

RetroCom Energy Strategies, Inc. is an active USGBC member. Our LEED Accredited Professionals assists clients in developing owner project requirement & basis-of-design documents, working in collaboration with other design professionals, reviewing drawings & specifications, and Commissioning the implementation of Green Design projects to ensure the best results for owners and occupants. Areas of expertise include:

LEED[®] CERTIFICATION

- Comprehensive Management of the certification process
- Client Support & Assistance for in-house execution
- Design feedback to minimize costs and documentation at each project stage
- Registration, preparation and submittal of all materials required for certification

SUSTAINABLE SITE DESIGN

- Neighborhood Development plans to satisfy LEED-ND
- Allocation of land use based on environmental resources
- Neighborhood plans that are not just walkable, but walk-worthy
- Integration of buildings and hardscape with natural features and habitats

PASSIVE HEATING/COOLING AND NATURAL VENTILATION

- Building orientation and massing to optimize climate-responsive performance
- Tuning of windows and skylights for seasonal heating/cooling requirements
- Use of natural ventilation and stack effect for passive cooling
- Positioning and sizing of thermal mass to mitigate temperature swings

HIGH PERFORMANCE HVAC AND CONTROL SYSTEM DESIGN

- System selection to minimize energy use by integrating design with climate, occupancy, and materials
- Equipment selection to maximize energy efficiency, ease of service, and reliability
- Control specifications and sequence of operations to maximize and measure performance, including integration of mixed mode ventilation

DAYLIGHTING

- Selection of glazing materials for optimal lighting distribution and glare control
- Sizing of glazing areas for optimal illumination
- Integration of luminaires for complementary lighting under changing conditions
- Automatic daylighting controls to ensure energy savings are achieved

COMMISSIONING AND RETROCOMMISSIONING FOR LEED[®] PROJECTS

- Commissioning for LEED-NC, CS & CI.....EA & IEQ Prerequisites and Credits
- Retrocommissioning for LEED-EB O&M.....EA & IEQ Prerequisites and Credits
- Retrocommissioning Utility Rebate and Incentive Applications