

SLIPSTREAMINC.ORG

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IMPACT REPORT

2023



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Our Mission: Accelerating Climate Solutions. For Everyone.

In 2023, Slipstream, our partners, and our industry peers made progress on our mission to transform the built environment in ways that benefit everyone and address the extraordinary impacts of climate change.

We need to decarbonize our buildings, and we know what we need to do to get there. We need to **make our buildings efficient**, retrofitting existing buildings with affordable equipment and setting high performance standards in new construction. We need to **drastically reduce carbon emissions** in our buildings and eliminate the use of fossil fuels. We need to scale the deployment of **clean and renewable sources of energy** throughout the grid—and then make it so our buildings can **interact with the grid** to meet the demand.

The work we did at Slipstream in 2023 helped us get closer to these imperatives. But there is still so much to do. Thank you to all the partners who are helping us build a better world through an equitable energy transition.



Climate & Equity Innovations

A clean future for everyone demands new climate solutions. Our 2023 Innovations represent valuable ideas or breaks from typical practice that can impact energy programs today. These are tested, practical solutions that governments, utilities, and building owners can adopt to scale decarbonization, expand equity, and develop the clean energy workforce.

Duct leakage assessment for manufactured homes

We worked with partners to develop and test a [quick protocol](#) to determine if the building envelope and duct system are substantially tight in new manufactured homes. The approach is quick and easy and requires low-cost, easy-to-carry equipment and minimal training. Home installers and inspectors can use this test to identify major leakage issues during the home setup process so they can be fixed—before occupants move in.

Navigation services for local governments to unlock federal funding

Despite the influx of federal funding for clean energy and climate measures, local governments have typically been on their own to pursue funds. We have partnered with local governments to help them access funding opportunities and enable their climate and energy, environmental justice, and resilience goals. These services demystify and distill information and amplify municipalities' efforts to scale participation to include multiple members in a coalition.

Evaluation for complex energy codes

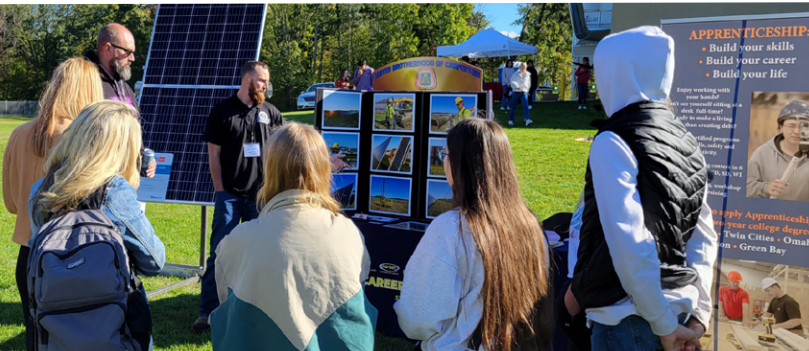
Energy codes are an effective tool to reduce energy consumption and carbon emissions. However, recent energy code advancements have relied heavily on more complex measures—such as HVAC controls—and these are more difficult to assess and enforce. Together with our partner, IMT, we developed and piloted new assessment approaches to understand these complex code advancements and created documentation that the DOE will use to inform future compliance assessments around the country.

Clean Energy Career Fairs

We delivered a career fair for high-school-age students to learn about the many paths available in the [clean energy workforce](#). The fair introduced students to specific employers in their area, opened their eyes to new job types, and promoted important disciplines such as energy modeling and solar energy services. Slipstream delivered one career fair in 2023 and, based on that success, is planning several more in 2024.

Cold-climate VRF

Variable refrigerant flow (VRF) systems are rated to operate down to -22°F, but can they be a reliable option to electrify heating in cold climates? [We piloted cold-climate VRF systems](#) to validate that they reliably operate in the upper Midwest and reduce site energy and emissions. The pilot has revealed insights into both VRF's potential pitfalls—especially regarding the quality of installations—and its overall effectiveness at reducing emissions and satisfying occupant comfort.



Measuring Our Impact

Slipstream discovers, tests, and scales climate solutions in buildings and communities through work that:

- ▶ Delivers programs that enable our partners to reduce carbon emissions.
- ▶ Educates building professionals and other audiences to expand their capacity to advance the built environment.
- ▶ Researches and tests solutions to identify the best pathways to achieve a clean energy economy at scale.
- ▶ Helps people and our partners finance building improvements in homes and businesses.

By the numbers:

Slipstream's energy and financing programs helped avoid over

608 million lbs
in CO₂ emissions.

We helped homeowners and businesses save **over 150 million kWh** through financing for energy efficient projects and upgrades:

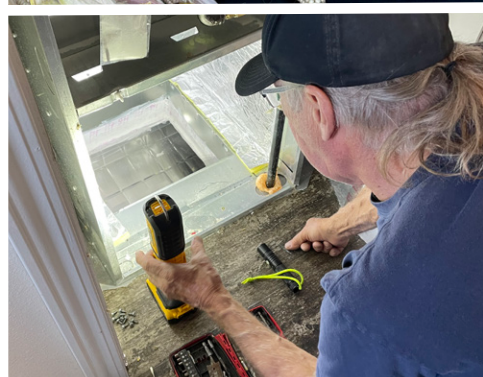
- ▶ Energy Finance Solutions (EFS): **19.1 million kWh**
- ▶ C-PACE: **131.4 million kWh**

Our largest affordable housing new construction program supported

269 new income-eligible housing units.

Our C-PACE programs connected businesses in Wisconsin, Virginia, and Oklahoma with more than

\$133 million
in total financing.



Impact Highlights from 2023

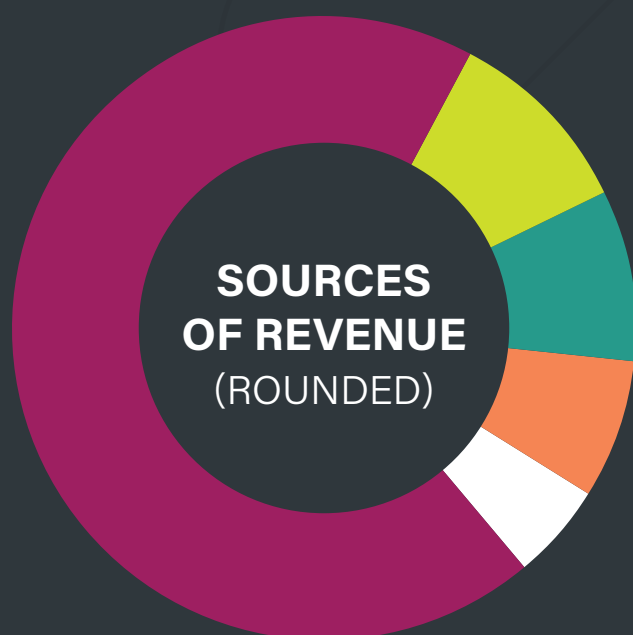
Co-creating energy pathways with communities in the Midwest

A just energy transition must take historical account of why a community lacks access to clean, reliable energy. Slipstream is honored to work alongside community partners to listen, learn, and co-create energy plans that allow them to achieve their energy goals. We engaged city officials and residents to craft and [adopt new clean energy plans](#) that can reduce carbon emissions and lower energy burdens. We ally with Indigenous communities in the Midwest to share knowledge and technical assistance to benefit their energy sovereignty goals. And we collaborate with large municipalities to leverage federal initiatives like the Inflation Reduction Act to [support their climate action plans](#).

Installing an efficient VRF system to make Quinn Chapel a more comfortable place to gather year-round

Located in the Bronzeville neighborhood of Chicago, Quinn Chapel has been a place for the community to gather for generations. A [new, efficient VRF system](#) will help preserve Quinn's rich history while also making the space usable for the community all year long—especially in the hot Chicago summers. The project shows the additional impact energy efficiency can bring to the people who feel its effects the most.

Financial Results



■ Efficiency at Scale	\$31,200,000
■ Grants & Other Revenue	\$4,500,000
■ Financing for a Low-Carbon Future	\$4,100,000
■ Training and Education	\$3,200,000
■ Emerging Technologies & Human Factors	\$2,000,000
TOTAL REVENUE	\$45,000,000



■ Programs	\$36,600,000
■ Management & General	\$8,800,000
■ Fundraising & Business Development	\$2,000,000
TOTAL EXPENSES	\$47,400,000



Looking Ahead

We're creating the future today. We invite you to join us in the decarbonization movement to deliver impact that will accelerate climate solutions. For everyone.

[Visit our website](#) to learn more.

Stay ahead of the curve on climate solutions with our newsletter, The Accelerator. [Subscribe here.](#)

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