# The Role of Non-governmental Organizations in Harnessing Individual Action to Reduce GHG Emissions

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# Net Zero A Roadmap for the **Global Energy**

# Actions that Reduce Energy

- Reducing excessive or wasteful energy use
- Transportation mode switching
- Materials efficiency gains

## **Key Points**

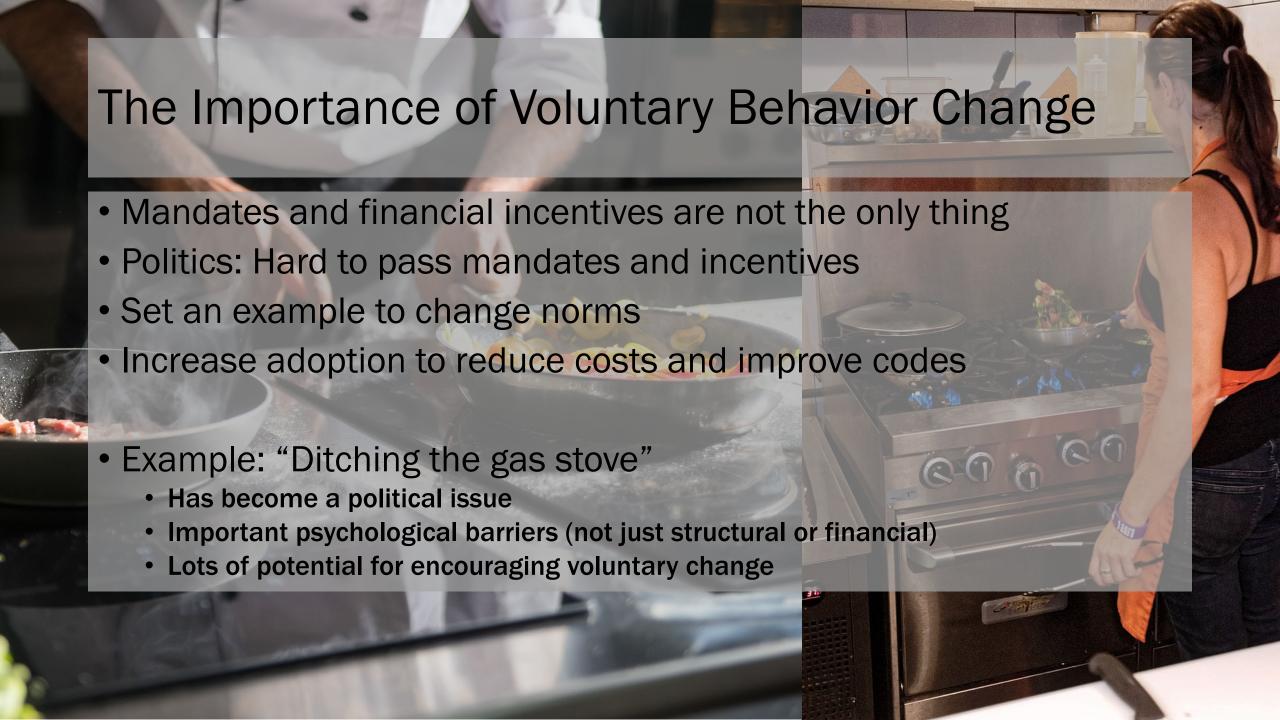
Efficiency > Curtailment
Important behaviors require programs and policies

Energy Ag

## Utilities Understand This

- Energy utilities are among the biggest investors in efficiency
  - There's a business case

Estimated Savings
1.2%-2.2%
5%-8%
N/A
~5%
N/A
Up to 23%
N/A
~20%



### The Role of Non-Profits like ACEEE



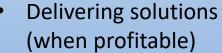
#### Academia

- Theory development
- Theory-driven research

#### **Non-Profit**

- Bringing research to practice in government and business
- Convening stakeholders
- Promoting and disseminating

#### **Business**



 Drive change through big investments



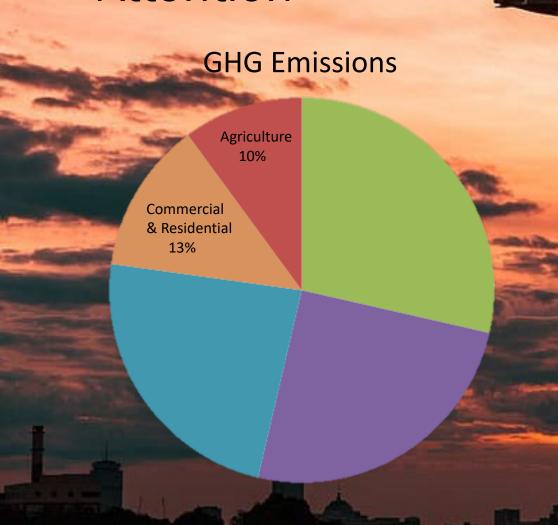
#### Government

- Implementing programs
- Creating policies





New Opportunities: Behaviors That Need More Attention



#### Transportation

- Most work is on short personal trips (car, bus, walk, bike, etc.)
- Not enough on personal long-haul travel (plane, boat, etc.)
- Not enough on professional travel (bus drivers, truckers, taxi/ride-hailing)

#### Buildings

- Most work is on curtailment
- Not enough on home energy upgrades
- Not enough on home purchase/rental decisions

#### Industry

 Not enough on organizational decision-making and operations/maintenance



Detroit, MI

\$1200

Beds: 2

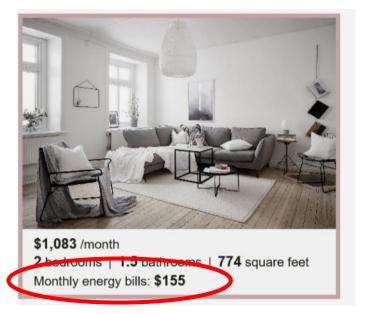
Apartments

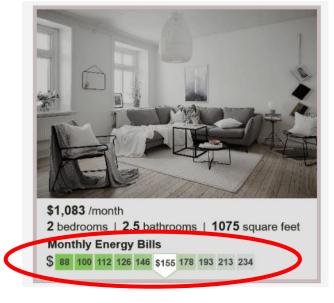
#### Apartments in Sherwood Forest, Detroit MI

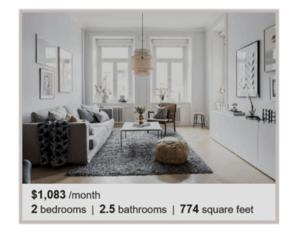


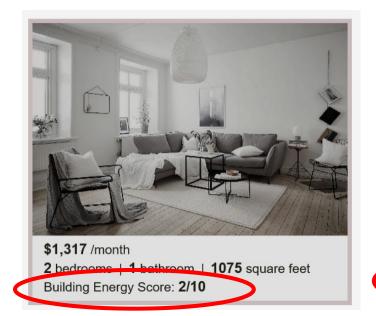
2 bedrooms | 1.5 bathrooms | 1075 square feet

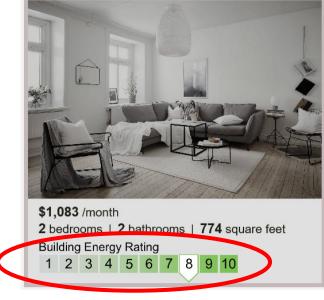














#### Conclusion

- Voluntary individual action matters
- Programs and policies are needed for the most important actions
- Some of the most impactful behaviors are understudied
- Non-profits play a key role in making research have impact





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