

Featured Project

426 "A" Street New Construction – LEED Gold Certification

Ashland, Oregon

This new construction project was a two-story, 4,000-square-foot building to be used as a retail office and residential occupancies. The goal was LEED new construction gold certification, and was achieved.

LEED certification included the following: Light pollution reduction, 20% reduction of water use, innovative wastewater technologies, maximized energy performance, fundamental refrigerant management, optimized energy performance, on-site renewable energy, enhanced refrigerator management, measurement and verification.

ArcSine Engineering performed the following LEED services:

Sustainable Sites

Reviewed and analyzed sustainable site light pollution reduction which included excessive light production and excessive energy consumption.

Water Efficiency

Reviewed and analyzed water efficiency which included water use reduction and innovative wastewater technologies to reduce the overall water consumption.

Energy and Atmosphere

Reviewed and analyzed energy and atmospheric performance which included building construction materials and HVAC systems to reduce energy consumption, solar/photovoltaic systems to reduce utility power consumption, and refrigeration management to reduce refrigerant release to the atmosphere.

Indoor Environmental Quality

Reviewed and analyzed increasing the indoor environmental quality which included indoor air quality performance and increased ventilation, outdoor air delivery monitoring, construction indoor air quality management plans during construction and before occupancy, lighting controls and thermal comfort systems, thermal comfort design, and natural daylight availability through windows.

ArcSine made recommendations to meet the minimum required prerequisites and to maximize the available credit scores.

**Mechanical
Plumbing
LEED Certification Services**

