

# COLLABORATIVE NATURAL GAS PROGRAMS BENEFIT UTILITIES AND THEIR CUSTOMERS



## UTILIZATION TECHNOLOGY DEVELOPMENT

### MISSION

Identify, select, fund, and oversee research projects resulting in innovative solutions which expands the use, cost effectiveness, and efficiency of natural gas utilization equipment.

### GOALS

#### PROVIDE A PATHWAY FOR INNOVATIVE NATURAL GAS SOLUTIONS

Ensure the continued viability of the natural gas distribution business by bringing cost-effective, efficient, and competitive natural gas solutions to market.

#### SAVE CONSUMERS MONEY

Advanced gas technologies save consumers money by increasing energy efficiency and lowering the upfront cost of new equipment. Expanding the customer base mitigates cost increases by spreading the cost of service over a broader base.

#### ENABLE EFFICIENT FUEL CHOICE

Customer interests are represented in a complex and evolving regulatory codes and standards arena to advocate for the most efficient use of energy resources, such as the direct use of natural gas for space and water heating.

#### MINIMIZE ENVIRONMENTAL IMPACTS

Advanced combustion, heat-recovery, and natural gas heat pump applications are being developed to provide next-generation options for energy efficiency programs. Emission control technologies are being developed to meet the most stringent environmental standards to enable the continued use of clean and efficient natural gas.

#### INTEGRATE WITH RENEWABLE ENERGY SOURCES

Natural gas technologies are being integrated with renewable energy to provide even further efficiency gains, environmental benefits, and consumer choice.

### HOW WE DO IT

- Introduce advanced appliances to the marketplace through technology evaluations, lab testing, and field demonstrations—all important steps to reach commercial viability
- Reduce the cost of emerging technologies through improved design and greater deployment
- Provide codes and standards support and expertise for regulatory proceedings and innovative product development efforts
- Develop and validate technologies (GHPs, NGVs, micro-grids and mCHP) for true market transformation.
- Integrate with renewable energy sources to impact zero net energy