

CASE STUDY:

Royal Canin Sustainability Energy Audit

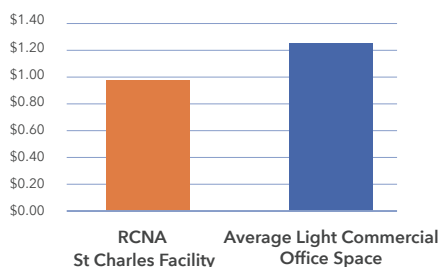
The purpose of this project was to identify and prioritize sustainable opportunities at Royal Canin's headquarters in St. Charles, Missouri, USA.

In 2023, Royal Canin North America (RCNA) completed a sustainability energy audit, utilizing their PSC membership benefits. To complete this project, RCNA worked with PSC's energy audit partner, Sustainable Turnkey Solutions (STS).

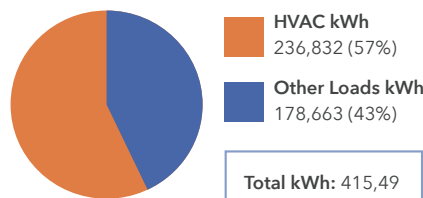
1. Assessment of the current energy + sustainability performance of the building:

RCNA's HQ performs better per square foot than the average commercial office, HVAC being the largest use of electricity.

RCNA Facility Electrical Cost/Sf vs. Average Commercial Facilities



Total Facility Electrical Consumption



Sustainability Accomplishments:

Sustainability Category	RCNA Headquarters
Air	<ul style="list-style-type: none"> Externally monitored HVAC system with maintenance visits
Waste	<ul style="list-style-type: none"> Food waste and recyclable waste were segregated, clearly marked, and properly disposed.
Cleaning Tools, Equipment / Technology, etc.	<ul style="list-style-type: none"> Use of high-quality lighting (LED bulbs) Company sustainability practices / initiatives / programs are communicated to employees (e.g., communication boards, trainings, shared office spaces)

2. Identification of potential ways to improve energy efficiency and sustainability:

The audit has identified key projects that RCNA can prioritize to focus on the most impactful improvements.

Sustainability Category	RCNA Headquarters
Energy Efficiency	<ul style="list-style-type: none"> Install Centralized Smart Building Controls Laminar Refrigerant Flow/Catalyst for Rooftop Units Identify and incorporate energy conservation programming
Benchmarking	<ul style="list-style-type: none"> Track and set a reduction target for energy usage, water usage, and waste using a tool like Energy Star's Portfolio Manager.
Equipment + Technology	<ul style="list-style-type: none"> Water saving technology for faucets and toilets Energy-saving hand dryers in bathrooms
Procurement	<ul style="list-style-type: none"> Reinstate sustainable purchases of office supplies Develop formal Sustainable Purchasing Guidelines

3. Estimates of the potential savings:

Significant energy and cost savings can be achieved through the implementation of above energy-saving measures.

Estimated Annual Savings	\$17,803
Estimated Project Rebate	\$2.6k
Estimated Payback Schedule	2.95 Years Simple Payback
Estimated Annual Energy Reduction	123,153 kWh
Estimated Annual Carbon Reduction	87.3 Metric Tons of CO₂

Carbon Reduction Equivalency:

Equivalencies express the impact of emissions in terms familiar to people, making complex data more relatable and understandable.

