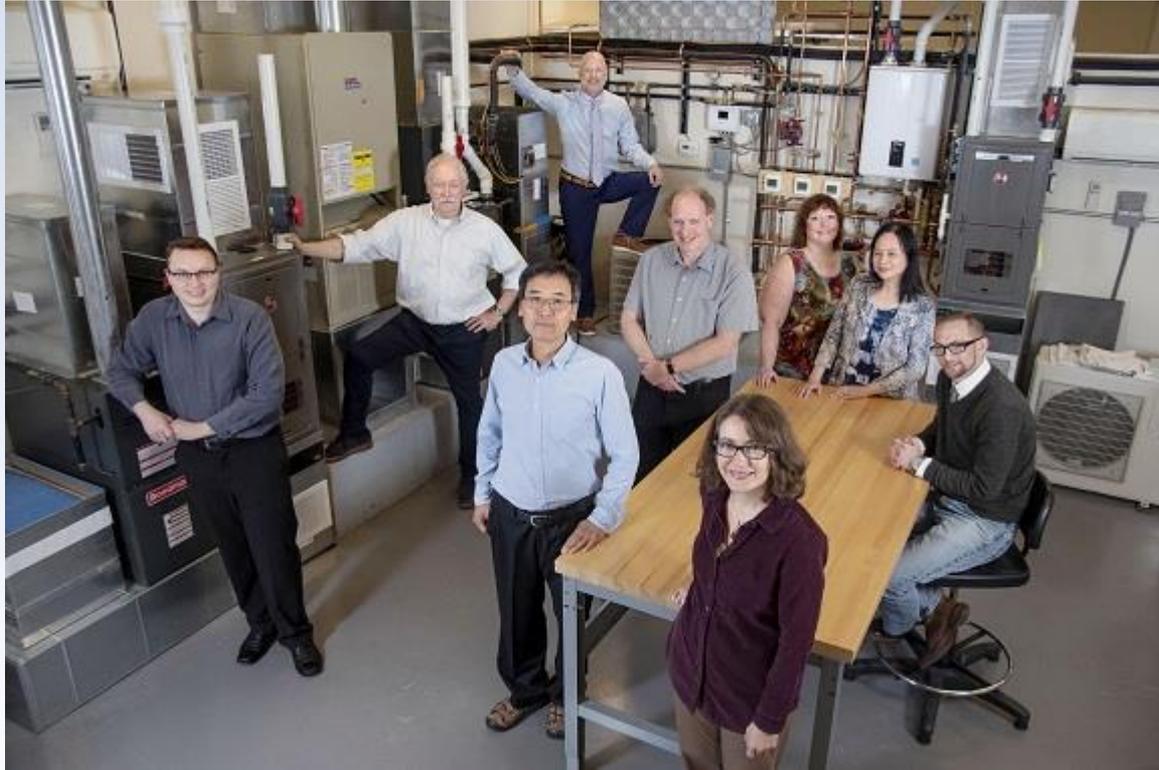
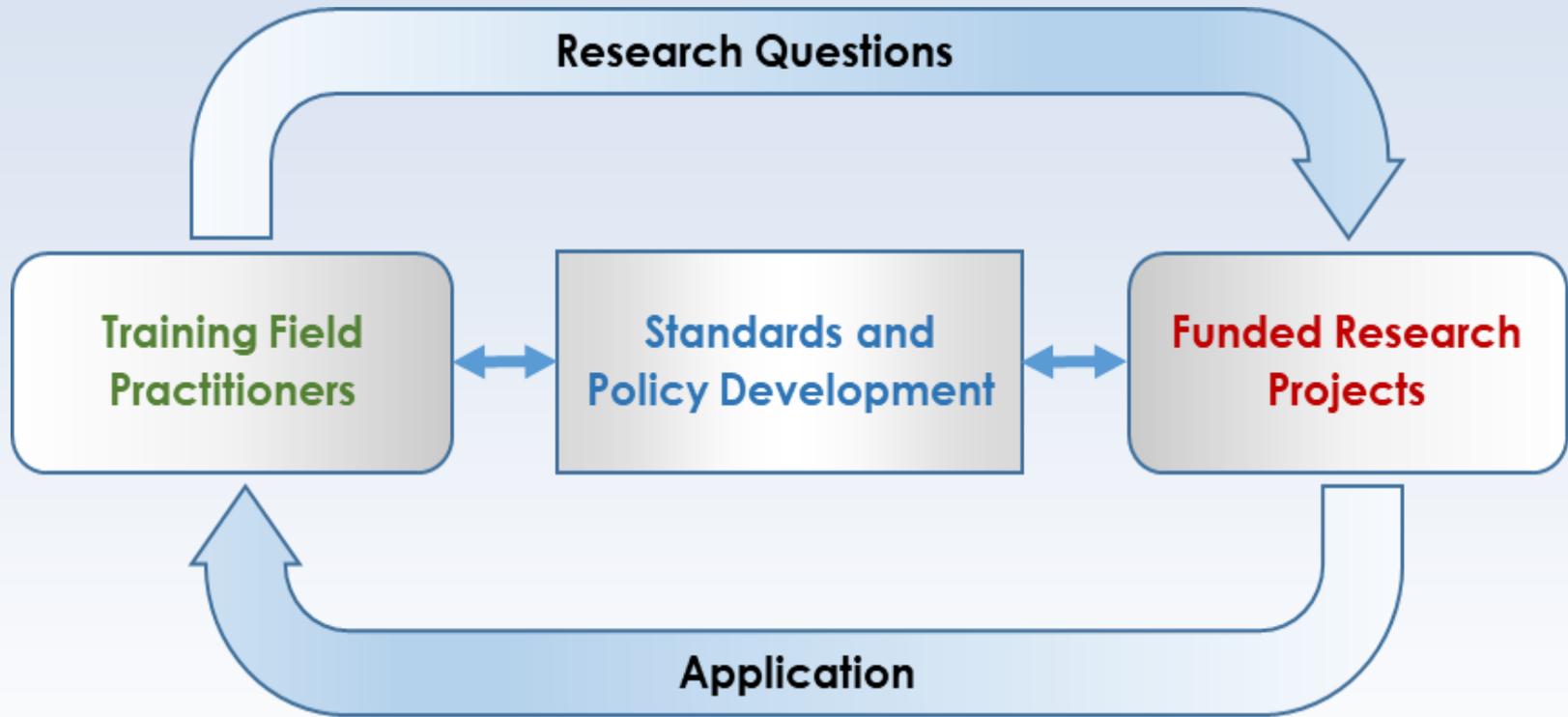


Indoor Climate Research & Training



Website:
icrt.appliedresearch.illinois.edu

ICRT IMPACT



The Issue: Residences replacing gas furnaces do not qualify for heat pump incentives.

- ▶ Lack of incentive applies to both income qualified programs and residential incentives.
- ▶ ComEd: “A new air source heat pump installed to replace another type of heating system, such as a natural gas furnace, **does not qualify.**”
- ▶ Ameren: Incentives apply only for replacements of heat pumps, all electric furnaces, and electric baseboard heat.

Misunderstandings about heat pumps lead to some true and false claims

- ▶ Too expensive to run in the winter time (due to auxiliary heat in low temperatures)
- ▶ Doesn't get the house warm enough, need to supplement with another heat source like a portable heater (also expensive)
- ▶ Contractors might hesitate to install heat pumps because after having a gas furnace the customer might not like the new system. Some might say: Heat pumps just don't work in Illinois, with resistance to adopting newer more efficient technologies. (Heat pumps are installed in Vermont, Canada, Minnesota etc. They work.)



Solving both problems: Dual Fuel



AC Coil

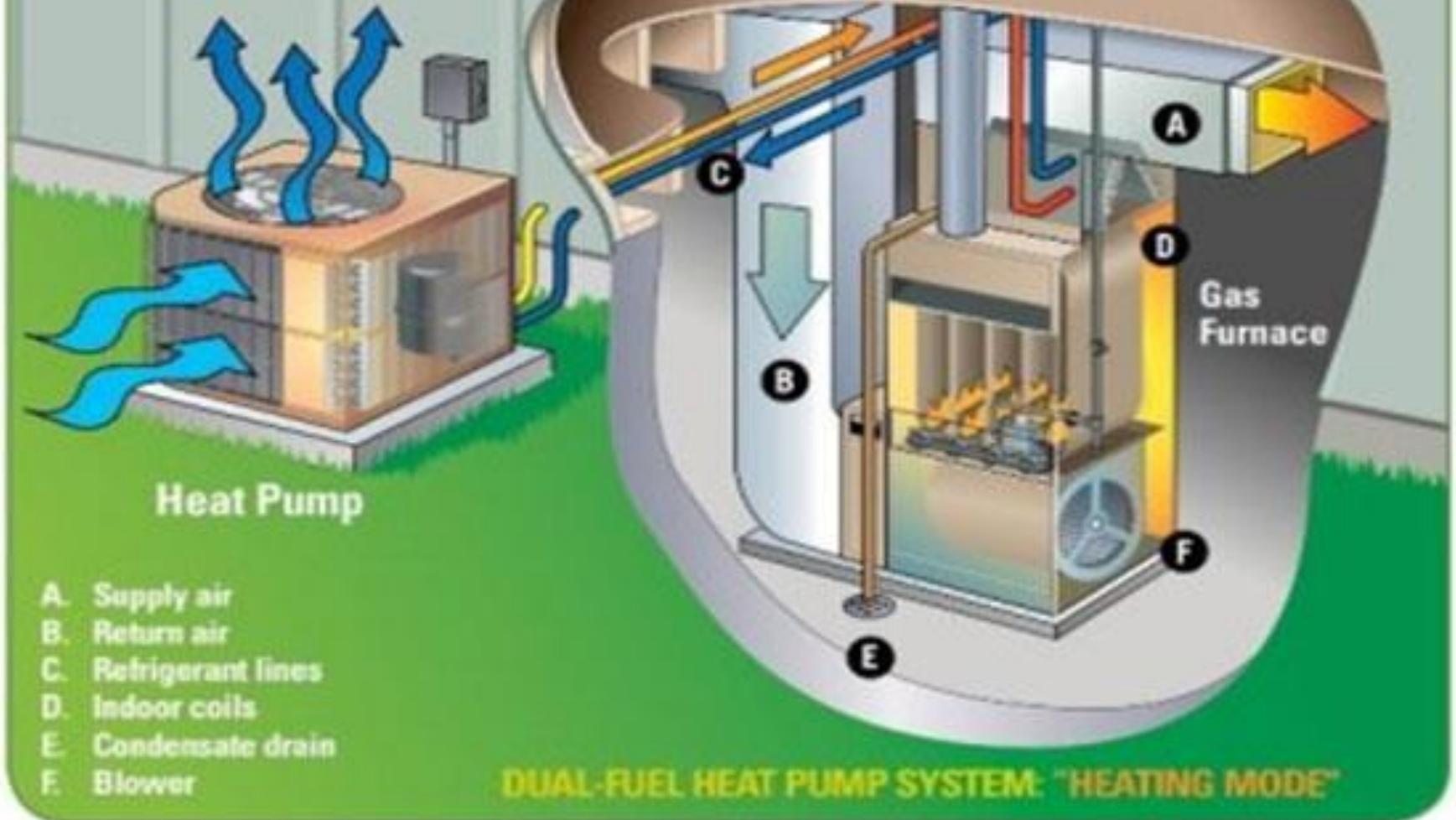


Heat Pump AC
Condenser



Gas Furnace

How it works



Implementing Incentives

- ▶ Utilities can incentivize dual fuel hybrid heat pump systems through existing marketing channels, consumer education, and through utility contractor partners.
- ▶ Residential customers receiving rebates for Dual Fuel Heat Pumps as part of the HVAC installation rebate program will have more options when selecting from the most energy efficient options for HVAC technology for their home.



Questions?

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