



LEED® Certification

Are You Ready for LEED V4?

Today it's not enough to say your green, you've got to prove it. Businesses and organizations around the world are doing just that through Leadership in Energy and Environmental Design (LEED) certification and ENERGY STAR labels. These certifications increase building efficiency, make for healthier, happier occupants, and save owners significant cost.

Optimum Energy Helps You “LEED the Way”

The latest version of the LEED rating system, **LEED V4**, has the potential to drive building carbon emission reductions—while increasing asset value and occupant health—more so than any previous version. Unveiled at the **end of 2013**, LEED V4 prods building owners to ensure their approach to building construction and renovation is increasingly transparent, holistic, systemic, proactive and forward-thinking. How does the **OptiCx™ System** by Optimum Energy help you LEED the way with LEED V4?

Unparalleled Systemic, Holistic Design and Implementation

LEED V4 strongly emphasizes integrative, systemic design—the approach at the heart of the Optimum Energy model. By basing energy optimization on a comprehensive, holistic analysis of interrelated energy systems well before construction begins, Optimum Energy yields ultra high-performance buildings with the lowest total cost of ownership. This increased focus on integrative design in LEED V4 is most apparent in the new Integrative Process credit. Optimum Energy's holistic, system-wide approach to energy optimization—also known as **True Optimization™**—ensures that this credit is earned.

Peak Performance and Verification—Year After Year

Another LEED V4 trend that brings Optimum Energy customers ahead of the curve is an increased focus on performance verification. To stay LEED-certified, it's no longer enough to just green the building design. It is becoming increasingly necessary to continuously validate performance outcomes—and dynamically re-certify—year after year. Building owners must be able to repeatedly measure and verify ongoing performance, and prove their facilities are saving energy, water, money and other resources as projected to maintain LEED V4 certification. Owners of building systems that integrate feedback mechanisms leading to increased performance are well positioned for this shift.

Optimum Energy Credit Contributions to LEED V4 Building Design & Construction

LEED V4 Prerequisite or Credit	LEED V4 Category	OPTIMUM ENERGY CONTRIBUTIONS
Minimum Energy Performance Prerequisite	Energy & Atmosphere (EA)	OptiCx Platform 8760 energy modeling tool contributes significant site-wide energy savings. (Prerequisite contribution)
Building Level Energy Metering Prerequisite	Energy & Atmosphere (EA)	OptiCx Platform enables you to track and document energy consumption in real time. (Prerequisite contribution)
Enhanced Commissioning Credit	Energy & Atmosphere (EA)	Real-Time Dynamic Commissioning (RTDC) ensures continuous optimization of entire HVAC system based on real-time conditions and load requirements. (3-4 points)
Optimize Energy Performance Credit	Energy & Atmosphere (EA)	8760 energy modeling tool contributes significant site-wide energy savings. (5 points)
Advanced Energy Metering Credit	Energy & Atmosphere (EA)	OptiCx Platform comprehensively meters and records HVAC energy use. (1 point)
Demand Response Credit	Energy & Atmosphere (EA)	Energy Engineering Services help you to develop a comprehensive plan for peak shedding. (1 point)
Minimum Energy Performance Prerequisite	Energy & Atmosphere (EA)	8760 energy modeling tool contributes site-wide savings of up to 15%. (Prerequisite contribution)
Building Level Energy Metering Prerequisite	Energy & Atmosphere (EA)	Performance and energy management apps enable you to track and document energy consumption in real time. (Prerequisite contribution)
Enhanced Commissioning Credit	Energy & Atmosphere (EA)	RTDC ensures continuous optimization of entire HVAC plant system based on real-time conditions and load requirements. (3-4 points)
Integrative Process Credit	General	Engineering Design Optimization (EDO) services help you to design the most efficient plant possible. (1 point)
Indoor Water Use Reduction Prerequisite	Water Efficiency (WE)	OptiCx Platform helps you to meet basic cooling tower requirements in accordance with ASHRAE 189 standard. (Prerequisite contribution)
Cooling Tower Water Use Credit	Water Efficiency (WE)	OptiCx Platform 8760 energy modeling tool analyzes cooling tower water use and maximizes water cycles. (1 point)
Indoor Water Use Reduction Credit	Water Efficiency (WE)	1-2 points
Innovation Credit	Innovation (IN)	1 point

With the [OptiCx Platform](#), building owners can rest easy that they are well prepared for this trend. The OptiCx Platform continuously commissions building performance. Data-science driven technology continuously analyzes and improves building performance over time. Meanwhile building owners can verify and [track performance and savings](#)—water, cost and CO2 savings—from any smartphone, tablet (iOS or Android app) or Web browser.

Renovating or Designing a New Building?

The OptiCx System by Optimum Energy can help you achieve up to 16 points with LEED V4. We comprehensively support your LEED V4 and ENERGY STAR certification efforts at every stage of the process.

Get Started Now

Want to stay ahead of the energy efficiency and certification curve? As requirements for certification grow more complex, invest in a solution that delivers tomorrow's energy efficiency, today.

ABOUT OPTIMUM ENERGY

Optimum Energy provides [True Optimization™](#) — data-driven HVAC energy optimization solutions for campuses and large facilities. A growing number of enterprise organizations have come to depend on Optimum's proven track record of fulfilling and exceeding sustainability targets through the [OptiCx™ System](#). Optimum combines data science and engineering expertise to reduce operational expenses by as much as 50%, while increasing the productivity of facility support personnel. These gains are achieved and sustained through Real-Time Dynamic Commissioning™, which fights performance drift and enables automated, continuous commissioning through dynamic adaptation of the entire heating and cooling system. For more information, please visit www.optimumenergyco.com.

