# Industrial Demonstrations Program – Delicious Decarbonization Through Integrated Technologies: Electrification, Renewables, and Energy Storage

The Industrial Demonstrations Program, managed by the U.S. Department of Energy (DOE) Office of Clean Energy Demonstrations (OCED), aims to accelerate decarbonization projects in energy-intensive industries and provide American manufacturers a competitive advantage in the race to lead the world in low- and net-zero carbon emissions manufacturing. To advance industrial decarbonization, OCED sought applications for up to $6 billion in funding to support the demonstration of transformational technologies necessary to reduce emissions in the U.S. industrial sector. Following negotiations, in December 2024, OCED awarded the Delicious Decarbonization Through Integrated Technologies: Electrification, Renewables, and Energy Storage project with more than $5.9 million to begin Phase 1 Front-End Engineering and Design (FEED) and Optimization across our diversified US manufacturing facilities.


## Project at a Glance – Phase 1

- **Total OCED Cost Share:** Up to $170.9 million
- **Phase 1 Total Project Amount:** $12,158,675*
- **Phase 1 OCED Award Amount:** $5,957,751**
- **Phase 1 Scope of Work:** Planning, permitting, design, and other optimization activities
- **Phase 1 Timeline:** 20 months
- **Recipient:** Kraft Heinz Foods Company is a North American food and beverage company
- **Project Location:** Currently considering Champaign, IL; Kendallville, IN; Mason City, IA; New Ulm, MN; Columbia, MO; Granite City, IL; Lowville, NY; Fremont, OH; Mason, OH; Garland, TX; and Winchester, VA
- **Start Date:** December 2024

*Represents the total project cost for Phase 1

**Represents OCED's cost share for Phase 1. Additional funding for this project is subject to future award negotiations at the end of each project phase

## About This Project

Kraft Heinz Foods Company plans to upgrade and decarbonize its process heat using sustainable technologies at up to 11 facilities by applying a range of technologies such as heat pumps, electric heaters, and electric boilers in combination with energy efficient and renewable technologies. The tailored application of these technologies is expected to reduce annual emissions by more than a combined 100,000 metric tons of carbon dioxide per year if implemented at the 11 sites. By demonstrating the integration of multiple decarbonization pathways, this project seeks to help a major American brand achieve deep decarbonization and serve as an example for other U.S. food and beverage companies to reduce emissions from process heat while reducing energy costs.

During Phase 1 of the project, Kraft Heinz Foods Company will conduct Front-End Engineering & Design (FEED) and Optimization activities, provide documentation and reports necessary to complete the National Environmental Policy Act (NEPA) review, and engage community and labor stakeholders.

OCED will provide oversight of the Delicious Decarbonization Through Integrated Technologies: Electrification, Renewables, and Energy Storage project by evaluating the status and quality of implementation at each phase of the project site. Through its phased approach to project management oversight, OCED will review and evaluate the project's progress, including community benefits, which impact OCED's decision to continue to provide federal funding and allow a project to progress to the following phase.

# Delicious Decarbonization Through Integrated Technologies: Electrification, Renewables, and Energy Storage Project Fact Sheet

## Project Site

The Delicious Decarbonization Through Integrated Technologies: Electrification, Renewables, and Energy Storage project are currently considering projects at Kraft Heinz Foods Company facilities in Champaign, IL; Kendallville, IN; Mason City, IA; New Ulm, MN; Columbia, MO; Granite City, IL; Lowville, NY; Fremont, OH; Mason, OH; Garland, TX; and Winchester, VA.

## Community Benefits Commitments

Community benefits commitments are a key component of the Delicious Decarbonization Through Integrated Technologies: Electrification, Renewables, and Energy Storage project. The commitments are informed and developed—in consultation with local communities—to maximize local community benefits and mitigate potential impacts of this project. Kraft Heinz Foods Company plans to implement these commitments through:

- Creating new **construction jobs across up to 11 sites**. One of the 11 project sites (Fremont, OH) currently has a unionized operations workforce.
- Communicating project information to employees and addressing employee concerns through a **designated steering committee**.
- Developing partnerships with local educational institutions like community colleges and community job placement organizations to **train and develop plant employees**.
- Developing **two-way engagement statements** with key partners and community stakeholders at all project sites.
- **Pursuing and negotiating community agreements** with impacted stakeholders and communities.
- Conducting **targeted outreach and engagement activities** with underrepresented community groups through the steering committee.
- Supporting the Justice40 initiative by **completing a Justice40 assessment and implementation strategy** during each phase.
- **Quantifying air quality impacts** for any relevant air pollutants emitted, or expected to be emitted, from the project.
- Sharing project information publicly to **support engagement, accountability, and transparency**.

More details on the Delicious Decarbonization Through Integrated Technologies: Electrification, Renewables, and Energy Storage project's community benefits commitments can be found in the Community Benefits Commitments Summary.

Aerial view of a Kraft Heinz Foods Company production facility

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## Industrial Demonstrations Program Goals

U.S. industry is a backbone of the nation's economy, producing the goods critical to everyday life, employing millions of Americans in high-quality jobs, and providing an economic anchor for thousands of communities. Yet the sector's energy and carbon-intensity contributes to nearly one third of the nation's carbon dioxide emissions, representing a unique and complex challenge to achieving a carbon-free economy. Decarbonizing the U.S. industrial sector will require equally unique and innovative technological solutions that leverage multiple pathways, including energy efficiency, electrification, and alternative fuels and feedstocks such as clean hydrogen. The Industrial Demonstrations Program includes new, emerging technologies that aim to help produce clean steel, cement, chemicals, and other materials used in our nation's roads, bridges, transmission lines, electric vehicles, solar panels, wind turbines, and everyday lives, which in turn, benefit every American.


Employees at a Kraft Heinz Food Company's manufacturing facility in Garland, TX

## Contact

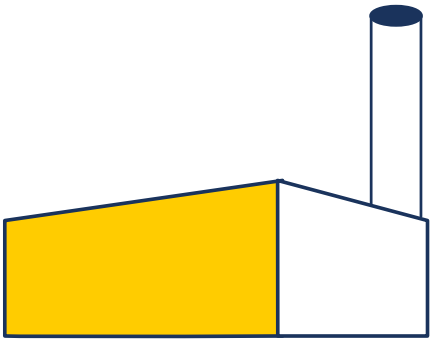
**Program Email:** engage_industrialdemos@hq.doe.gov

**OCED Media Email:** OCEDNewsroom@hq.doe.gov

## More Resources

**Website:** energy.gov/oced/IDP

**Office of Clean Energy Demonstrations:** energy.gov/oced



The U.S. Department of Energy established OCED to help scale the emerging technologies needed to tackle our most pressing climate challenges and achieve net-zero emissions by 2050. OCED's mission is to deliver clean energy demonstration projects at scale in partnership with the private sector to accelerate deployment, market adoption, and the equitable transition to a decarbonized energy system.