# Innovation Incubator (IN2)







## THE IMPACT:

To reduce their carbon footprint and drastically improve sustainability, buildings must support renewable generation and EV charging. Electricity generation and transportation combined constitute two-thirds of all energy consumed and emits more than one-half of greenhouse gases in the United States. PowerFlex minimizes peak power demand, thus capital and operating costs are reduced. Additionally, it enables mass charging and helps integrate renewables, allowing negative carbon footprint.

### **HOW IN<sup>2</sup> IS HELPING:**

PowerFlex Systems is in need of funding for product development, for both hardware and software. The company is seeking help in testing joint optimization of EV charging and grid operation. PowerFlex Systems will also utilize NREL's expertise in executing strategies.

#### TIER 1: Bench Scale

- Concept development stage
- Develop plans for prototyping & testing
- 3 5 years to market

#### TIER 2: Prototype

- Available for testing & validation
- Plans for development of final product
- Less than 2 years to market

#### TIER 3: Commercially Ready

- Models available in limited quantity
- Integrated demonstration
- Less than 18 months to market testing

# **ABOUT THE IN<sup>2</sup> PROGRAM**

IN<sup>2</sup> is a technology incubator that fosters and accelerates early stage technology companies that provide scalable solutions to reduce the energy impact of buildings. Through a \$30 million program funded by the Wells Fargo Foundation and co-administered by the U.S. Department of Energy's National Renewable Energy Laboratory (NREL), sustainable building technologies are able to evolve and develop, contributing to the overall goal of a Smart and Connected Community that uses energy, water and other resources efficiently, reducing the negative impact on the environment.

