**GOING GREEN**

Bringing the Circular Congregational Church up to LEED-EB Standards While Maintaining the Historic Fabric of the Building

**Why Make the Building Green?**

Green building practices can substantially reduce or eliminate negative environmental impacts and improve existing low-cost, sustainable design, construction, and operational practices. An added benefit is that green design strategies reduce operating costs, increase worker productivity, and reduce potential liabilities from indoor air quality problems. Green design also prevents environmental degradation and social impacts that building stakeholders, including owners, developers, and the general public.

**What is LEED-EB?**

LEED for Existing Buildings maximizes operational efficiency while minimizing environmental impacts. It provides a recognized, performance-based benchmark for building owners and operators to measure operations, improvements, and maintenance on a consistent scale. LEED for Existing Buildings 4.0 is a new standard for exciting, economically profitable, environmentally responsible historic buildings and places to live and work.

**What Does the LEED-EB Rating System Address?**

- Whole building cleaning and maintenance issues including chemical free.
- Ongoing indoor air quality and energy efficiency.
- Water efficiency.
- Recycling programs and facilities.
- Exterior maintenance programs and standards.
- Systems upgrades to meet green building policies for heating, cooling, and lighting performance standards.

**HVAC**

The Circular Congregational Church is ventilated by common space fans that manage the environment along with a private ventilation system that pulls air through the building's central core. The ventilation system is sufficient with heat recovery ventilation.

**LEED-EB Project**

The LEED-EB Project enhances sustainability with energy efficiency, water conservation, and indoor environmental quality. It includes measures such as upgrading HVAC, lighting, and maintenance.

**National Park Service**

Since 1999 the National Park Service has been promoting green building at the North American National Park System, including historic buildings. The National Park Service is responsible for preserving historic buildings, including Adaptive Use and Disaster Protection.

**TPS**

Specifically, these particular briefs should be examined:

- ED: Conserving energy in historic buildings.
- 16: Cooling, ventilation, and cooking.
- 26: Tractability of the historic building.
- 36: Restoring the site to cultural heritage.

**Preservation Briefs**

- 03: Responsible use of materials in historic buildings.

**Special Attention is Also Paid to Light Bulbs**

Many of the LEED-EB criteria include limits that can be made with the building that will not affect its historic fabric. The addition of spring bulbs outside the churches to encourage people will not affect the building, as long as it has a source of transportation other than the car.

**To Meet These Standards, the Historic Fabric of the Circular Congregational Church Does Not Need to be Considered.**

For more information on the Circular Congregational Church and its LEED certification, please visit the following links:

- [Circular Congregational Church LEED Certification](#)
- [LEED for Existing Buildings](#)
- [National Park Service Preservation Briefs](#)