

altafiber's Dayton Store and Office is LEED Silver certified!

What is the LEED® Rating System?

- LEED (Leadership in Energy and Environmental Design) is a green building rating system where buildings earn credits and points for meeting high standards in categories that address carbon, energy, water, waste, transportation, materials, health, and indoor environmental quality. Projects go through a verification and review process and are awarded points that correspond to a level of LEED certification: Certified, Silver, Gold and Platinum. At its core, LEED provides a framework for healthy, efficient, carbon and cost-saving green buildings.
- In LEED credits are given points based on their relevance to the impact categories shown in figure 1, weighted top to bottom in importance. Projects earn points for implementing design and construction measures that achieve these positive impacts.



The Dayton office and store is powered by 177 solar panels that will annually produce around 86,400 kilowatt-hours, enough power for 100% of its needs.

What is a Green Building:

A “green” or environmentally sustainable approach to design and construction creates buildings that:

- Are healthier for people and enhance productivity
- Use less fossil fuels thus conserving energy, generating less pollution, and saving on operational costs
- Use less water
- Manage waste at the highest productive level
- Minimize the use of materials and use materials with the lowest environmental impacts
- Can be built at market rate and cost much less to operate

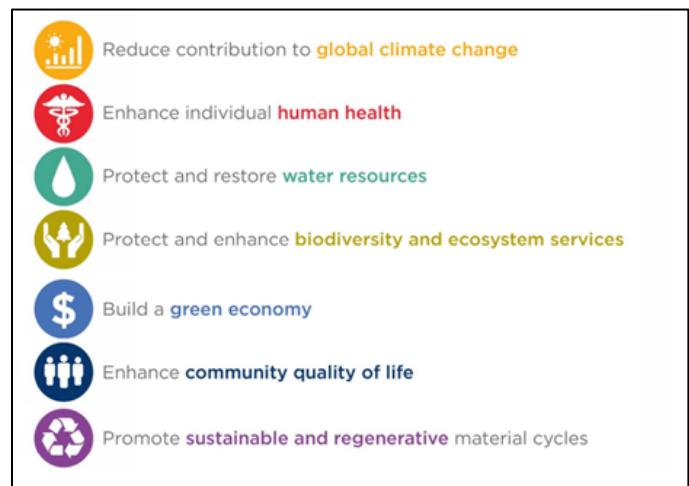


Figure 1. LEED points are awarded for achievement in these areas

How did the altafiber Dayton office & store achieve LEED Certification?

Our Dayton project received **52 points** and is **LEED Silver certified** under the LEED for Commercial Interiors (CI) v4 rating system. We achieved this through:

- **Energy & Atmosphere** (16 points)
 - Reducing lighting power by 63%, with LED lighting, sensor lighting controls, and over 99% of our appliances being ENERGYSTAR
 - Offsetting 100% of energy used via a rooftop solar photovoltaic system. [See the real-time production of our PV system at this website.](#)
 - Providing enhanced commissioning to assure the building's energy systems operate as designed
 - Not using any chlorofluorocarbon (CFC) or hydro chlorofluorocarbon (HCFC)-based refrigerants in our heating, ventilating, air-conditioning, and refrigeration systems to minimize ozone depletion and global warming potential.
- **Material Stewardship** (8 points)
 - Collecting of recyclables, including mixed paper, cardboard, glass, plastics, metals, e-waste and batteries
 - Avoiding waste during construction, generating less than a pound per square foot of project area.
 - Reducing environmental harm from real estate churn by signing a 10-year lease
 - Reusing 99% of interior elements, such as ceilings and floors, and reusing 77% of furniture
 - Providing a greener, healthier workspace and reducing waste by carefully selecting products with chemical transparency, end-of-life takeback programs, and/or recycled content.
- **Water Savings** (8 points)
 - Reducing indoor water use by 44% by using low-flow and WaterSense certified fixtures, from the dishwasher to the toilets.
- **Supporting Healthy, Green Habits** (8 points)
 - Locating within a safe, short walk to many amenities, including retail, restaurants, parks, and the bus system
 - Providing bike storage, a shower room, and accessibility to an extensive bike network
 - Emphasizing locally-significant green practices such as reducing water use, lessening the life-cycle impact of materials, and generating renewable energy
- **Indoor Air Quality** (6 points)
 - Protecting indoor air quality through ample ventilation monitored via CO2 sensors and contamination control measures including MERV 13 filters, walk-off mats at entrances, and a non-smoking building
 - Exemplary sourcing of no- or low-emitting materials (e.g., low VOC paints and furniture) for healthier indoor air
 - Following a strict indoor air quality management plan during construction
- **Team Work** (3 points)
 - Using an integrative process with a multi-disciplinary team to design and renovate the building
 - Involving LEED Accredited Professionals on the project team

