# Case Study





# Prioritizing Energy Efficiency Investments

## The Problem: Two Buildings — Which is the Best Candidate for Energy Efficiency Improvements?

Location: California Year Built: 1996	Building Use	Size (sf)	Annual Energy Use (kBtu/sf)	Energy Use Difference vs. Peer Group (%)
Building A	Office	58,000	161	+178%
Building B	Office/ Warehouse	100,000	104	+79%
Peer Group Buildings	Office	50,000 – 120,000	58	NA

A large, national building ownership and property management company wanted to make energy efficiency improvements, but needed key information to prioritize its spending. From its large portfolio, the company selected two buildings (same location, different sizes and uses) with these goals in mind:

- Achieve a better understanding of each building's energy use
- Determine which building was a better candidate for energy efficiency improvements

Note: The owner presumed that Building B would be the better investment opportunity. It was larger, ran 24 hours a day, and had less efficienct HID lighting.

## The EnergyPrint Solution: Benchmark and Analyze Energy Use Across Both **Buildings**

Using the EnergyPrint tool, the owner benchmarked each building's energy and water use, including electricity, natural gas and water. For a three-year period, usage was tracked and compared to similar buildings, and analyzed against weather conditions.



## The Results: Opportunity Identified, Plus Bonus Savings

Detailed benchmarking comparison and analysis led to unexpected results:

- ► Energy use, specifically electrical, for both buildings was higher than similar buildings in the area
- Total energy use per square foot was actually 55% higher for Building A, driven by electrical and natural gas use

The EnergyPrint tool confirmed that Building A was the better investment opportunity, reversing the owner's original hypothesis. Second, it revealed that Building B had experienced an unexpected 24% increase in water usage, driven by a 71% increase in irrigation water use in the past year. Subsequent investigation revealed a leak in an irrigation pipe. The repair yielded an expected \$1,300 annual savings - more than adequate to cover the cost of an EnergyPrint subscription.

About Us ▶



## About Us





### Who We Are

The EnergyPrint company was founded in 2009 by business people who saw the need for a practical cost analysis tool to reduce energy consumption in commercial buildings. We believe analyzing energy costs should produce actionable steps to meet reduction goals. EnergyPrint, the product, delivers on that belief. Today, it meshes the best thinking of experts who put the bottom line first, and by doing so, enjoy the financial benefits of being green.



### Who We Serve

EnergyPrint is a web-based energy management application designed by – and for – commercial property professionals; people who want to better manage energy cost, consumption and carbon footprint for individual buildings and across property portfolios.



#### What We Offer

Our data team gathers, inputs and validates a building's energy and water use information from all relevant utilities. Then, using a dynamic, interactive dashboard format, the EnergyPrint tool makes the building's energy metrics visible and easier to understand. By simply accessing the Internet, users can quickly answer four key business questions — and take subsequent steps to reduce energy and save money:

- How are my buildings doing in terms of energy and water consumption?
- Are my buildings getting better or worse?
- Where are my best opportunities to save money?
- ▶ Have my previous improvements paid off?





### **How You Benefit**

With EnergyPrint, there is no software to download or hardware to maintain. You can simply log in via the Internet to:

- Have a complete, accurate understanding of your buildings' energy use
- Benchmark your buildings against others like them to identify areas for improvement
- Identify greatest opportunities to save and track ROI and replicate what works
- Communicate data from building to boardroom in one common language
- Create accurate energy cost budgets and scenarios
- Comply with energy mandates and certifications
- Complete seamless and automated integration with ENERGY STAR
- Access dynamic, new features introduced regularly

Learn more at energyprint.com or call 1-866-259-6869 to schedule a free product demonstration.

