

# CEE in 2022

## Working toward a greater good for *all*

### People-centered solutions where we live, work, and gather

#### In homes

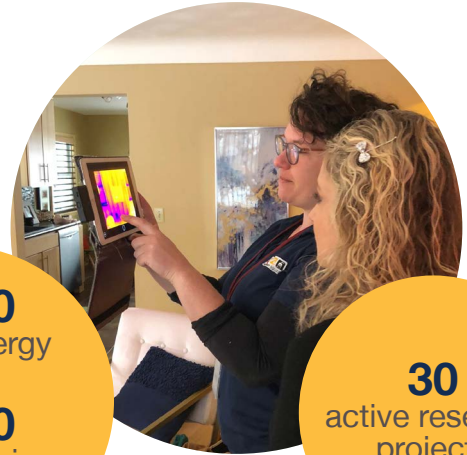
CEE helps homeowners and renters achieve their home energy needs and goals. We partner with utilities to implement innovative, cost-effective home efficiency programs, complemented by supportive policy work and competitive financing. We research and accelerate the adoption of promising technologies to help cold climate homes in the upper Midwest to be more comfortable and efficient.

#### In businesses and commercial buildings

Energy savings mean company savings for a better bottom line. CEE can customize energy solutions for your building with energy efficient lighting and free HVAC consulting for Minnesota businesses, with utility rebates to help cover project costs. Our engineers also offer affordable whole-building energy assessments for Xcel Energy Minnesota commercial customers.

#### In communities

To help diverse communities plan and achieve their own unique energy visions, CEE provides residents and local leaders with credible data, analysis, and planning facilitation. Our policy approach combines our longstanding community focus with our informed perspective as program providers. And we study energy efficiency technologies and strategies to broadly advance both efficiency and public health.



**5,500**  
home energy  
visits  
**1,000**  
energy advisor  
calls

**30**  
active research  
projects



**48**  
Midwest city  
partnerships  
**25**  
Twin Cities  
neighborhoods

**1,621**  
lighting and  
HVAC projects



**38**  
home energy  
career training  
graduates

**1,220**  
home  
improvement  
loans approved

### 2022 estimated savings

**41 million**  
kWh of electricity

**32,500**  
Decatherms in natural gas

**27.5 million**  
pounds of CO<sub>2</sub>

**\$4.6 million**  
1st-year energy costs



## Community is our cornerstone

**Partnering with tribal nations.** CEE's tech expertise is supporting clean energy efforts in tribal communities. In partnership with Native Sun Community Power Development, our researchers are leading electric vehicle metrics analysis at Red Lake and Standing Rock reservations to quantify operational costs and emission reductions for an inter-tribal EV charging network.

In 2023, we're working with Native Sun and others to evaluate barriers and opportunities to electrify heating and cooling services at Red Lake, part of a three-state study with tribal communities. Researchers will explore the resilience of heating and cooling services provided by electricity and evaluate the development of renewable energy and energy storage on rural lands.

**Efficiency excellence with a community anchor.** The Sabathani Community Center is a Black-led nonprofit with a mission to provide its community with "essential resources that inspire them to improve their lives and build a thriving community." With ambitious energy goals, Sabathani partnered with CEE and other community stakeholders to make Sabathani an example of how energy efficiency can provide significant financial, social, and environmental benefits to businesses, residents, and the southside community at large.

Next door to the community center, CEE's New Homes team supported the build and certifications of Sabathani's Senior Housing apartment building, enabling the building to meet the efficiency requirements of the EPA's ENERGY STAR Residential New Construction program.

**Empowering our clean energy workforce.** In Minnesota, challenges like a general workforce shortage and the anticipated "silver tsunami" of retirements in many trades threaten the clean energy economy's ability to maintain or accelerate growth. Such challenges call for us to create accessible career pathways for disadvantaged populations that are often left out of economic prosperity.

In 2022, CEE's workforce development program attracted and trained nearly 40 people of color and women to pursue clean energy careers. To reach key audiences, the program built and nurtures meaningful community relationships with culturally specific organizations such as CAPI USA, Migizi, Hmong American Partnership, Emerge, and Urban Roots.

## Interwoven approaches

**Programs** | We cut energy waste while improving comfort in homes and buildings.

**Research** | We explore energy advances through field analysis, modeling, and engagement.

**Policy** | We strive for high-impact, pragmatic solutions built to serve public interests.

**Consulting** | We work toward long-term, energy-saving solutions in buildings and communities.

**Lending** | We empower Minnesotans to upgrade efficiency and comfort at home and at work.

**Market Transformation** | We smooth the way for broader adoption of promising technologies.

**Learn more**  
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