

## Description

Many refrigerants currently used for HVAC and refrigeration systems have a high Global Warming Potential (GWP). Some of these high-GWP refrigerants are slated for elimination in the coming years. This working group will examine the impact of refrigerants on meeting emissions reduction goals, explore solutions for refrigerant phase-out, and highlight how ultra-low impact refrigerants are being used today.

## Working Group Format

- ▶ Concentrated 1-hour technical discussion once a month for 6 months
- ▶ Each discussion will center on a discrete topic

## Example Subtopics

- ▶ HVAC and refrigeration system configurations
- ▶ High-GWP refrigerant phase down and schedule requirements
- ▶ Development of a refrigerant inventory; measuring and managing refrigerant emissions
- ▶ Solutions for switching to natural refrigerants, including CO<sub>2</sub> systems
- ▶ Solutions for reducing leaks, reducing refrigerant charge, and other related topics
- ▶ Creation of an Action Plan for reducing greenhouse gas emissions from refrigerants

## Outcomes

- ▶ DOE will catalog successful refrigerant replacements, lessons learned in overcoming barriers, experience implementing natural refrigerants, and experience in refrigerant inventory development and management.
- ▶ DOE will develop resources based on partner contributions. Resources may include an action plan template on measuring and lowering the environmental impact of an organization's refrigerant inventory and updating existing resources to match the latest guidelines.
- ▶ Working group members will be recognized for their contributions.

## Expectations for Participating Partners

- ▶ Attendance at a majority of working group meetings
- ▶ Contribution of insights and experiences with low-impact refrigerants
- ▶ Collaboration with DOE and Laboratory staff to assist in the completion of action items between meetings
- ▶ Many working group members may already be in the process of exploring low-impact refrigerant strategies; however, partners that are in the early stages are welcome to participate in the working group as well