

Through the Better Buildings Initiative, the U.S. Department of Energy (DOE) calls on private, public, and non-profit organizations across all sectors to make substantial commitments to improve the efficiency of their buildings and plants, save money, and increase competitiveness. Better Buildings Accelerators are designed to accelerate the adoption of innovative technologies while addressing persistent barriers to greater efficiency.

The Commercial Building Heat Pump Accelerator addresses the challenges to heat pump adoption and creates opportunities for the use of more efficient heat pump rooftop units (RTUs). Heat pump rooftop units (RTUs) are estimated to reduce energy costs by up to 50% compared with conventional RTUs. Heat pump adoption is lagging in cold climates where performance issues have stalled uptake of this technology.

A key part of the Accelerator, the **Commercial Building Heat Pump Technology Challenge**'s goal is to produce innovative heat pump RTUs that help organizations meet their cost, energy, and reliability needs. Manufacturers are challenged to develop new equipment that meets an advanced technology specification developed by the U.S. Department of Energy. DOE, partnering with the National Renewable Energy Laboratory and other laboratories, will develop prototypes with manufacturers, test the performance and durability of the products, and lead field validations with Better Buildings partners. Units will be available for purchase as soon as 2027.

PARTNERS WILL

- ▶ **Commit** to bring to market advanced technologies to meet end user needs, including a heat pump RTU that meets or exceeds the specifications of the technology challenge by the end of 2027
- ▶ **Collaborate** with DOE to better understand barriers, technical challenges, and opportunities for advanced technologies
- ▶ **Provide** quarterly updates on development progress, including preliminary results, product challenges, testing needs, and expected milestone timelines
- ▶ **Share** company's name and logo to be included in technology challenge materials

DOE WILL

- ▶ **Provide** technical support to partners, including by connecting them with National Laboratory capabilities for analysis and testing, and assistance matching field testing locations
- ▶ **Convene** manufacturers, commercial building owners, utilities, state agencies and other stakeholders
- ▶ **Recognize** manufacturers who successfully meet the technology challenge specifications

AGREEMENT

My organization agrees to the General Terms of the Commercial Building Heat Pump Technology Challenge.

SENIOR EXECUTIVE PRINTED NAME

SENIOR EXECUTIVE OFFICER SIGNATURE

SENIOR EXECUTIVE TITLE

SENIOR EXECUTIVE EMAIL

DATE

Point of Contact Information

ORGANIZATION

ADDRESS

REPRESENTATIVE PRINTED NAME

EMAIL ADDRESS

REPRESENTATIVE TITLE

PHONE NUMBER

General Terms:

- ▶ All parties concur that this agreement is wholly voluntary and may be terminated by any party at any time, and for any reason, with no penalty.
- ▶ Partner will not construe, claim, or imply that its participation in the Commercial Heat Pump Accelerator constitutes Federal Government approval, acceptance, or endorsement of anything other than Partner's commitment to the initiative.
- ▶ Partner understands its participation in the Better Buildings Initiative does not constitute Federal Government endorsement of Partner.
- ▶ Partner understands that the activities it undertakes in connection with the Better Buildings Initiative are voluntary and not intended to provide services to the Federal Government. Partner will not submit a claim for compensation to any federal agency.
- ▶ DOE will honor all requests to keep the Partner's information and data confidential.