



**Fermata Energy**

A NUVVE COMPANY

# The BRIDGE Project: Unlocking Your Home's Energy Potential

## Smarter Charging - Reliable Backup - A Resilient California

March 26, 2026

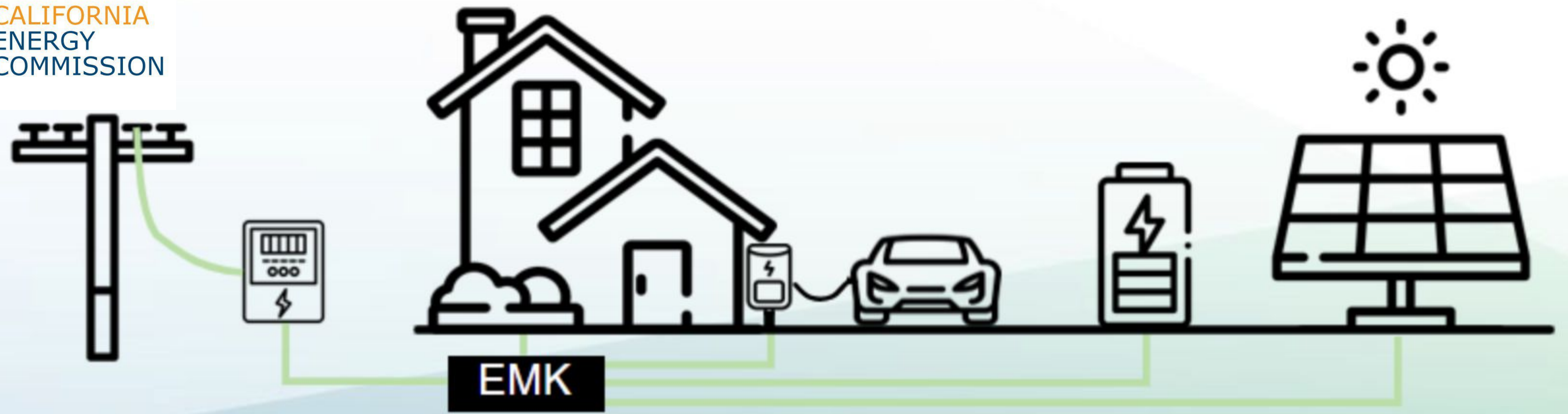


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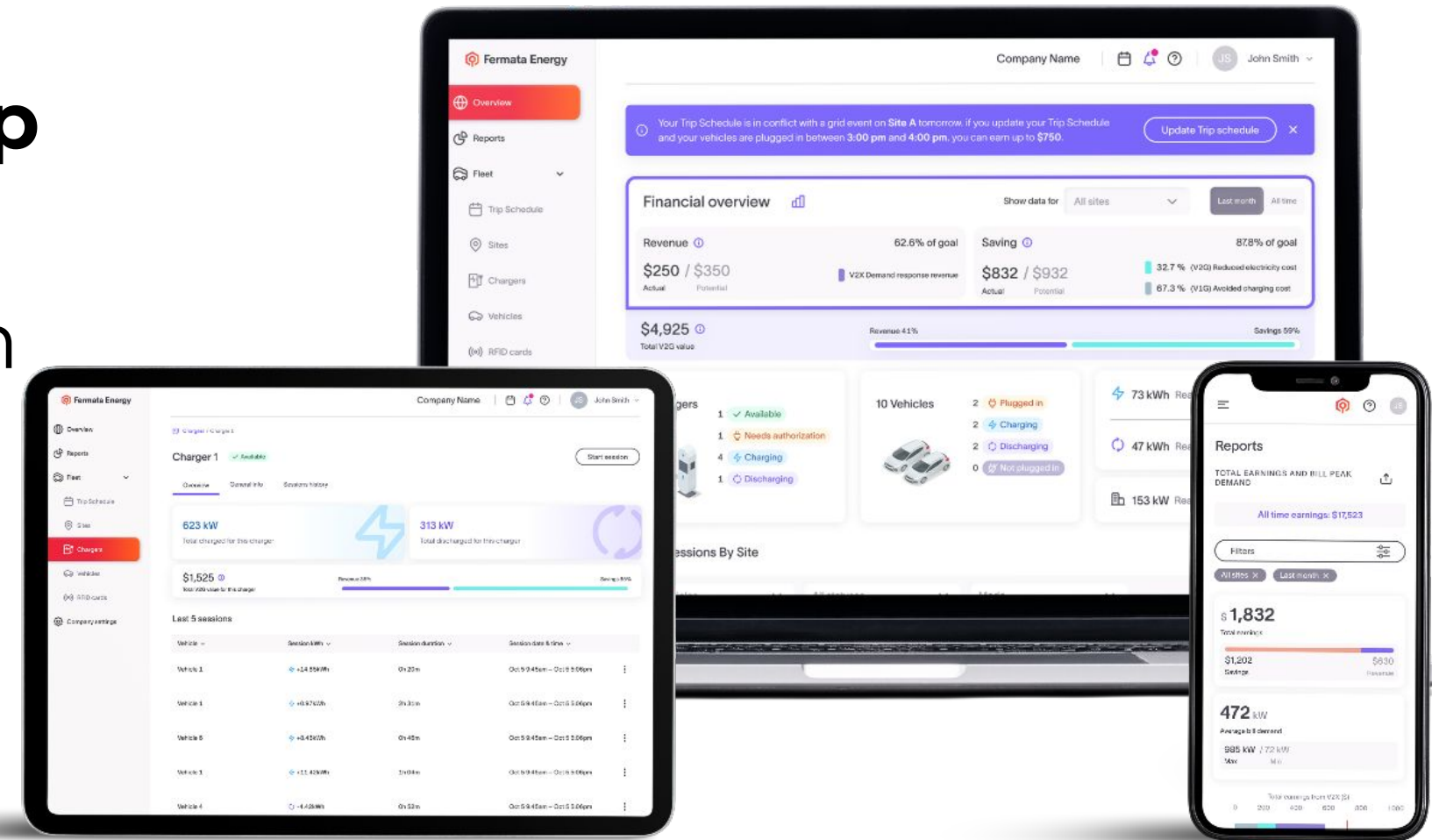


CALIFORNIA  
ENERGY  
COMMISSION



# Nuvve Mission

- Support **grid modernization**
- Enable **intelligent electrification** and affordability via **Vehicle to Grid (V2G)** and **battery infrastructure**
- **Lower electric vehicle (EV) ownership costs** while supporting renewables integration and grid resilience through energy services
- Ensure **customer mobility** needs are always met
- Protect **battery health** during grid services



# What's Required for Vehicle-to-Home?

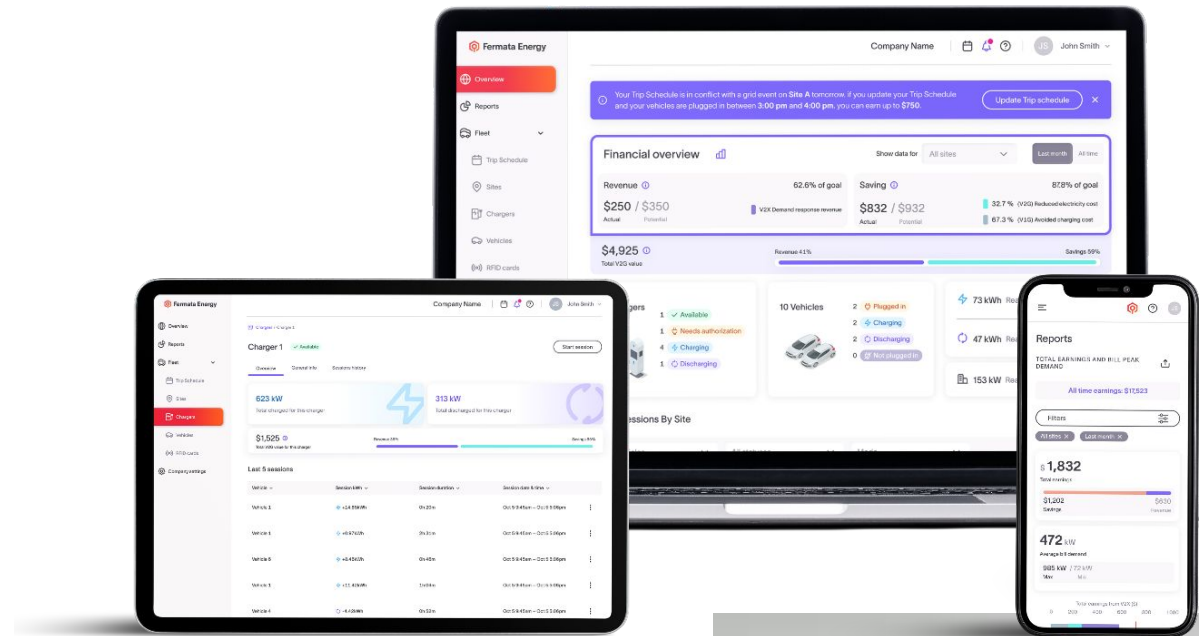


Photo Credit: Kia America Newsroom, Photo & Video Gallery, 2025 EV6

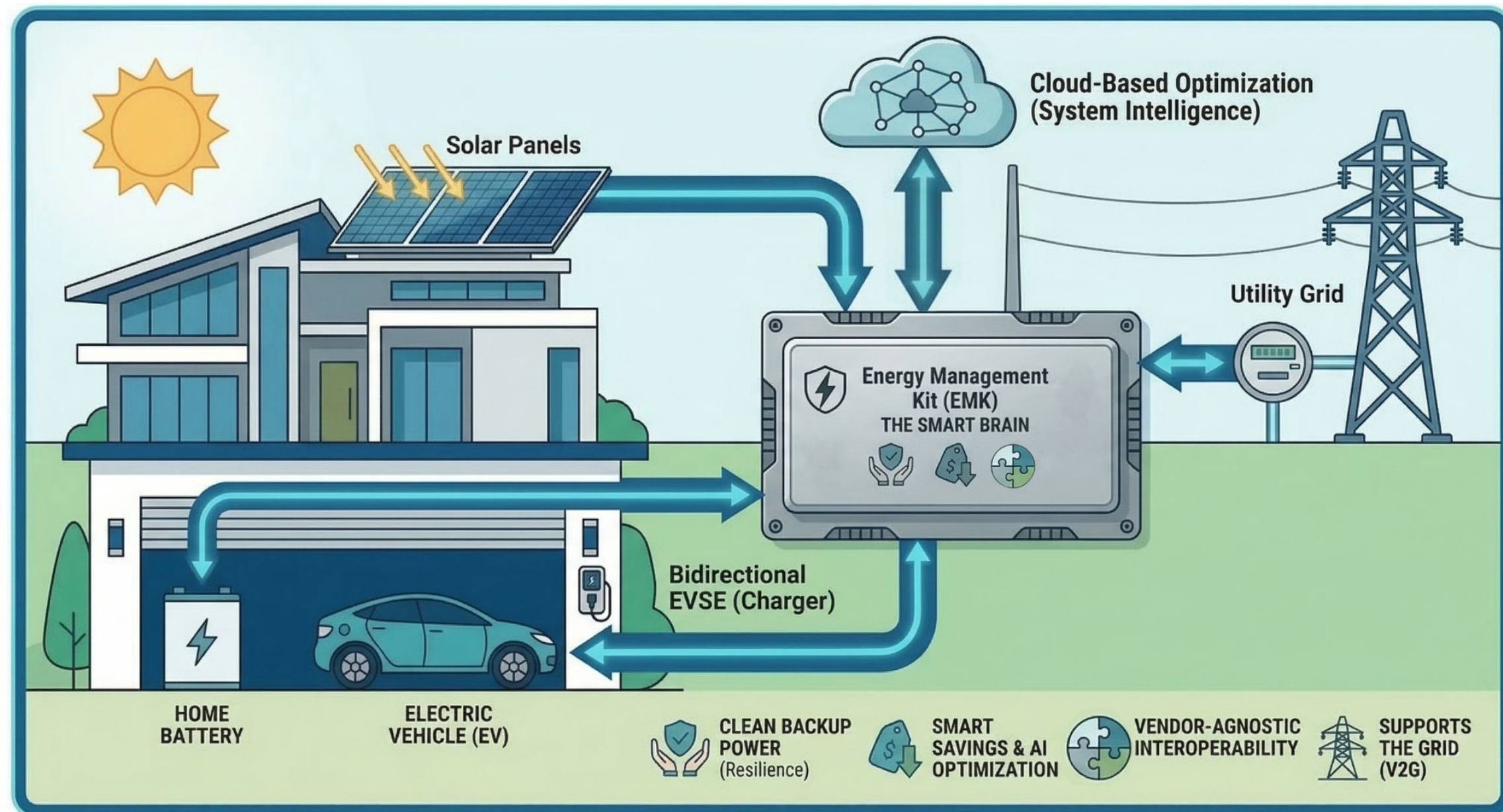


Photo Credit: Wallbox

# Bidirectional Residential Integration for Dispatchable Grid Energy (BRIDGE)

**What:** The goal of this project is to make it easier for homeowners to turn their electric vehicles into a backup power source

**How:** Our new 'plug-and-play' kit, the **EMK**, connects your car, your solar panels, and your home battery into one simple system that saves you money and keeps the lights on



# How is BRIDGE changing the way we use energy?

- **Keep the Lights On:** Use your EV to provide backup power during blackouts or Public Safety Power Shutoffs (PSPS)
- **Lower Your Energy Bills:** Intelligent software automatically manages your energy to save you money by using power when it's cheapest
- **Energy Freedom:** The EMK is designed to work with different EVs, chargers, home solar systems, and home batteries
- **Support Your Community:** By sharing energy back to the grid when demand is high, you help prevent local outages and reduce the need for expensive new power plants



Top Image Source: Shan Tian/University of California, Irvine  
Bottom Image Source: New Sun Road

# How is BRIDGE different from similar solutions?

## Built for Real Homes & Real Budgets

- **Affordability First:** Targeting a price of **\$800–\$1,000** for the EMK once in full production
- **Supporting Consumer Choice:** Designed to be “plug and play” and work with a variety of EVs, chargers, solar systems, and battery solutions
- **Easy, Safe Setup:** Avoid having to rewire your home or pay for expensive electrical upgrades just to get started
- **Smart Energy Assistant:** Our top-tier software does the heavy lifting for you. Ensures your EV is backup-power capable, can support the local grid, and most importantly keep your electricity bills as low as possible

# Pilot Program

**When:** 2025 - 2027

**Project Partners:** Fermata Energy, New Sun Road, Kia North America, UC Davis, UC Irvine, The Climate Center

**Where:** 5 single family homes in CA

This project is funded by the **California Energy Commission's Electric Program Investment Charge (EPIC)**. Agreement Number: EPC-25-020



# Pilot Program & Next Steps

Led by **Nuvve Holding Corp.** and funded by the **California Energy Commission**, we are currently deploying **5 pilot sites** across the state to validate these benefits in real-world conditions.

## Get Involved:

- **Visit BRIDGE'S website, [bridge.nuvve.com](https://bridge.nuvve.com)** for updates and educational materials.
- **Sign up to learn more!**
- **Join the community:** Participate in upcoming webinars and surveys to help shape the future of V2X technology.

# Sign Up On the BRIDGE Project Website Today!

**BRIDGE**  
NUVE

About ▾ Get Involved Webinars Resource Library Project Timeline Community Updates ▾

## Bridging the Gap to a Smarter, Greener Home

Welcome to the **BRIDGE** Project  
(Bidirectional Residential Integration for Dispatchable Grid Energy).

## Get Involved

### Interested in getting involved?

If you're interested in potentially hosting one of the initial deployments of this technology, or being the first to learn more about its commercial availability, sign up to learn more! If you have any questions, the project team can be reached at [bridge@nuve.com](mailto:bridge@nuve.com).

Step 1 of 1 - Survey Page 1

Name

First

Last

Email

Pick one:

- I am interested in being an early user of this technology and would like to provide information about my home energy system to determine if my home is a good fit!
- Please just send me updates when you have them to the email address I already provided.

Submit