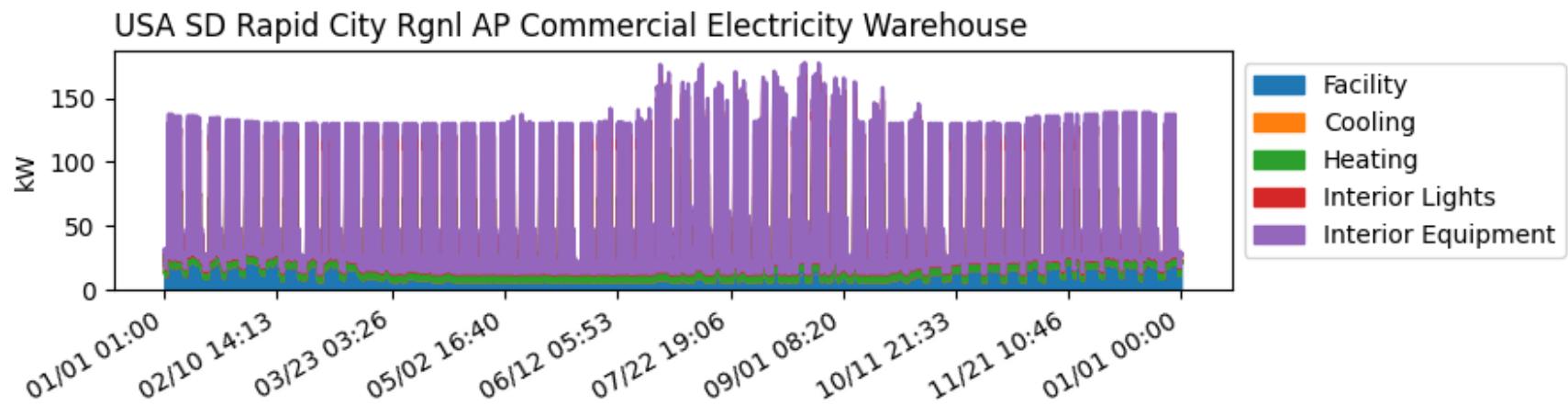
Commercial Electricity Super Market Winter



Commercial Electricity Super Market Summer

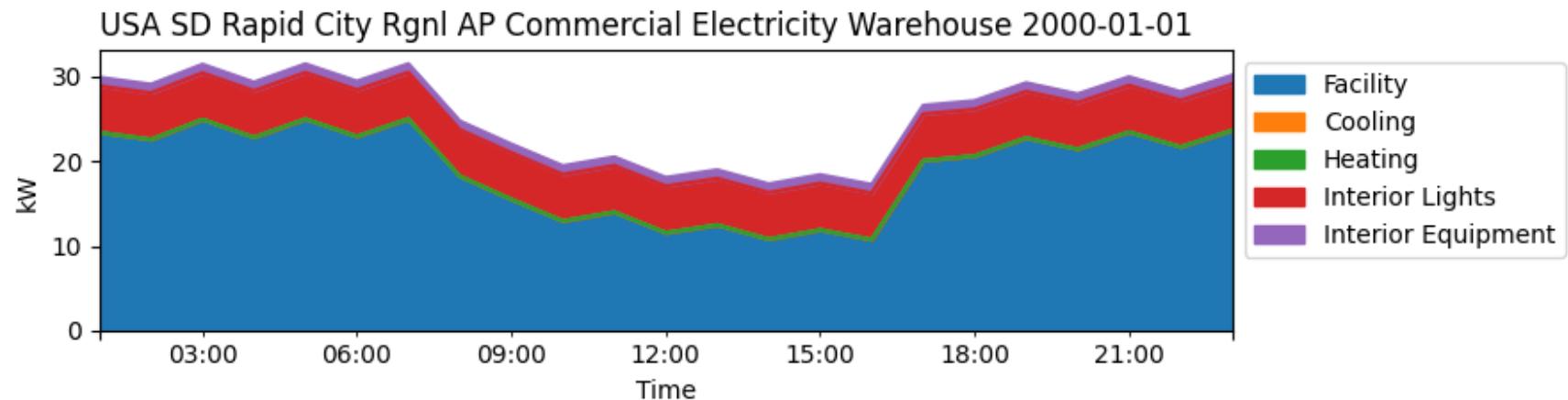


Commercial Electricity Warehouse

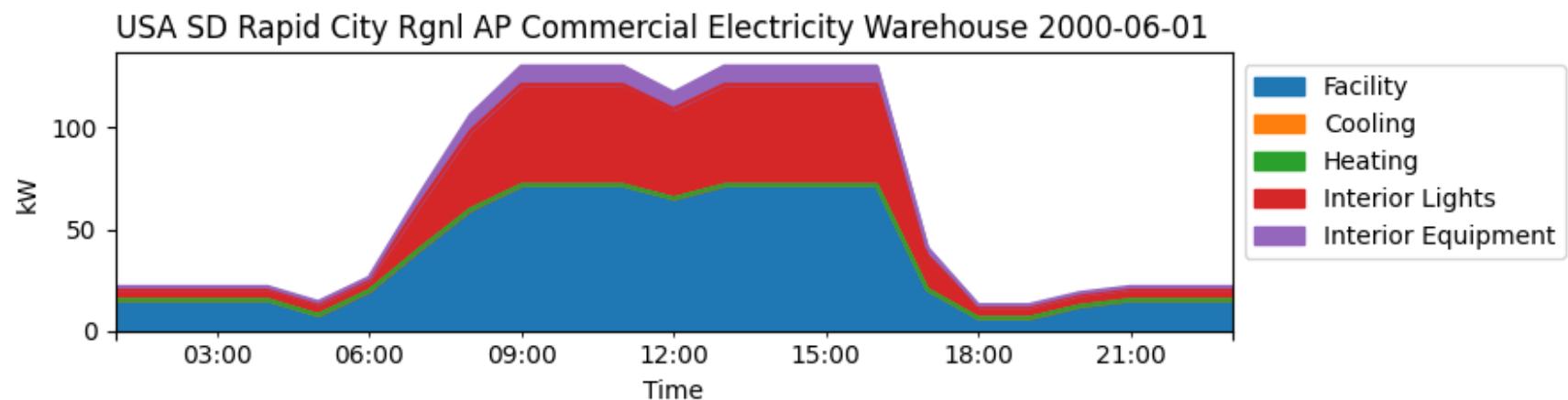


	Facility	Cooling	Heating	Interior Lights	Interior Equipment
mean	31.83	0.58	0	17.28	3.31
min	6.49	0	0	5.48	1.01
max	95.69	23.87	0	49.33	9.1

Commercial Electricity Warehouse Winter

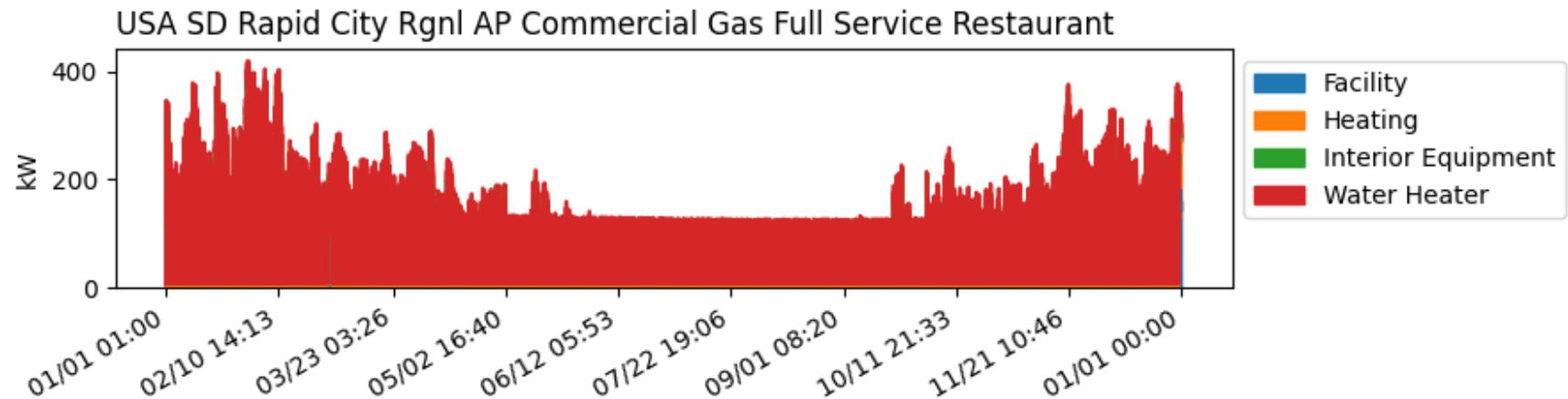


Commercial Electricity Warehouse Summer



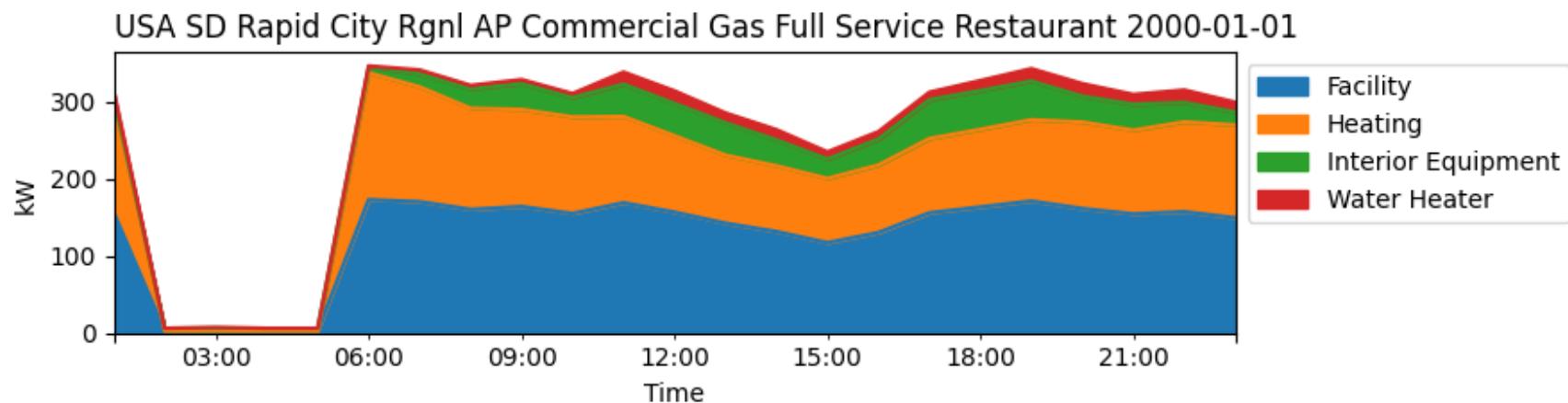
Commercial Gas

Commercial Gas Full Service Restaurant

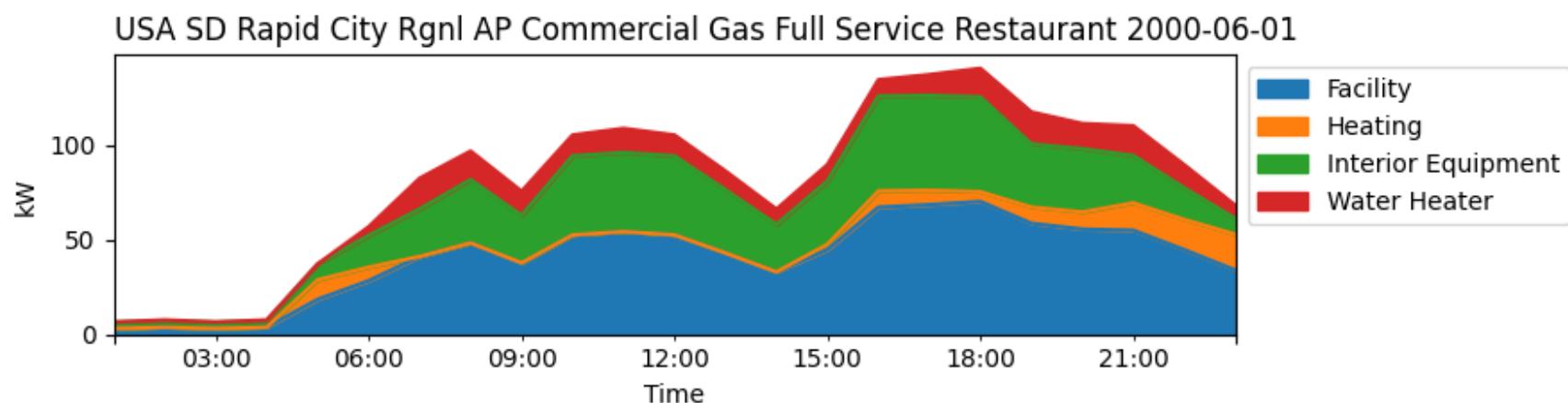


	Facility	Heating	Interior Equipment	Water Heater
mean	62.67	28.21		25.4
min	3.36	0		0.02
max	209.72	181.6		50.1

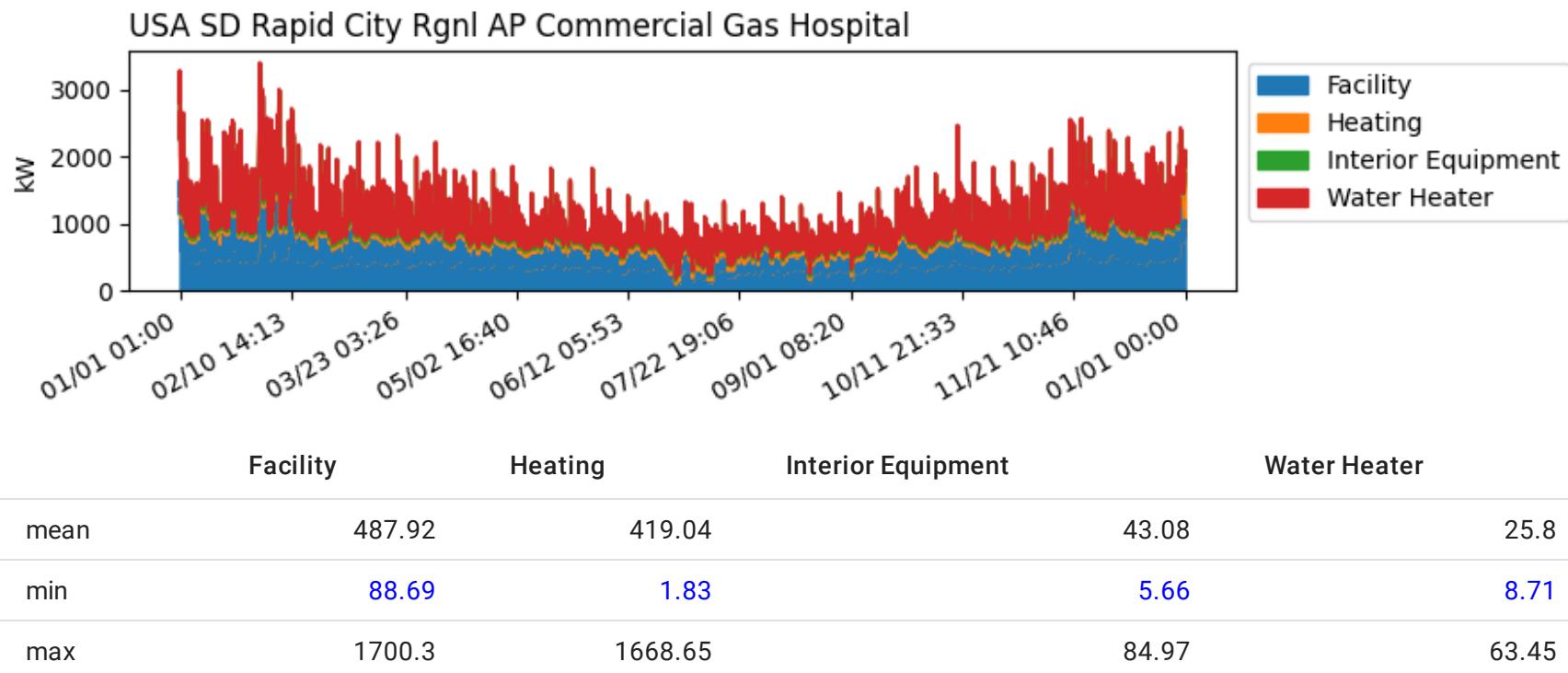
Commercial Gas Full Service Restaurant Winter



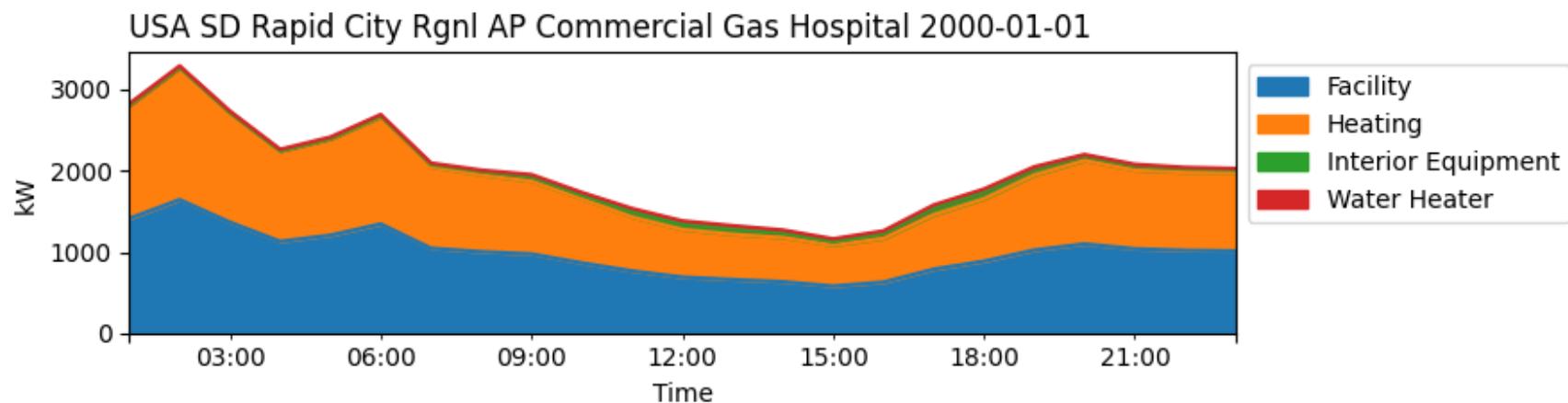
Commercial Gas Full Service Restaurant Summer



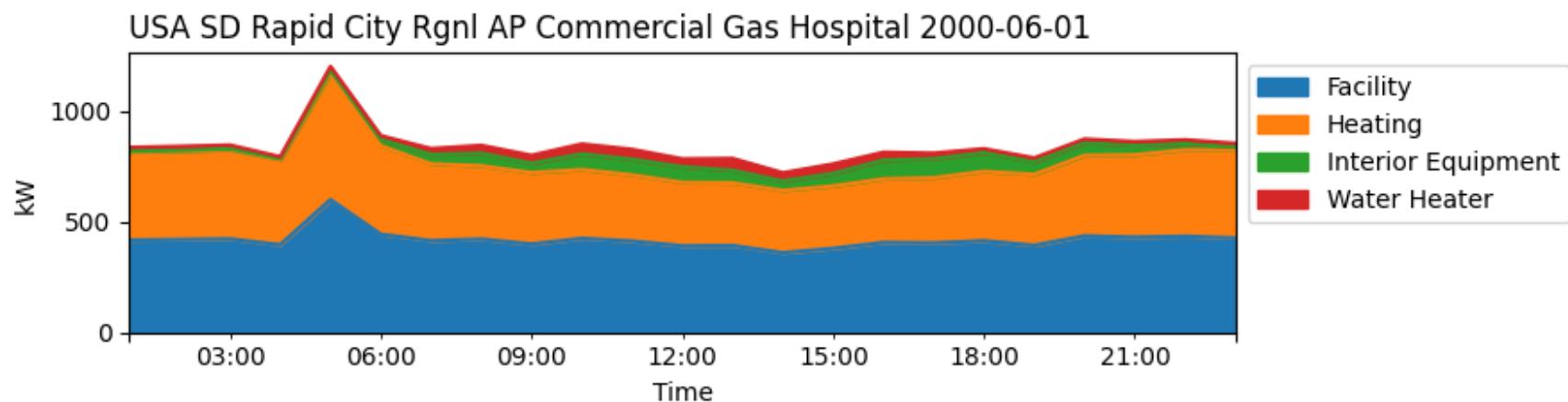
Commercial Gas Hospital



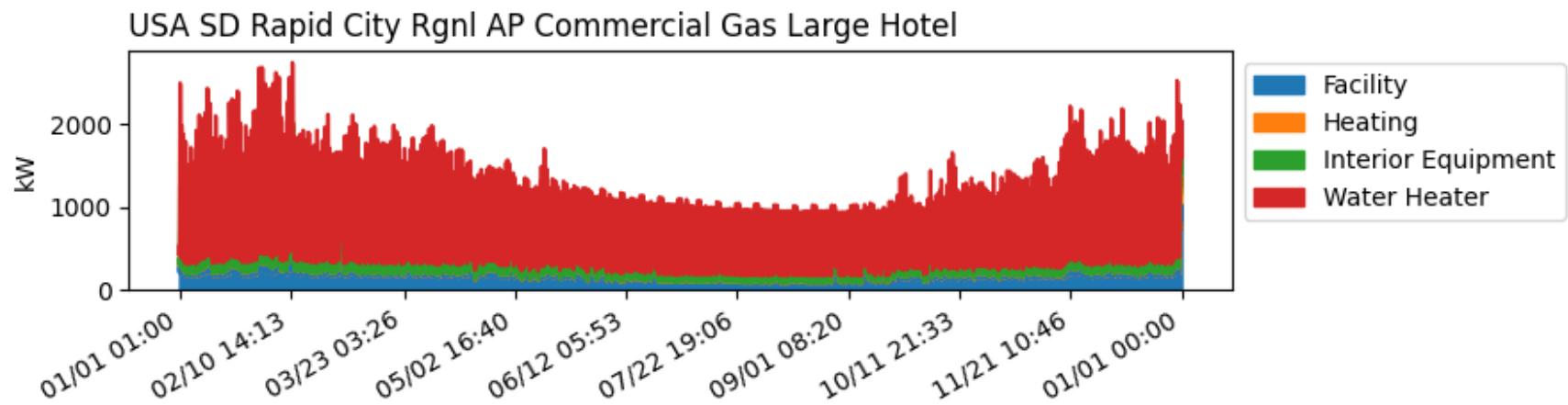
Commercial Gas Hospital Winter



Commercial Gas Hospital Summer

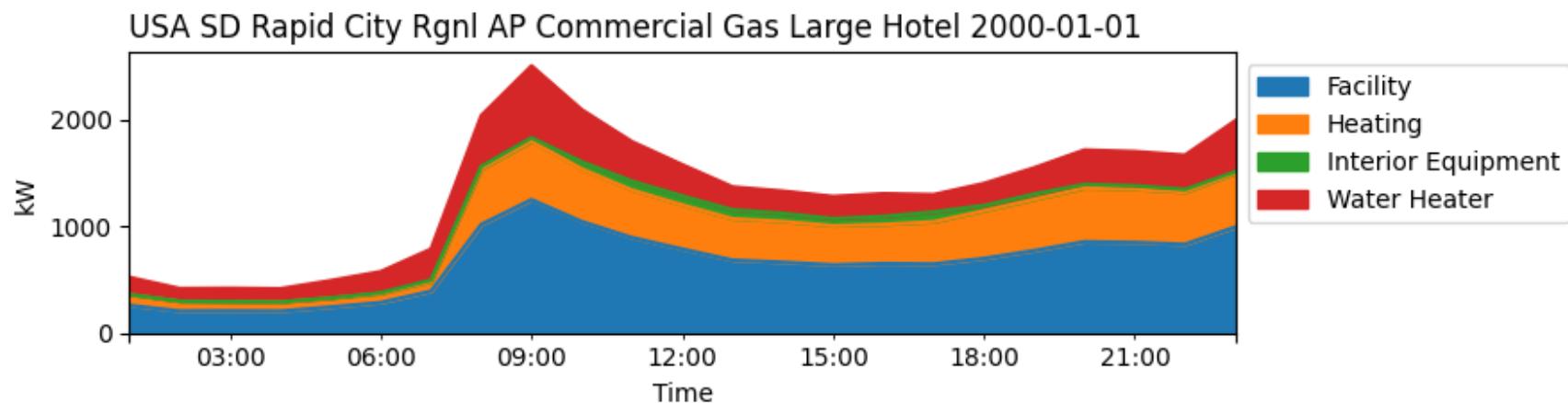


Commercial Gas Large Hotel

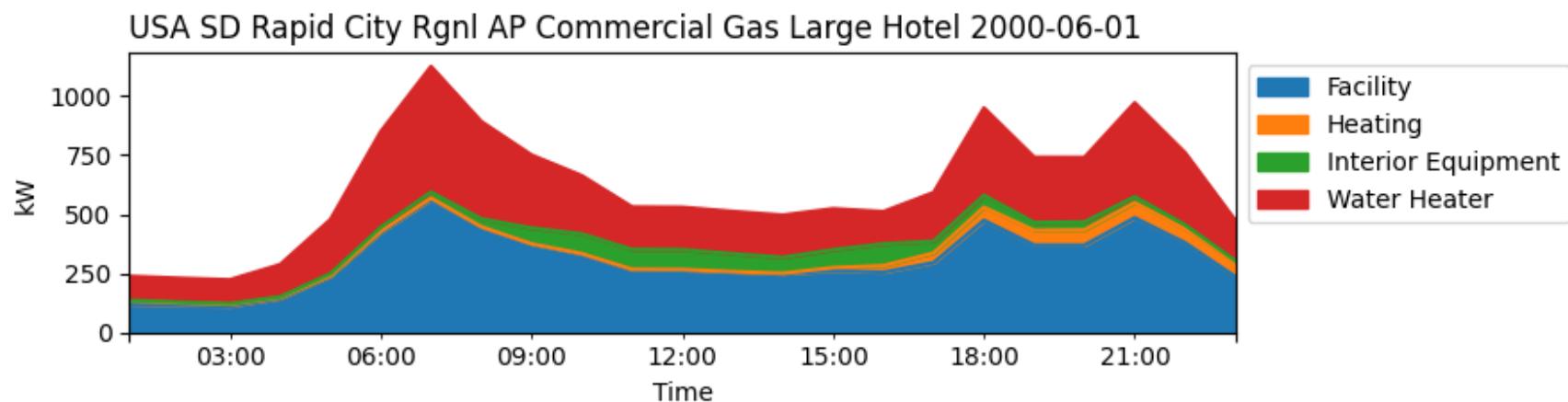


	Facility	Heating	Interior Equipment	Water Heater
mean	385.46	99.47	39.28	246.72
min	84.1	0	3.33	80.7
max	1375.66	690.91	91.8	718.34

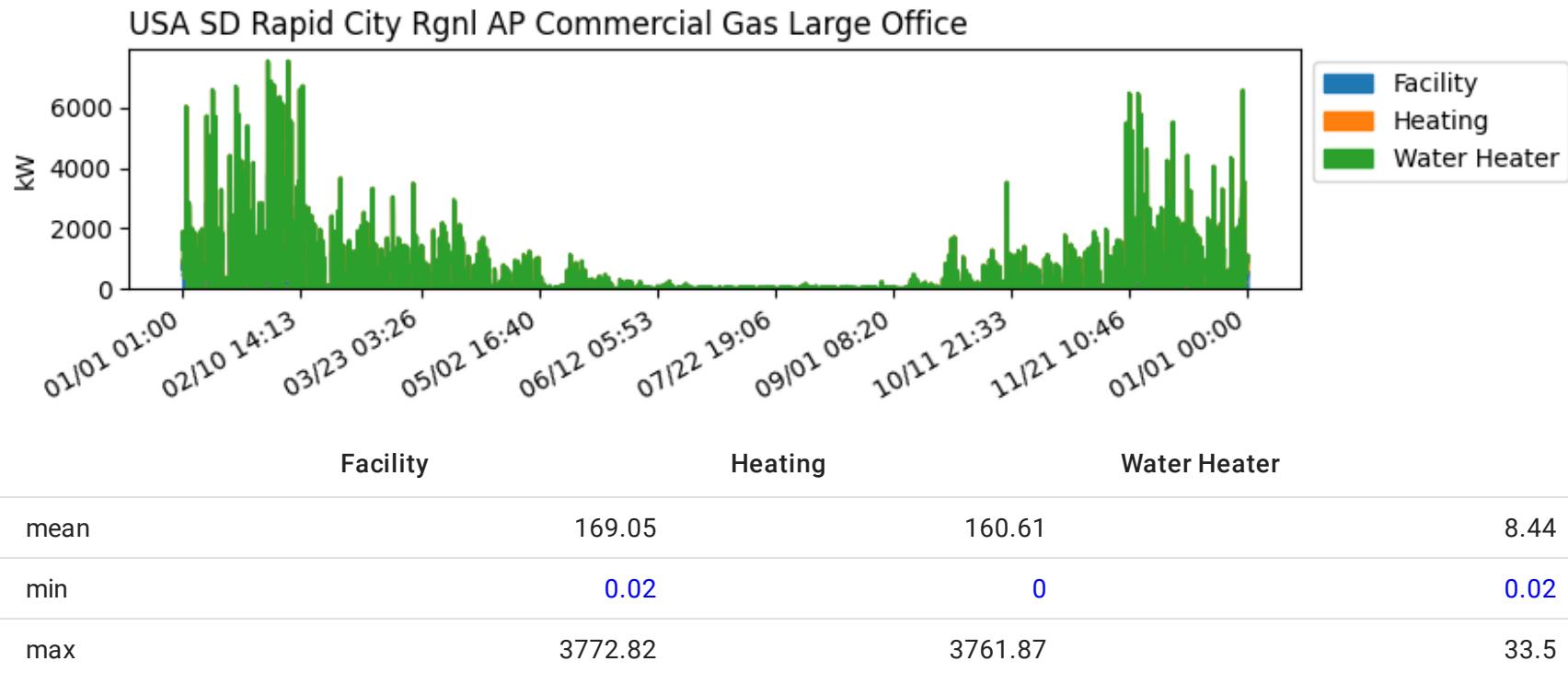
Commercial Gas Large Hotel Winter



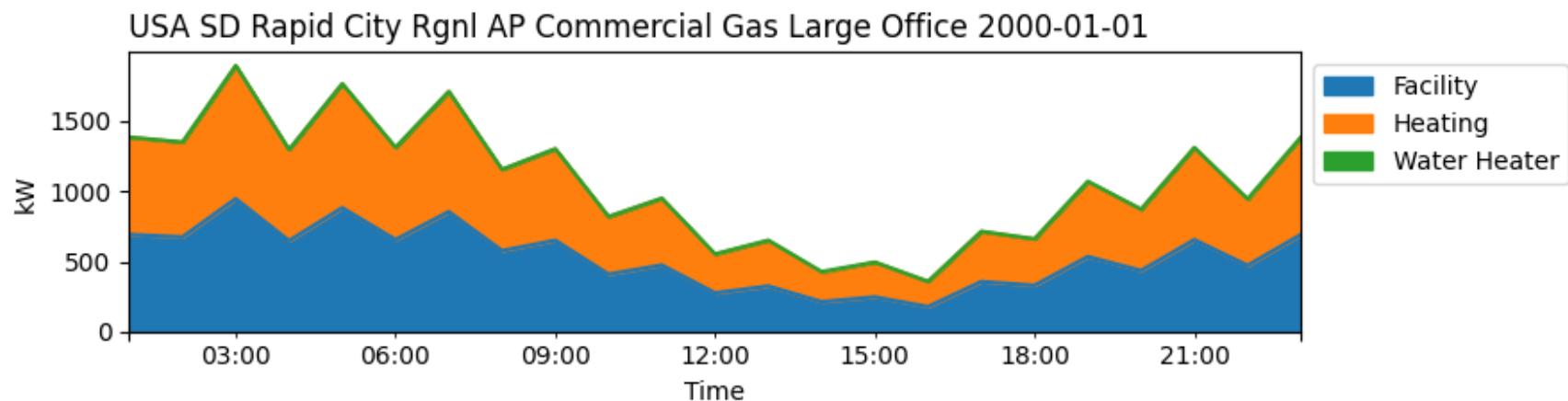
Commercial Gas Large Hotel Summer



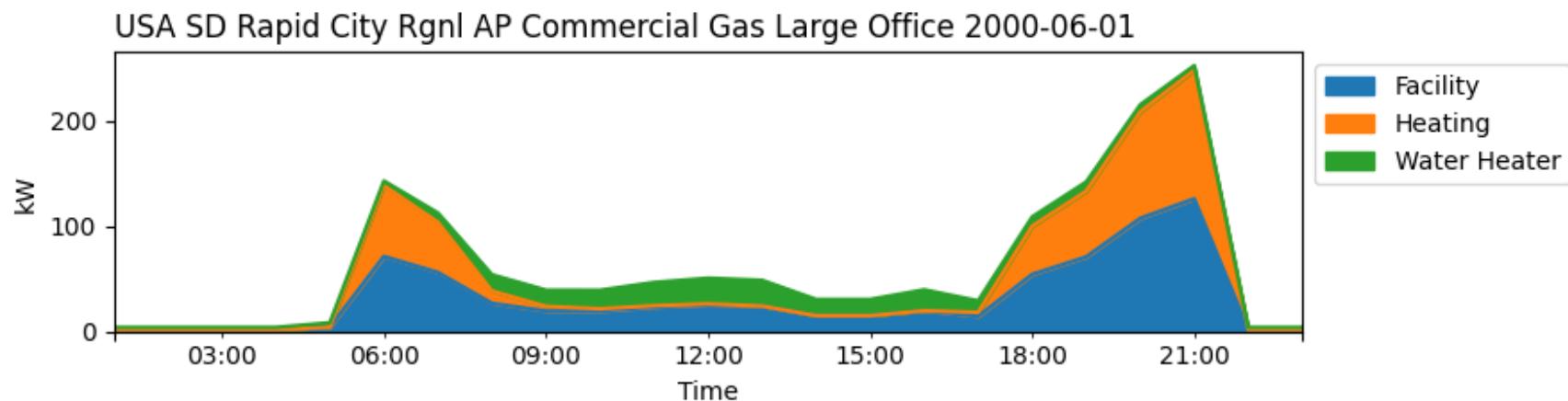
Commercial Gas Large Office



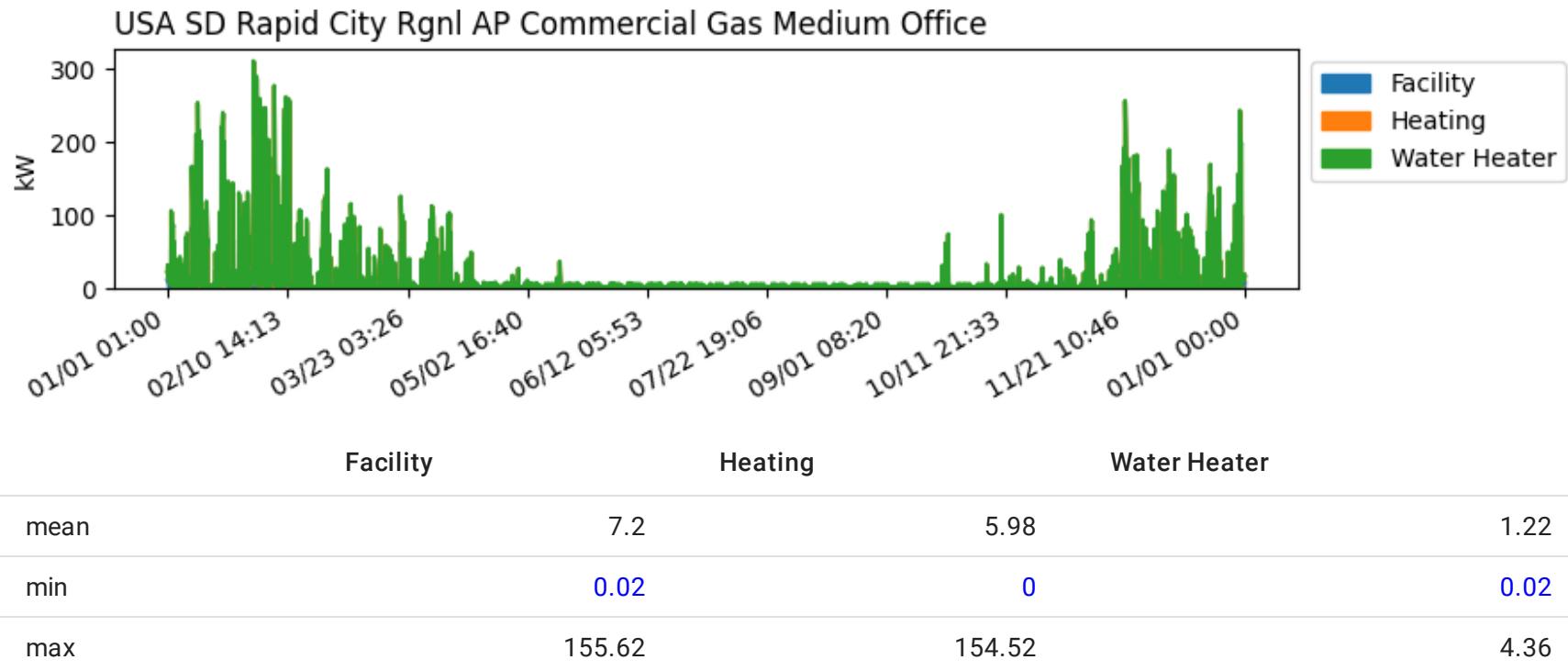
Commercial Gas Large Office Winter



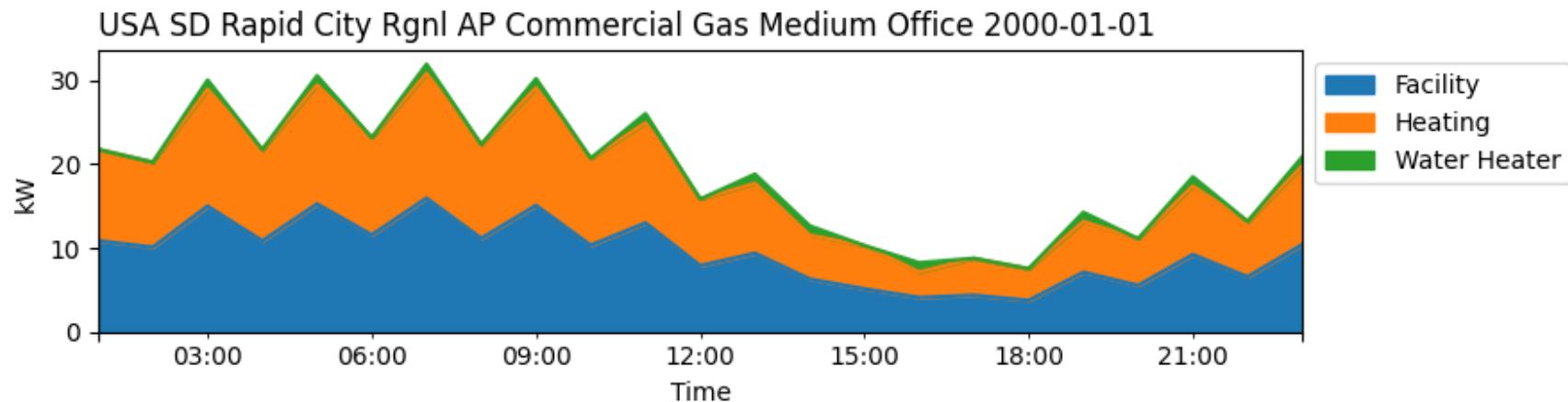
Commercial Gas Large Office Summer



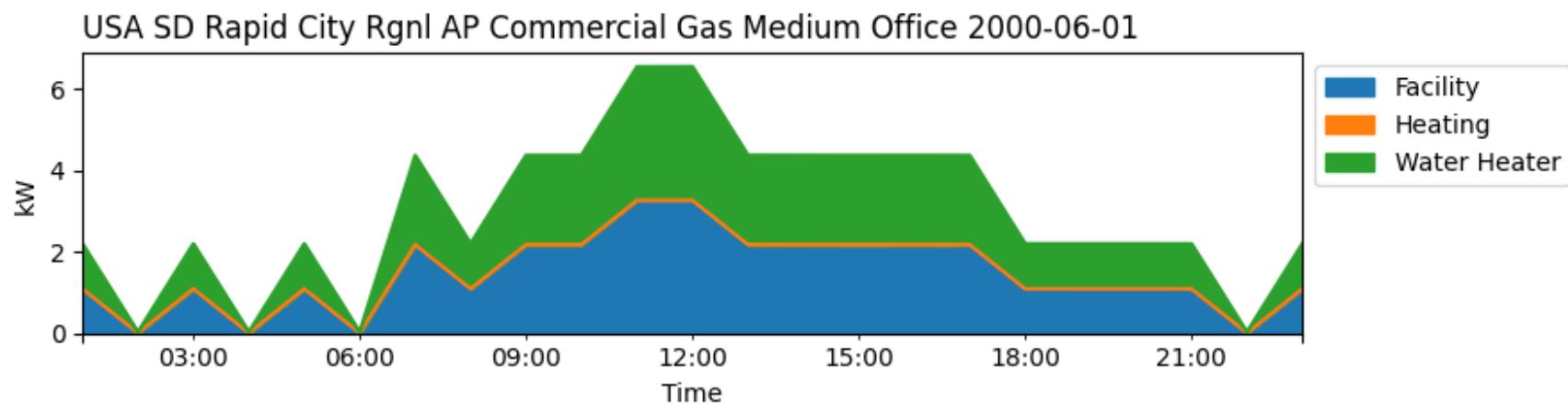
Commercial Gas Medium Office



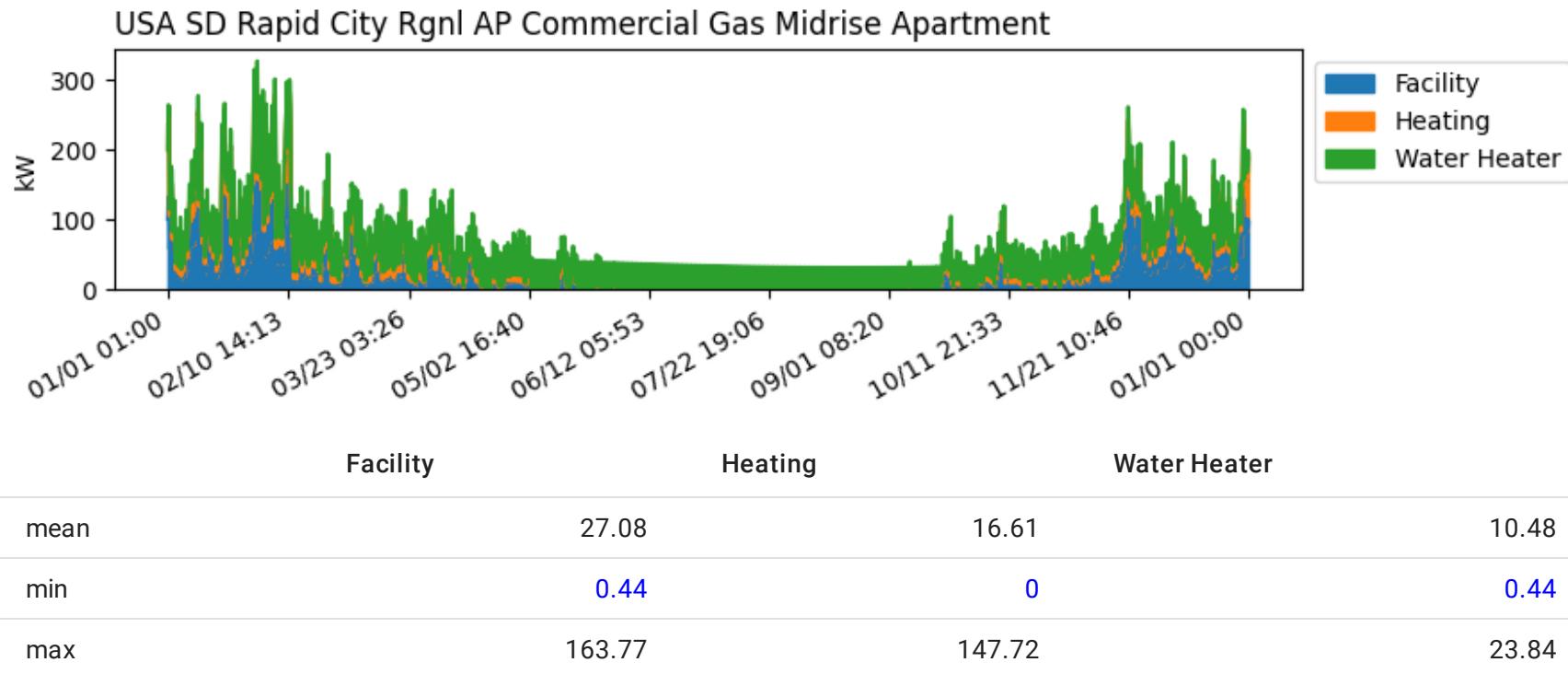
Commercial Gas Medium Office Winter



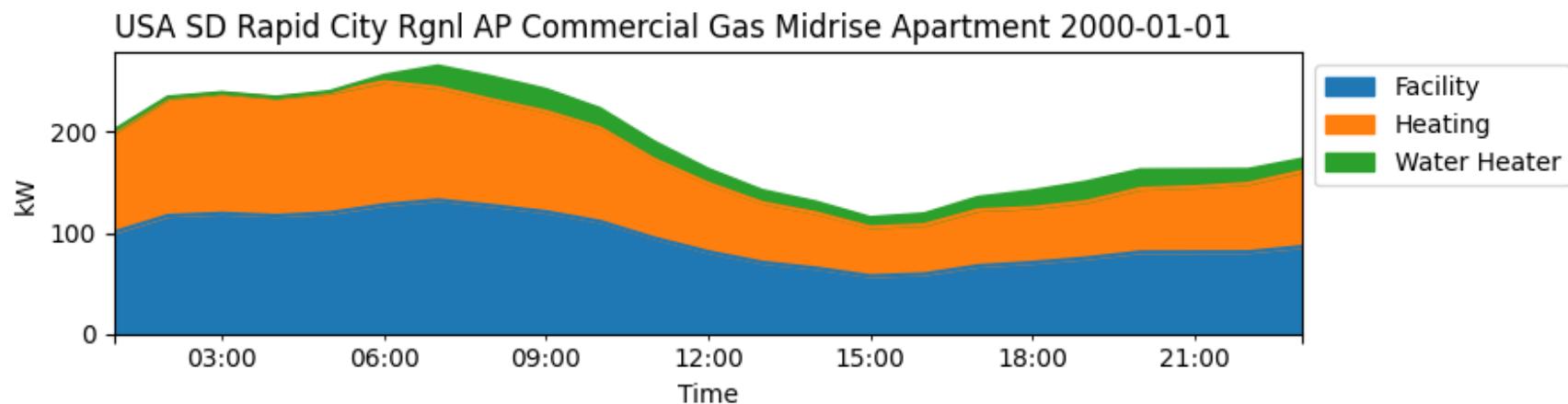
Commercial Gas Medium Office Summer



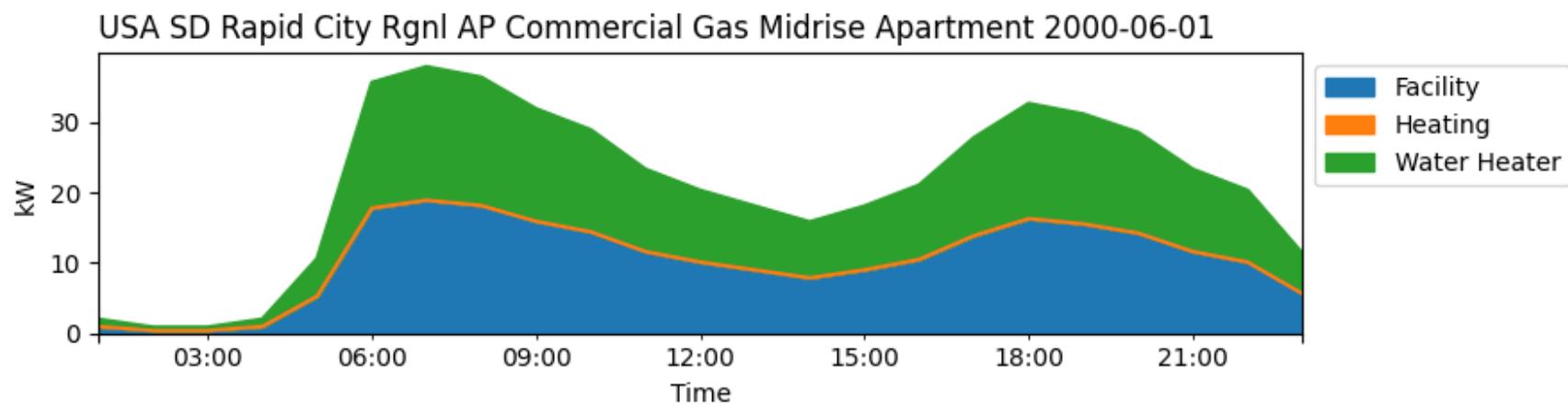
Commercial Gas Midrise Apartment



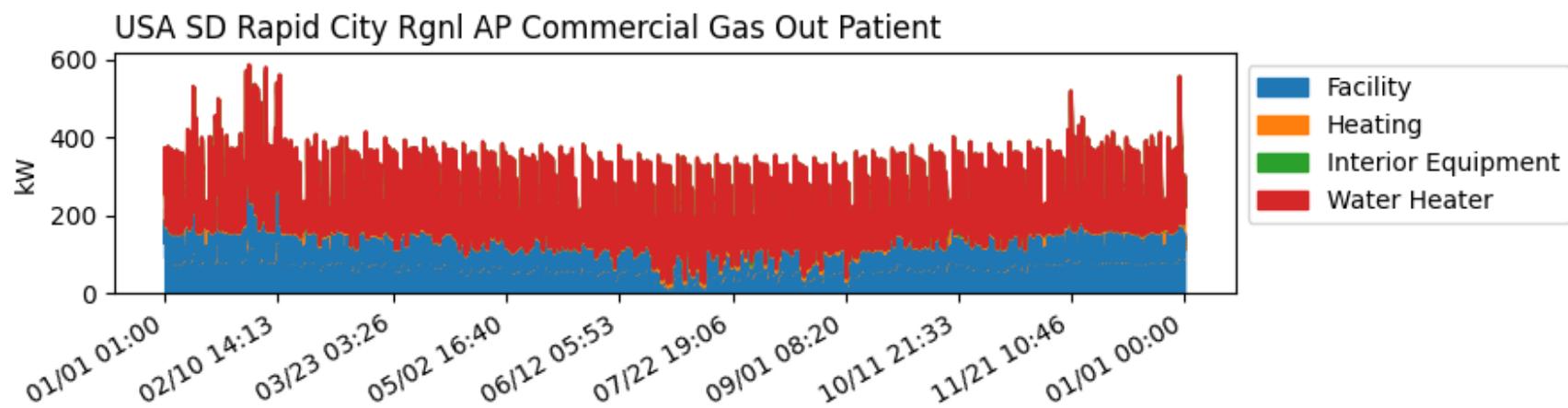
Commercial Gas Midrise Apartment Winter



Commercial Gas Midrise Apartment Summer

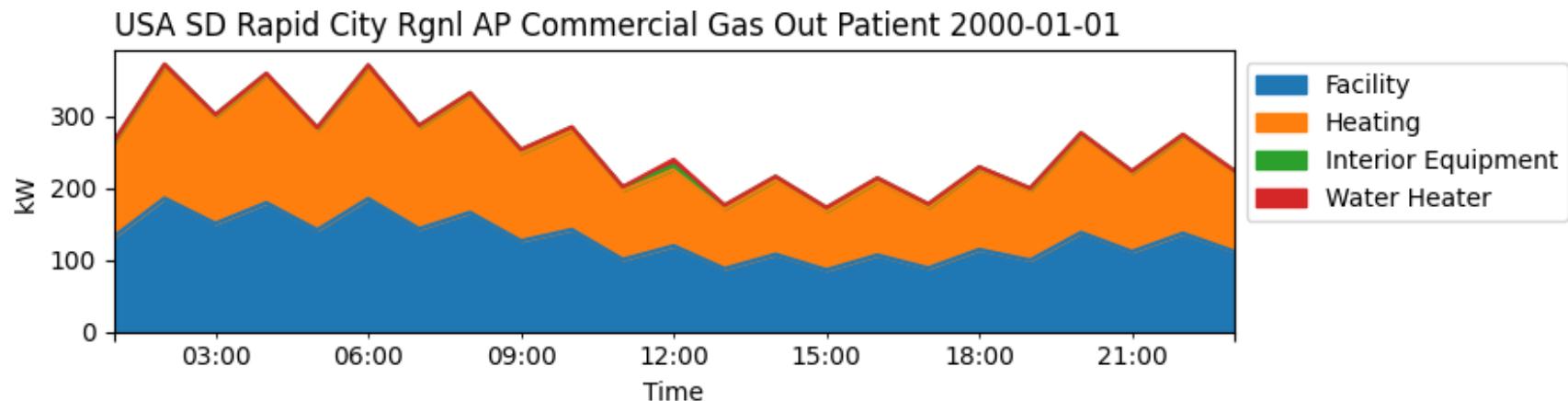


Commercial Gas Out Patient

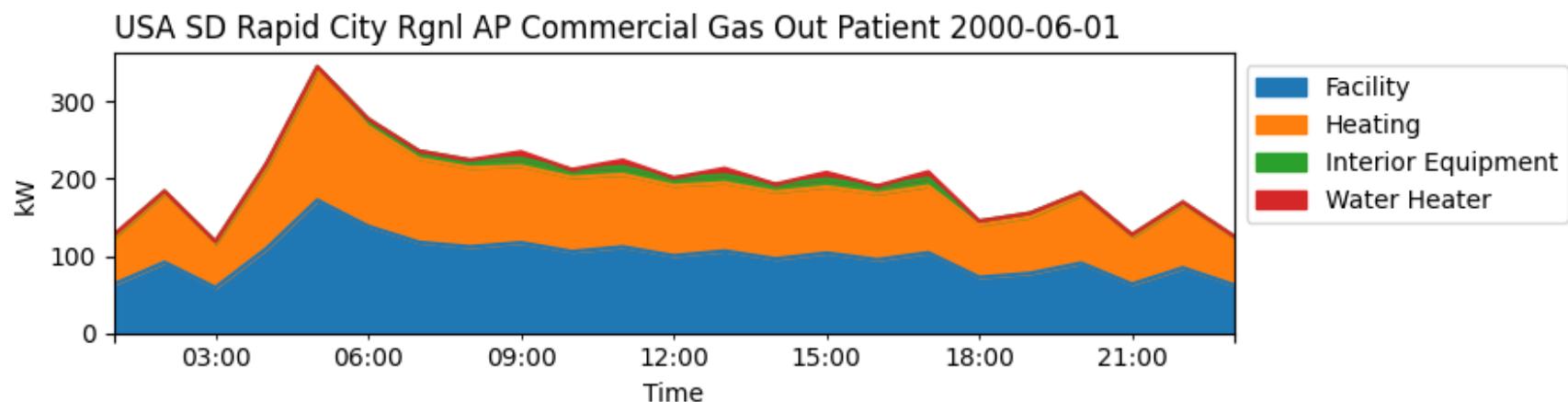


	Facility	Heating	Interior Equipment	Water Heater
mean	104.05	96.5		5.97
min	12.12	2.2		0.02
max	292.78	275.34		8.65

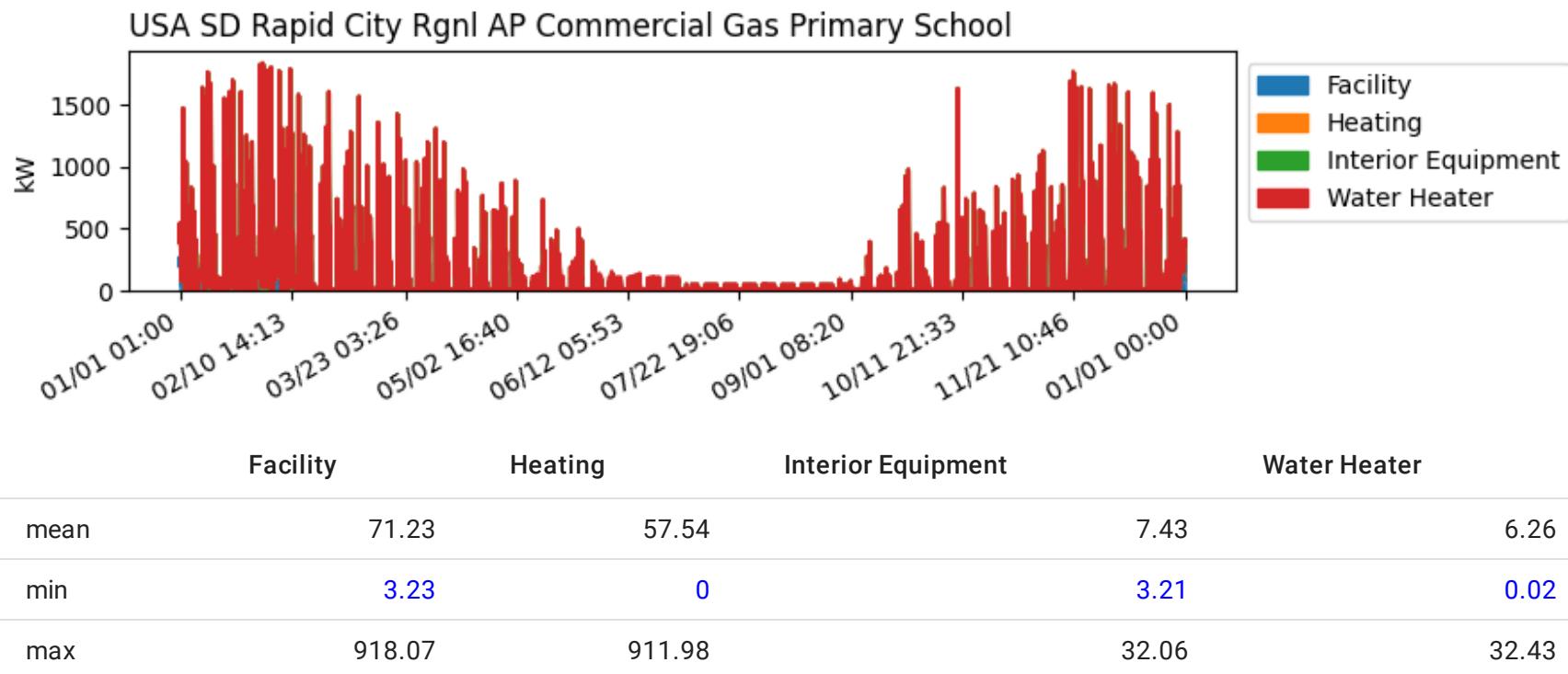
Commercial Gas Out Patient Winter



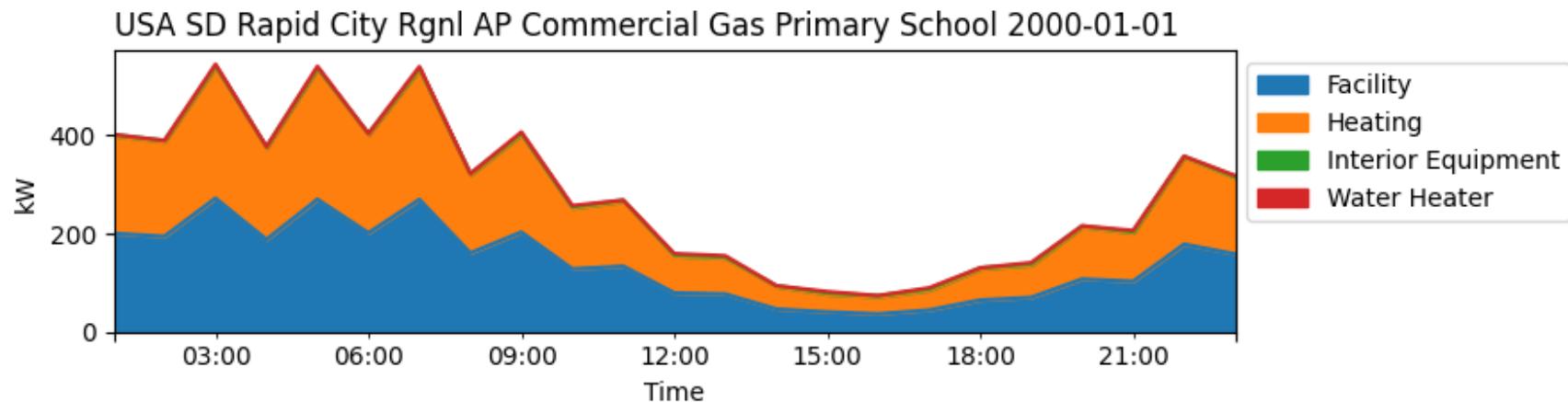
Commercial Gas Out Patient Summer



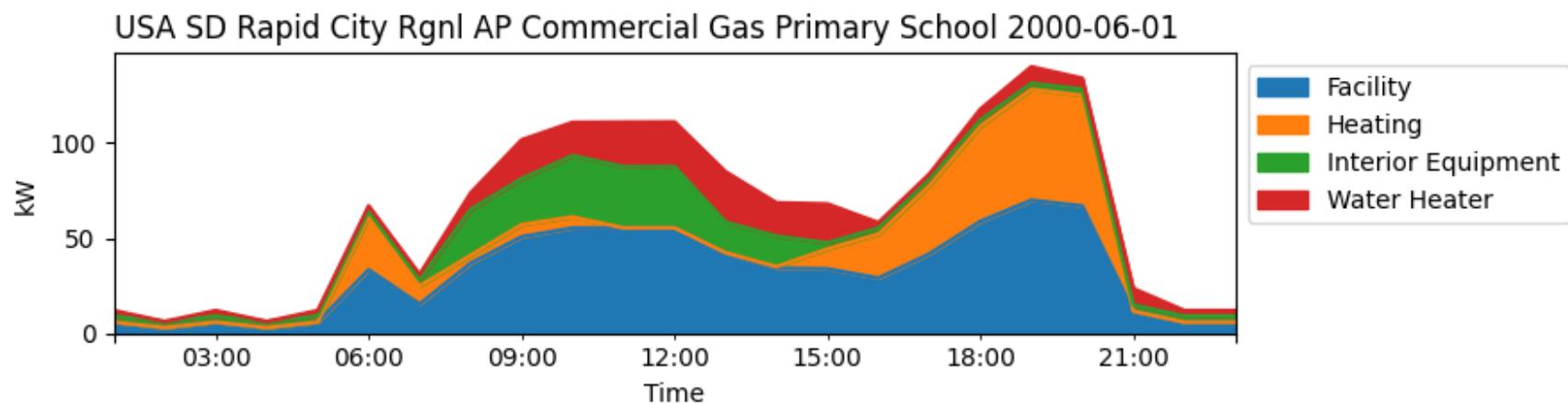
Commercial Gas Primary School



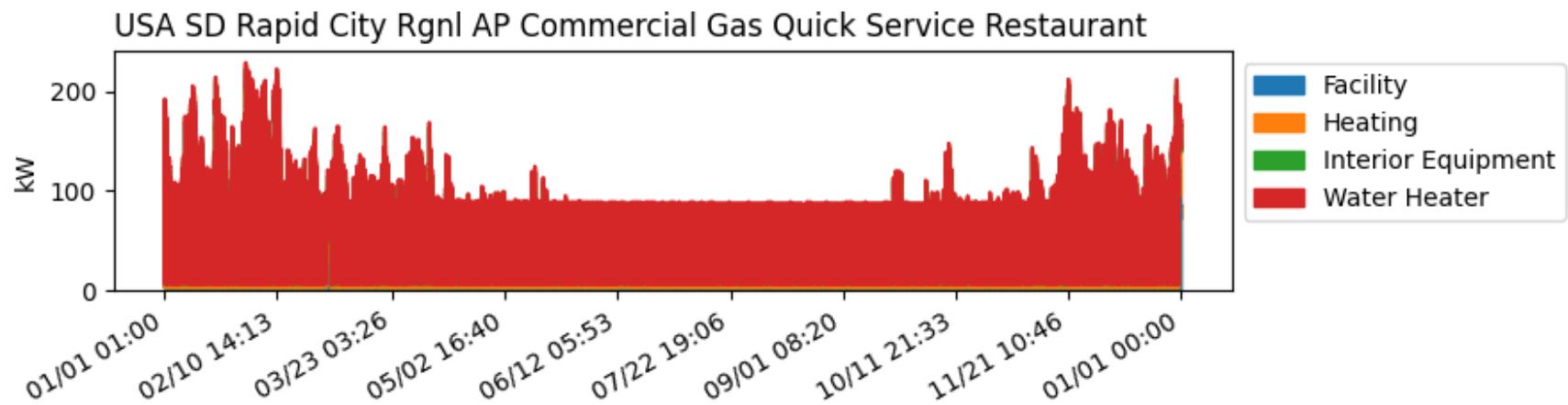
Commercial Gas Primary School Winter



Commercial Gas Primary School Summer

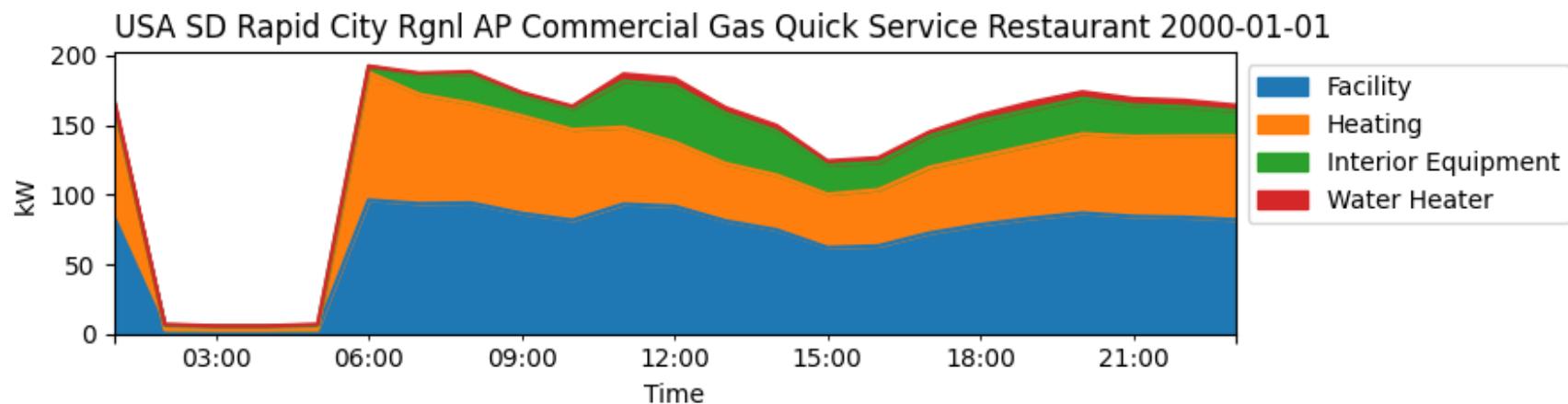


Commercial Gas Quick Service Restaurant

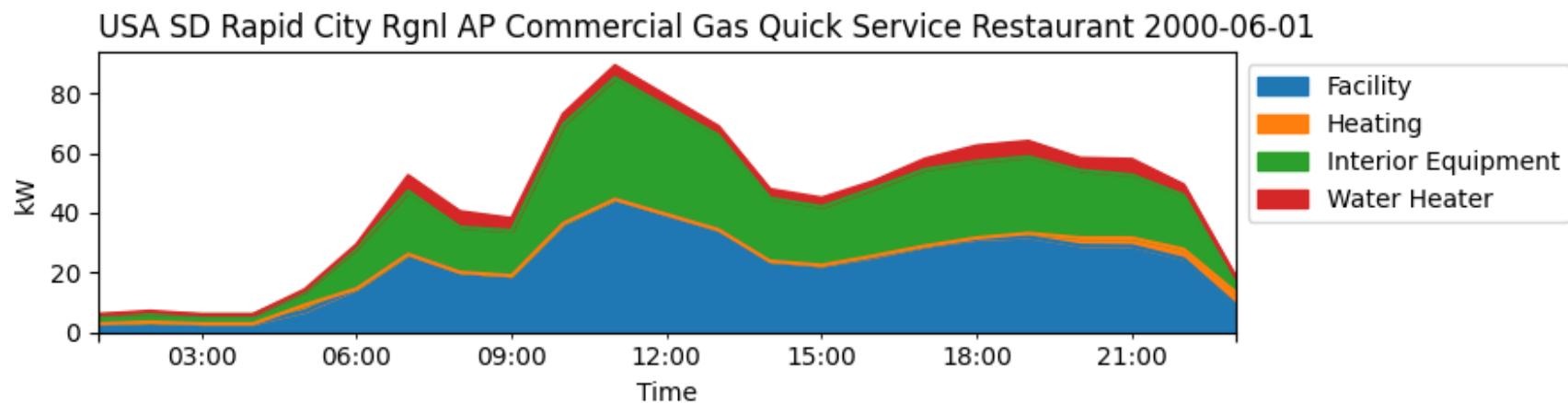


	Facility	Heating	Interior Equipment	Water Heater
mean	33.53	12.73	17.88	2.92
min	3.02	0	3	0.02
max	114.51	102.78	40.51	6.35

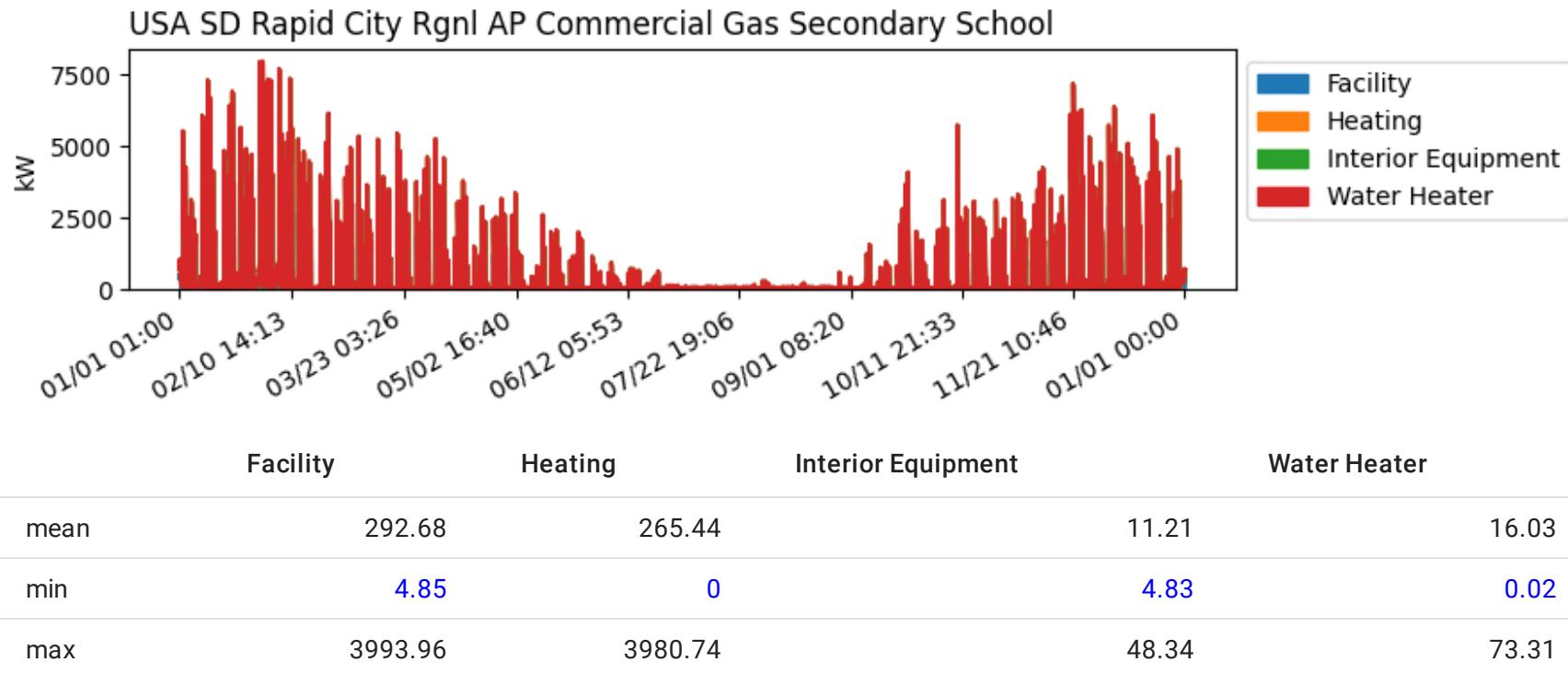
Commercial Gas Quick Service Restaurant Winter



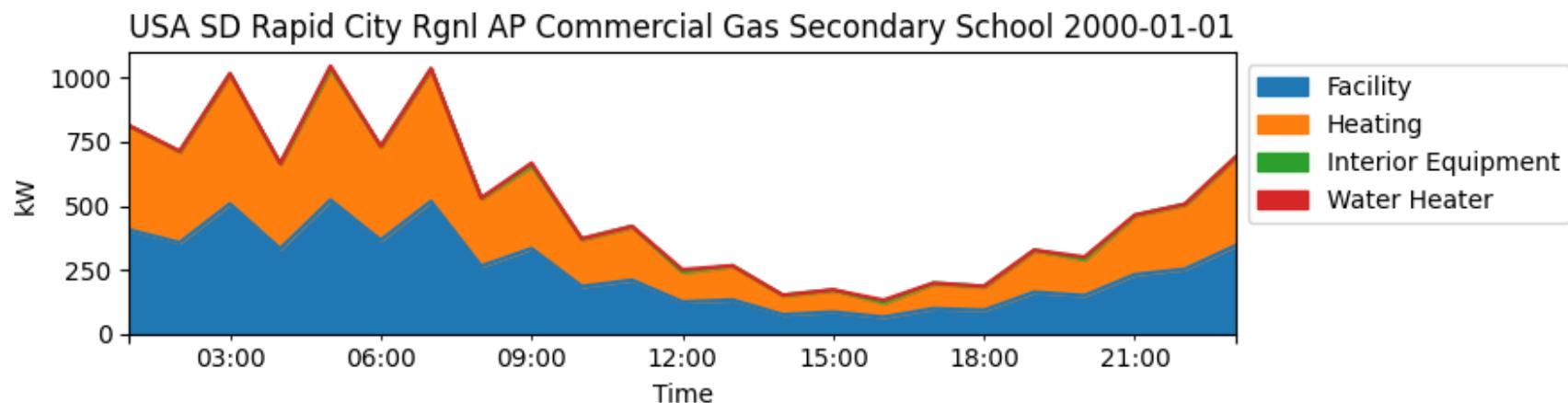
Commercial Gas Quick Service Restaurant Summer



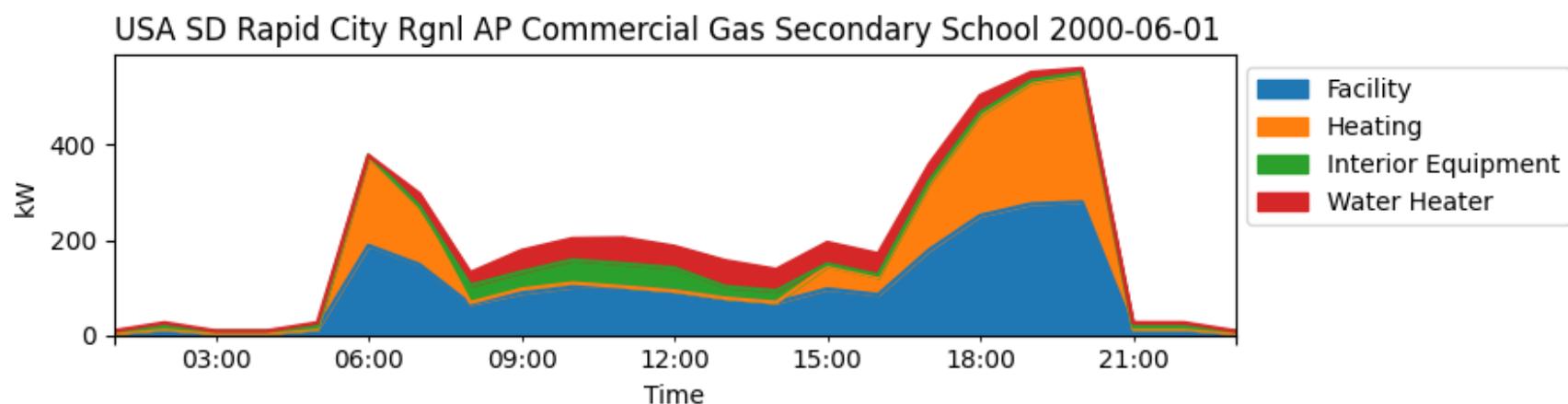
Commercial Gas Secondary School



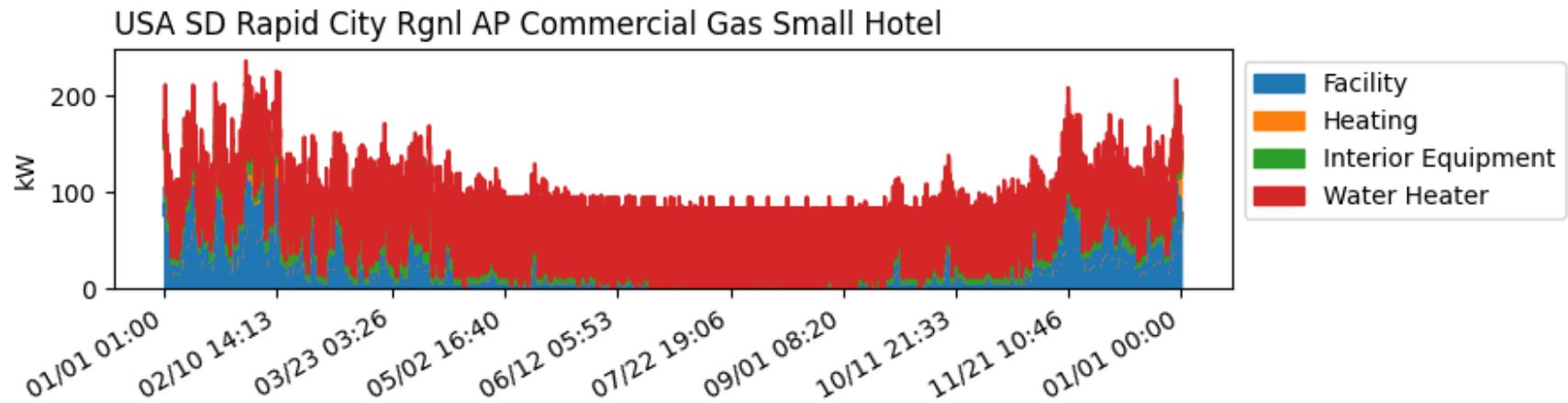
Commercial Gas Secondary School Winter



Commercial Gas Secondary School Summer

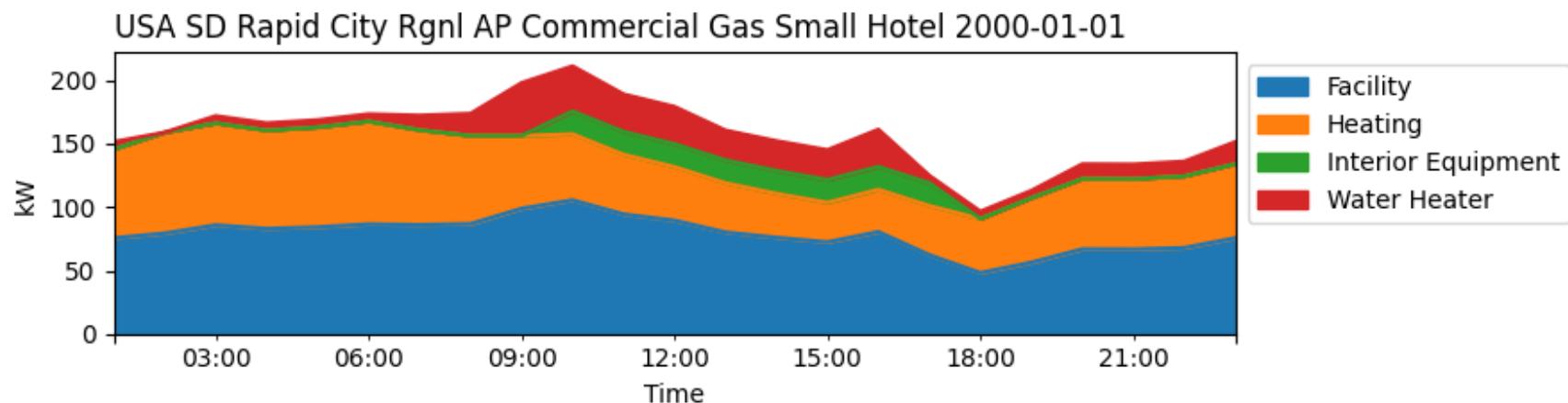


Commercial Gas Small Hotel

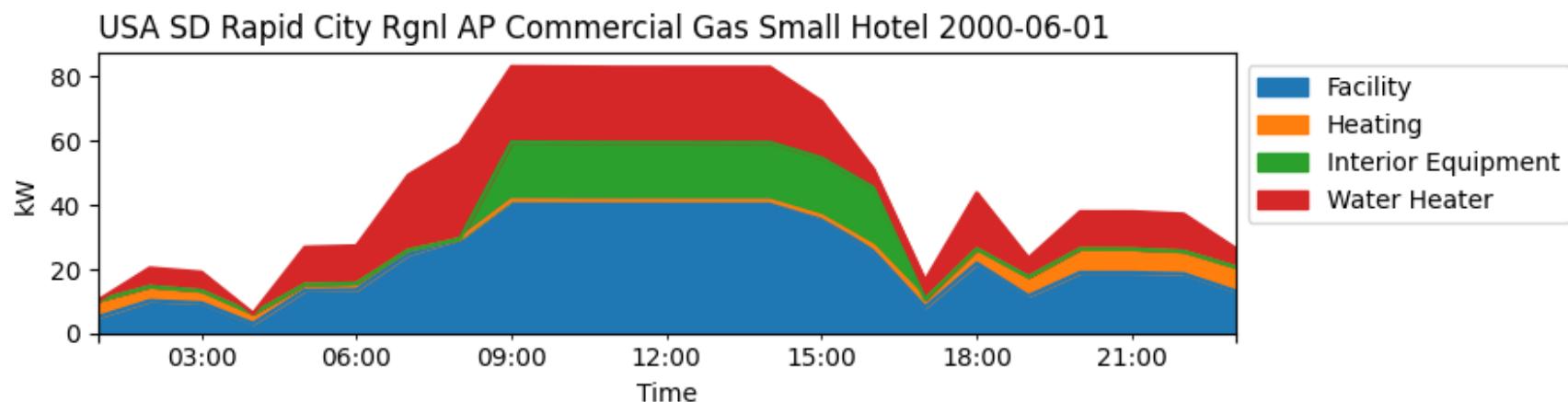


	Facility	Heating	Interior Equipment	Water Heater
mean	35.24	15.08	6.01	14.15
min	0.02	0	0	0.02
max	117.92	93.74	18.02	47.75

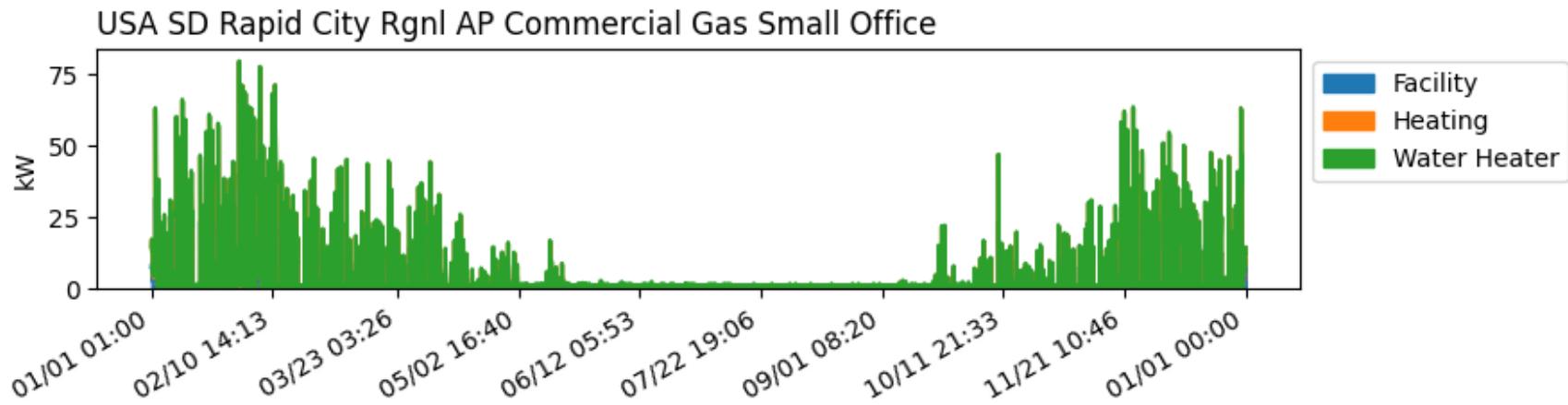
Commercial Gas Small Hotel Winter



Commercial Gas Small Hotel Summer

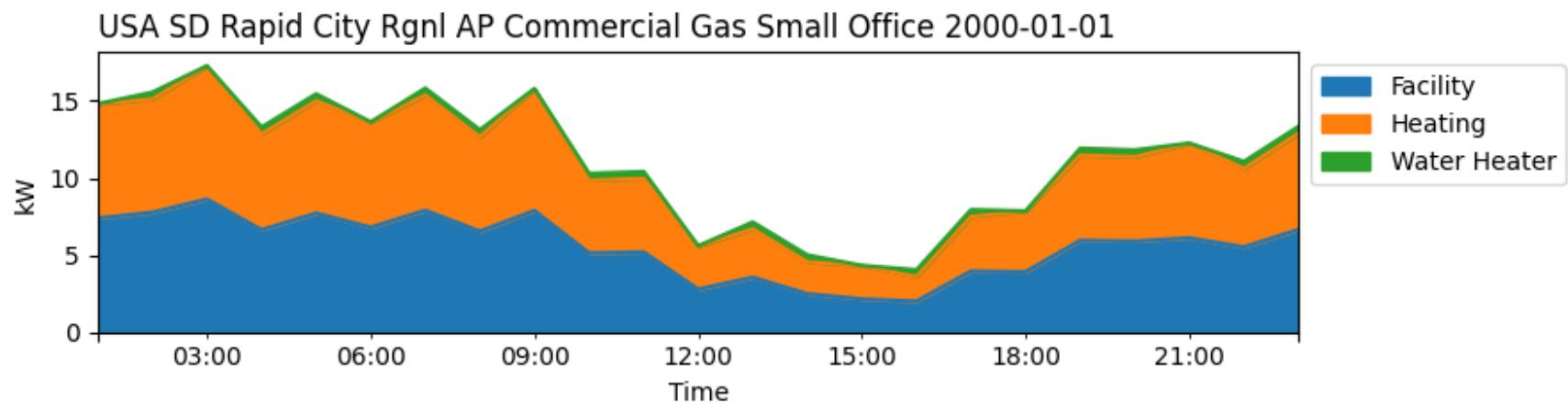


Commercial Gas Small Office

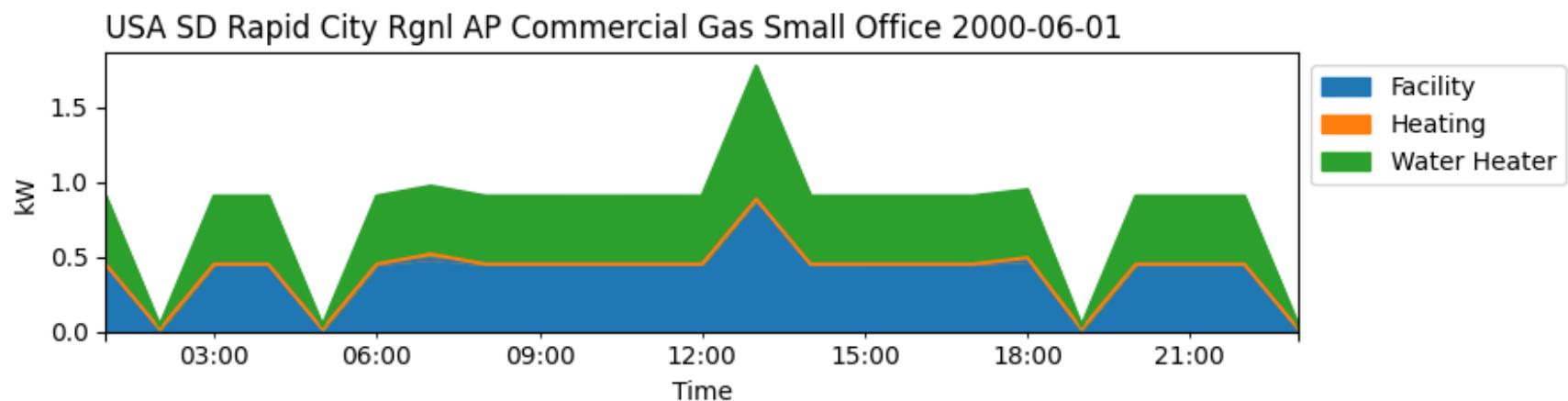


	Facility	Heating	Water Heater
mean	2.35	1.97	0.37
min	0.02	0	0.02
max	39.92	39.46	0.89

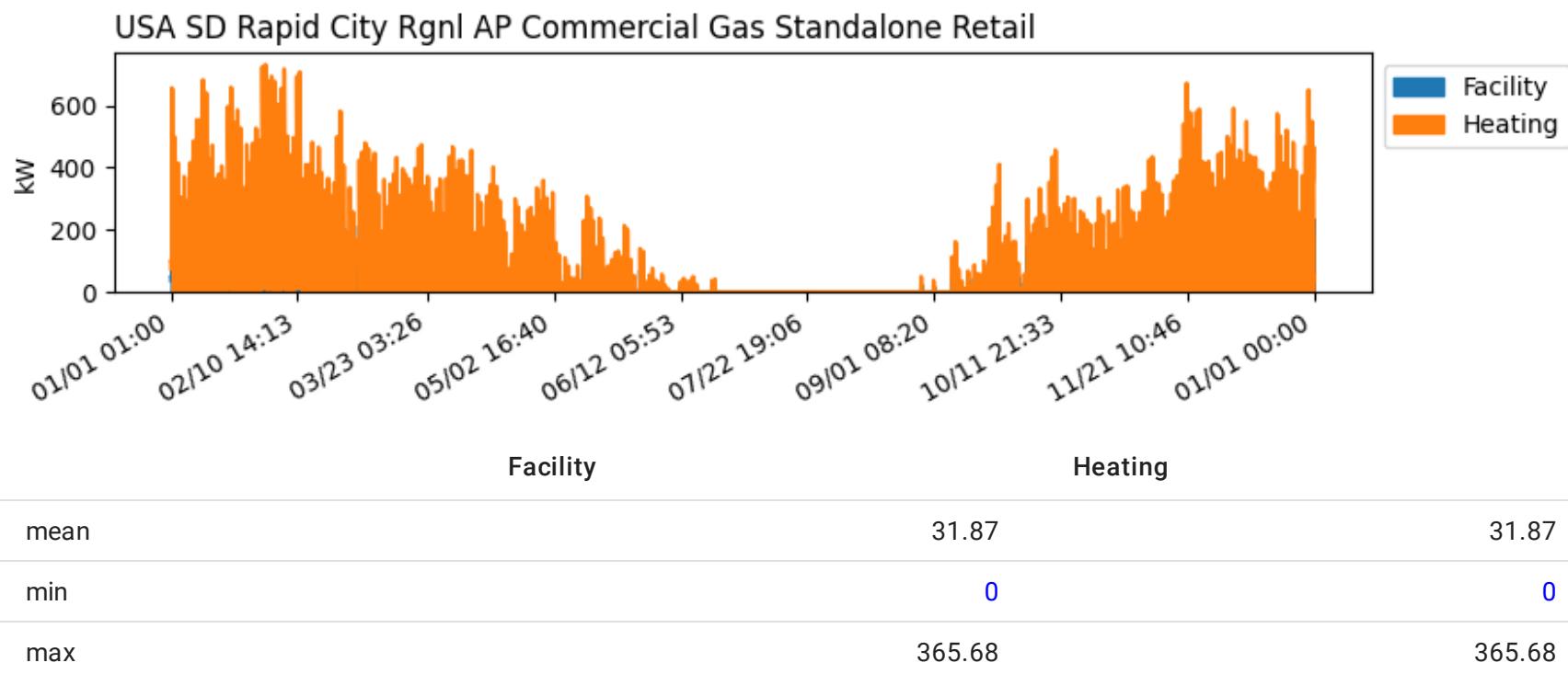
Commercial Gas Small Office Winter



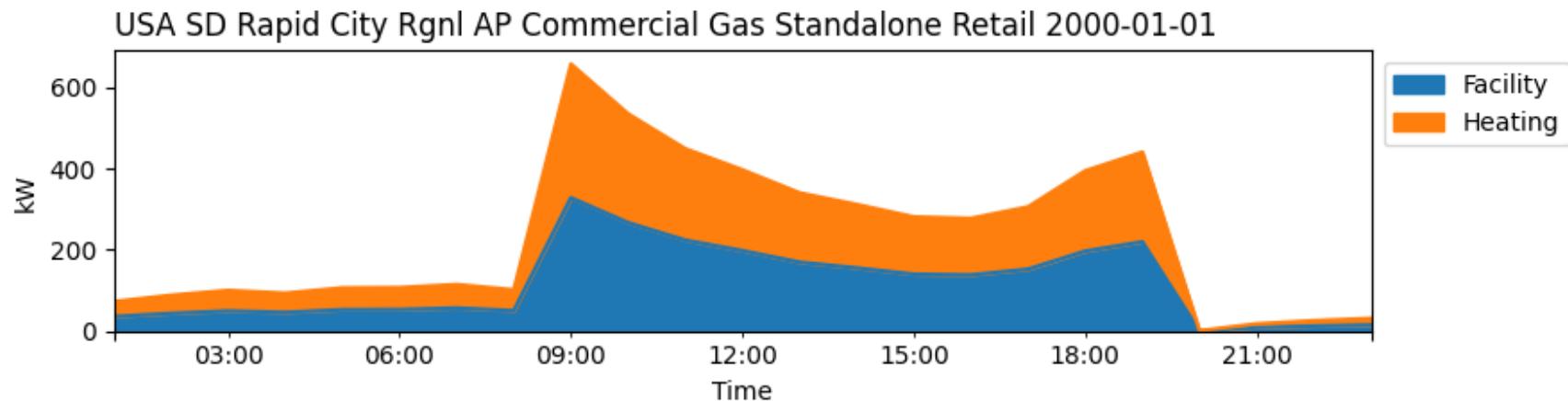
Commercial Gas Small Office Summer



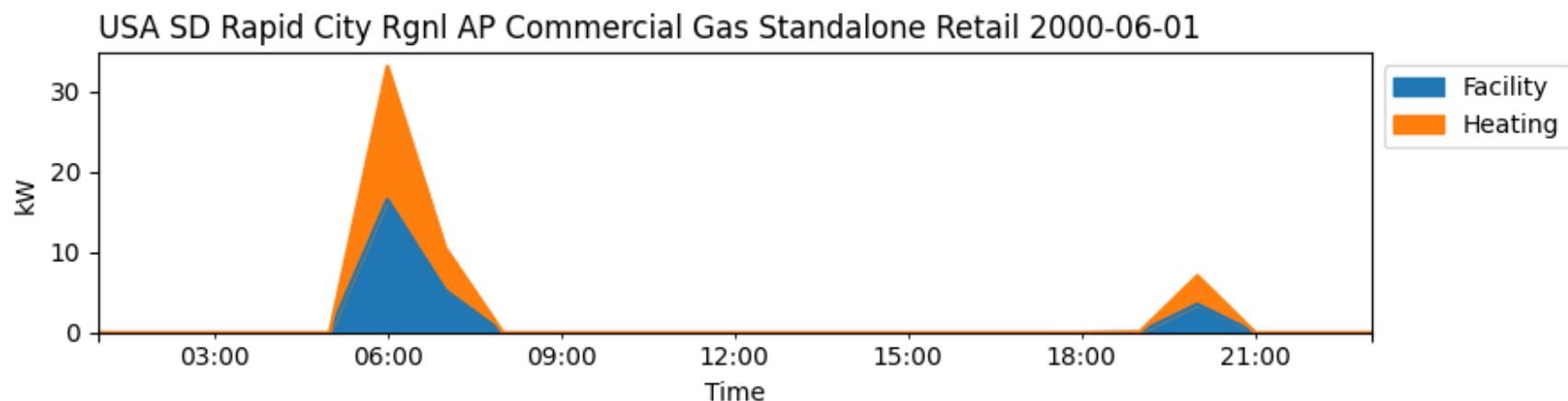
Commercial Gas Standalone Retail



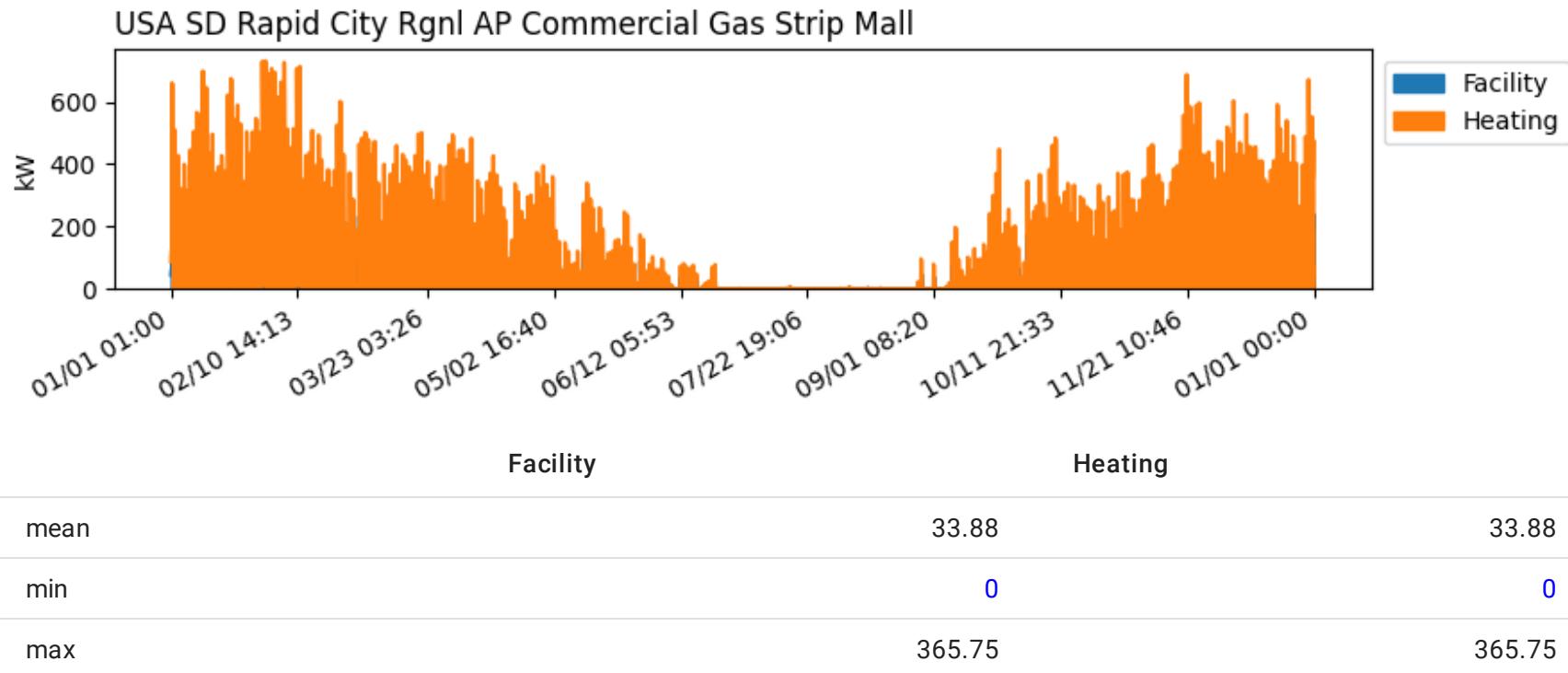
Commercial Gas Standalone Retail Winter



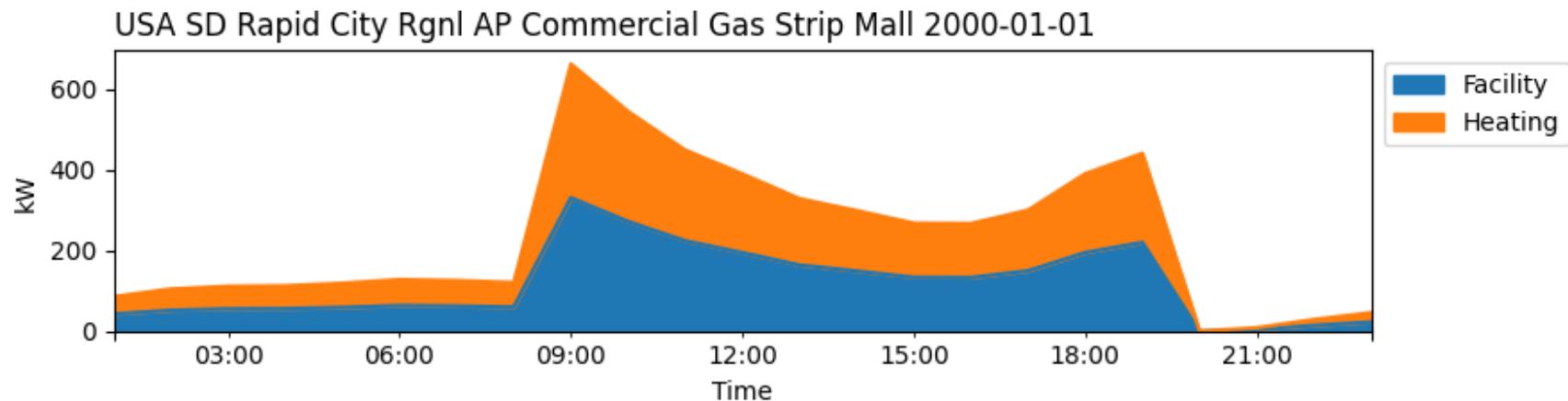
Commercial Gas Standalone Retail Summer



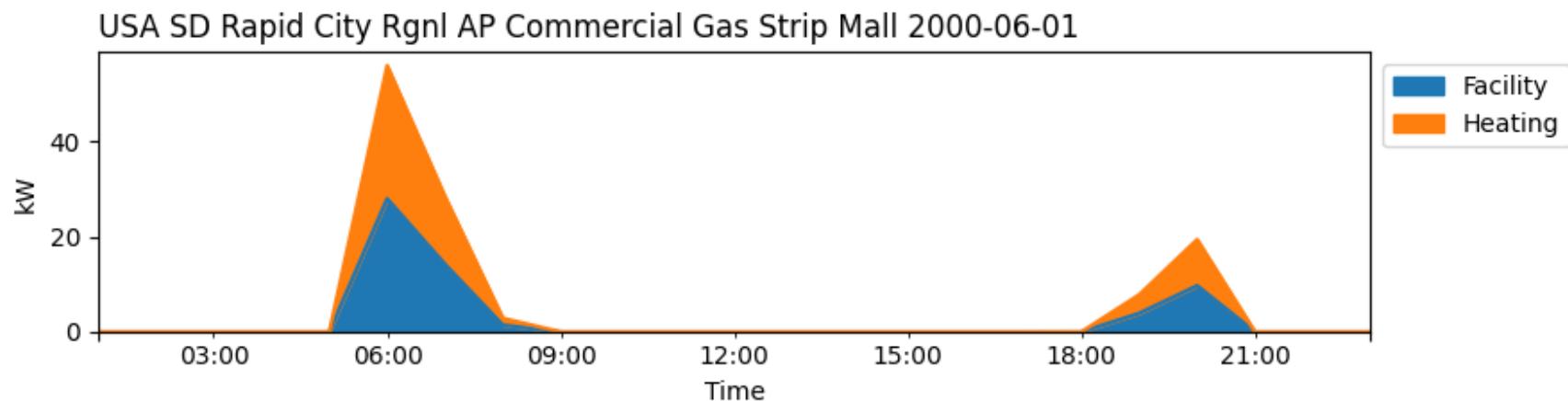
Commercial Gas Strip Mall



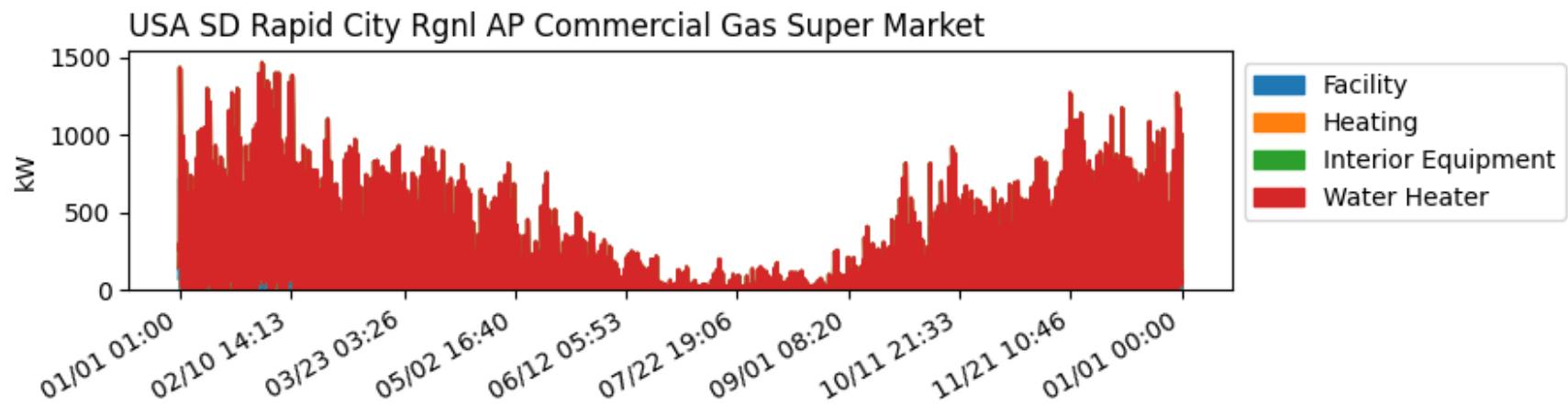
Commercial Gas Strip Mall Winter



Commercial Gas Strip Mall Summer

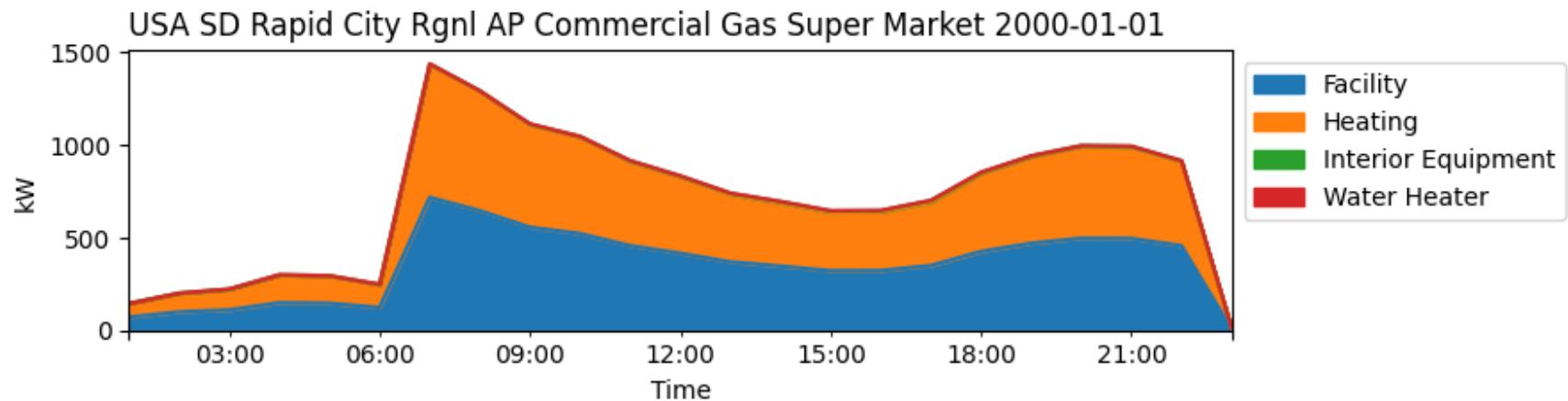


Commercial Gas Super Market

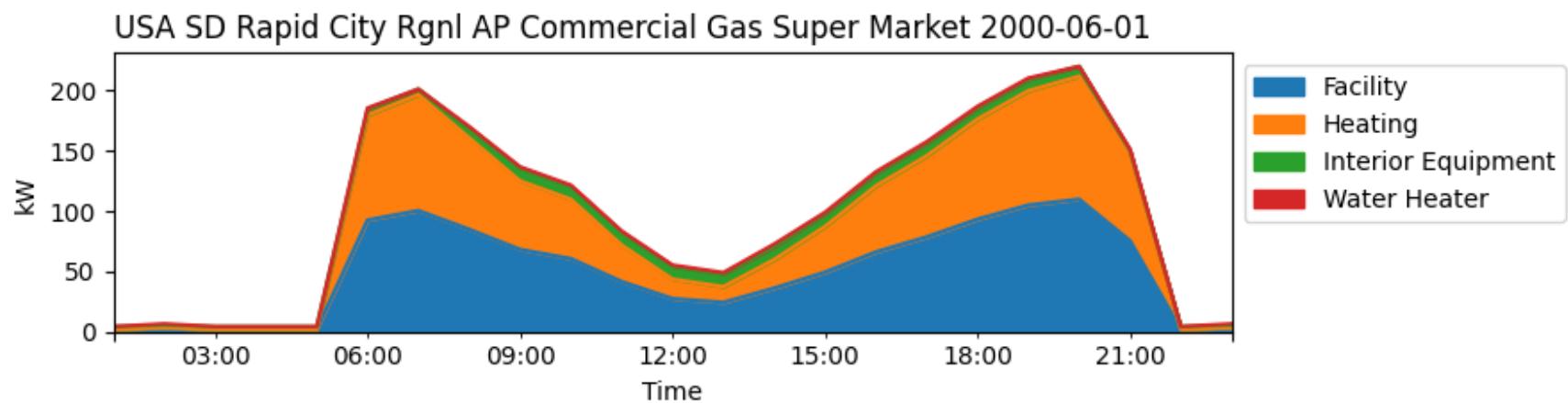


	Facility	Heating	Interior Equipment	Water Heater
mean	109.74	102.59		6.31
min	1.77	0		0.02
max	734.36	729.67		10.51

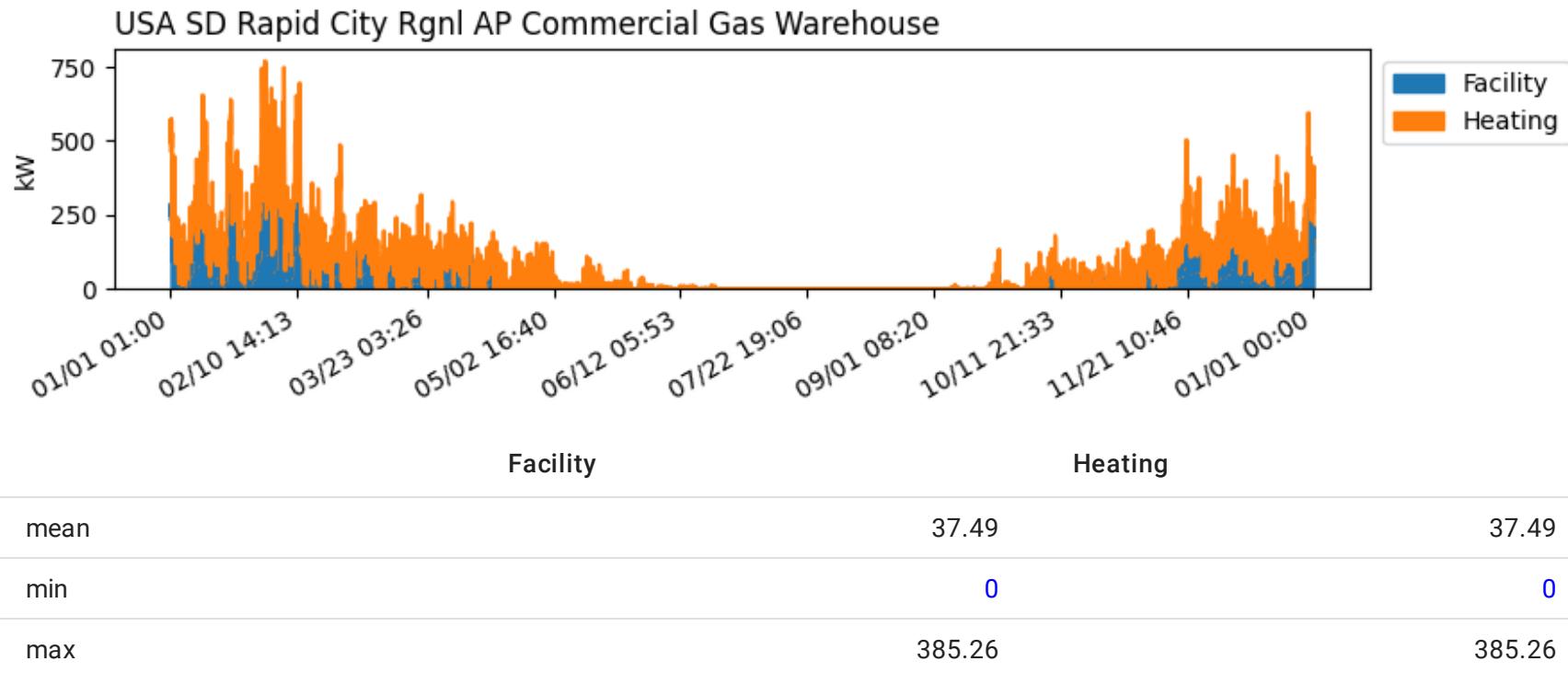
Commercial Gas Super Market Winter



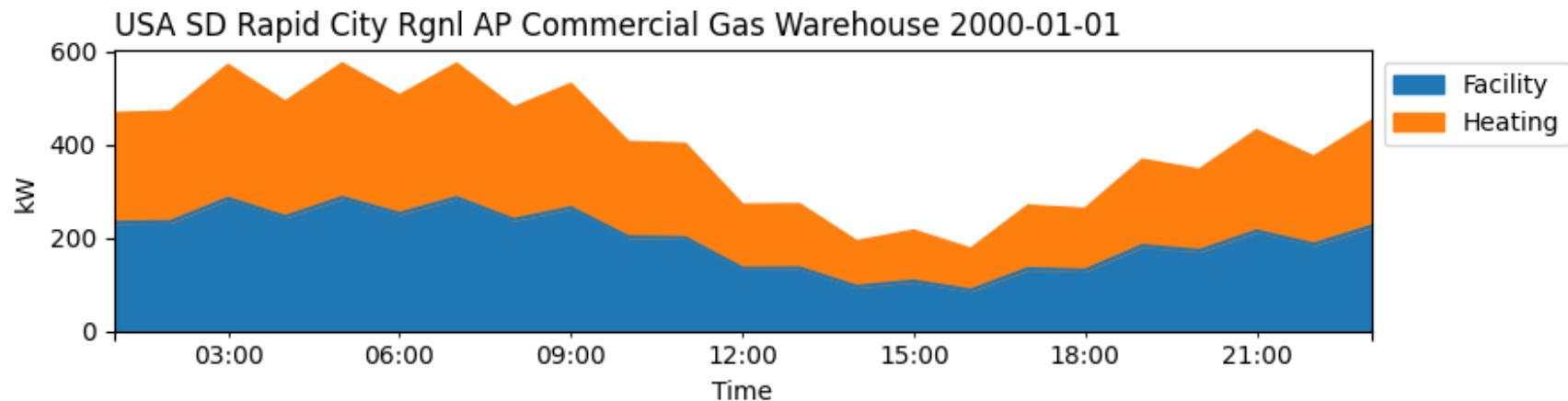
Commercial Gas Super Market Summer



Commercial Gas Warehouse



Commercial Gas Warehouse Winter



Commercial Gas Warehouse Summer

