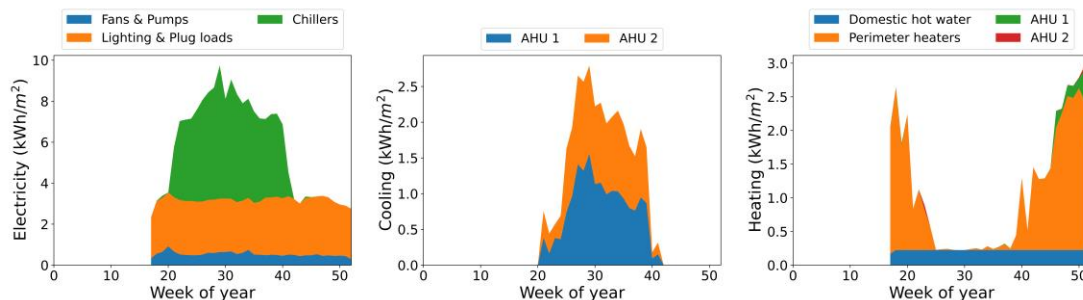


End-use Disaggregation - Analysis Report

The end-use disaggregation function calculates **annual energy use intensities of major end-uses**. The major end-uses for electricity are lighting and plug-loads, distribution (i.e., pumps and fans), and chillers. The major end-uses for heating energy use are perimeter heating, the AHUs' heating coils, and other appliances (i.e., domestic hot water). The major end-use for cooling energy use are the AHUs' cooling coils. This function can help assess the distribution of energy consumption within a building and can be used to identify abnormal energy use patterns.

Visualizations

The visuals plot energy use intensity profiles which depict the weekly distribution of the major end-uses for electricity, cooling, and heating separately.



Key performance Indicators

This section presents the generated KPIs - **energy use intensities for major end-uses in heating energy, cooling energy, and electricity use**. The calculated energy use intensities for the AHU heating and cooling coils are disaggregated by each AHU. For example, if three (3) AHUs were analyzed, the energy use intensities for the AHU heating coils is provided as [NUM NUM NUM], whereby 'NUM' represents the calculated energy use intensities for each consecutive AHU.

Heating energy

End-use	Annual space heating load intensity (kWh/m ²)
Perimeter heating	32
Heating coils (per AHU)	[2 0]
Other	8

Cooling energy

End-use	Annual space cooling load intensity (kWh/m ²)
Cooling coils (per AHU)	[17 17]

Electricity

End-use	Annual electricity use intensity (kWh/m ²)
Fans & pumps	19
Lighting & plug loads	96
Chillers	92