

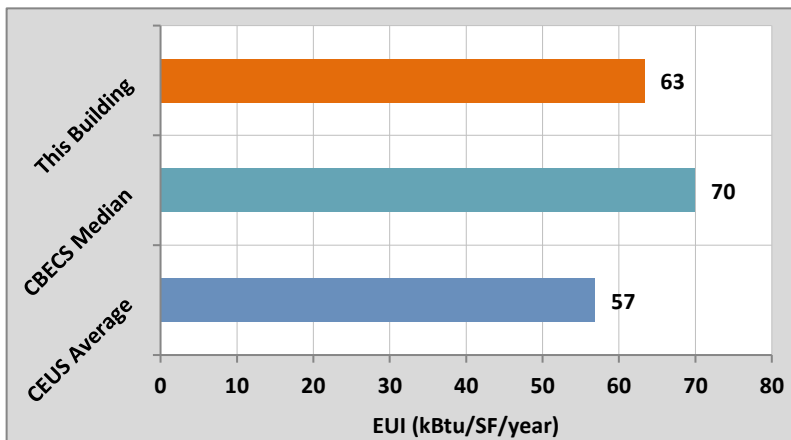
Building Summary

Building	Sample Office Building
Location	Newark, New Jersey
Size	80,000 SF
Type	Office

Reference Year Data

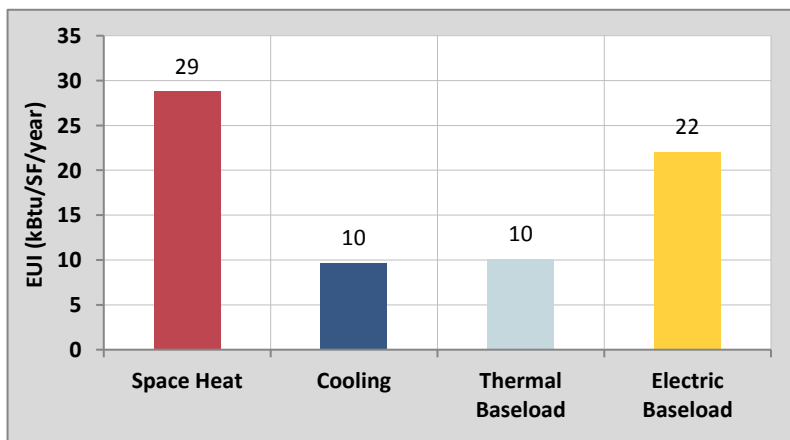
	From	To
Electric	Jan 2015	Jan 2016
Gas	Jan 2015	Jan 2016
Chill. Wtr.	No CHW in this building	
Geotherm.	No GEO in this building	

Annual EUI Comparison



The Annual Energy Use Index (EUI) comparison shows the total energy use of the building during the reference year compared to the median nationwide and average California energy use for Other buildings as reported by CBECs* and CEUS,** respectively.

Energy Consumption by End Use

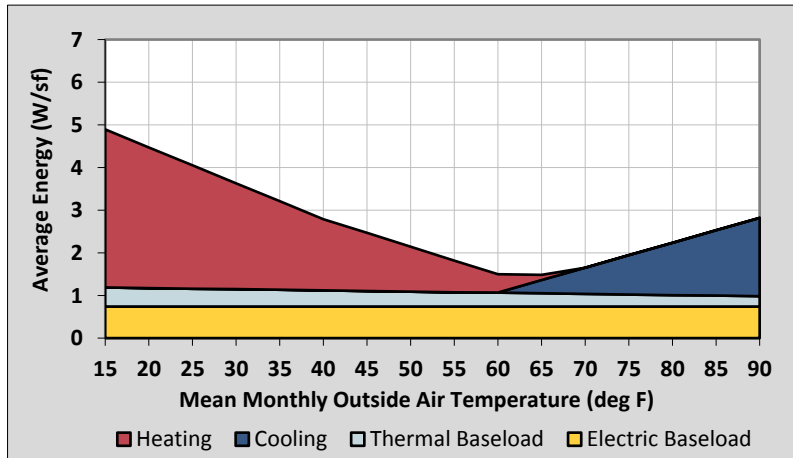


This bar chart shows the approximate weather-normalized annual usage in each end use category, expressed as an End Use Intensity (EUI) in kBTU/SF.

* The [Commercial Building Energy Consumption Survey \(CBECS\)](#), published in 2003, is commonly used to represent the energy use of typical existing building stock in the United States.

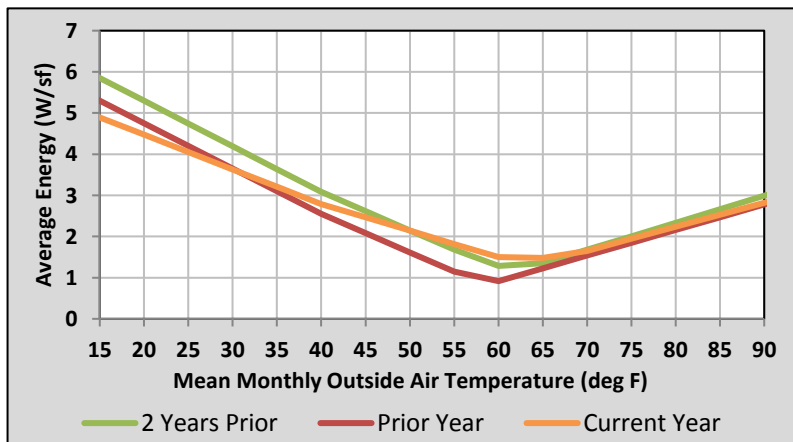
** The [California Commercial End Use Survey \(CEUS\)](#), published in 2006, is a survey of energy use in existing building stock in California.

Consumption by End Use Energy Signature



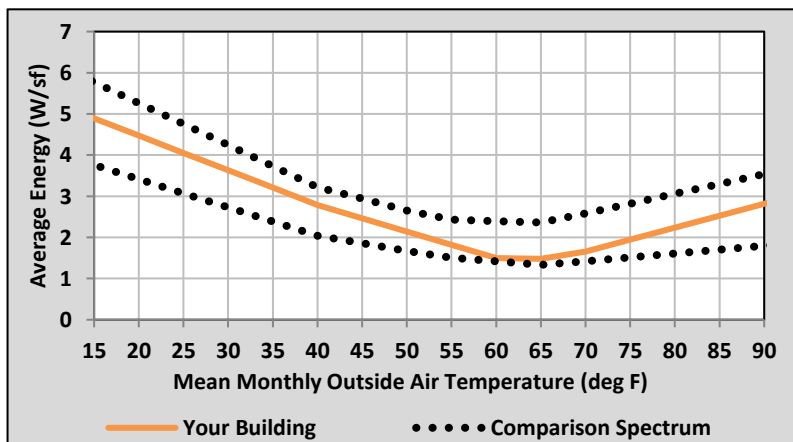
The Consumption By End Use Energy Signature shows the total energy use split into four end use categories: heating (electric, gas, and/or steam), cooling, electric baseload (e.g. plugs, lights, and equipment), and thermal baseload (e.g. gas or steam used for water heating). This plot shows cumulative energy use at a range of outside temperatures and can offer insights into building consumption patterns. [Click here to learn more.](#)

Trending Analysis



The Trending Analysis plot shows the building's energy signatures over the past few years. This is the only plot that uses energy data outside of the reference year.

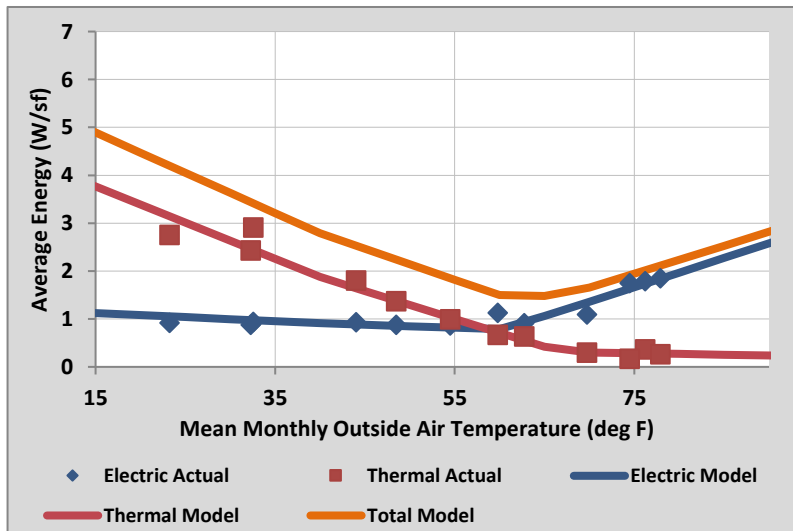
Energy Signature Comparison



In this graph, the building's Energy Signature is compared to a spectrum of a representative sample of 199 national office buildings. This provides the opportunity for a comparison with building peers. The upper and lower dotted lines represent the 75th and 25th percentiles, respectively, of the buildings analyzed.

FirstView® Software Report

Energy Signature by Fuel



The Energy Signature by Fuel plot shows actual energy usage along with the FirstView modeled energy use, calibrated to the actual usage. Energy Signatures characterize average energy use at various temperatures. The plotted points in this chart represent the building's electric and gas usage, while the solid lines represent the FirstView models of the energy uses. The orange line represents total energy use, or the sum of the modeled lines.

Diagnostics

Category	Status
Heating and Ventilation Efficiency	Typical
Cooling Efficiency	Poor
Controls	No apparent problems
HVAC Reheat	No apparent problems
Thermal Baseload	High
Light and Plug Loads	Low
External/Process Load	No apparent problems
Data Consistency	Orderly

Automated diagnostics are generated by analyzing the shape of the Energy Signature and comparing it to aggregate data collected from similar buildings. [Click here to learn more.](#)

Additional Notes

This building may be a good candidate for cooling system improvements. Excess outside air rates, high outside air infiltration, poor control settings, and 24-hour fan schedules may be present.

This building has a high thermal baseload, which may be associated with domestic hot water (DHW) use. Potential issues may include: DHW recirculation and setpoint, gas process loads, and HVAC reheat.