
Beneficial Electrification League:
Electrify Iowa!
Stakeholder Dialogue



September 5, 2019

Key Pillars of Deep Decarbonization



ENERGY EFFICIENCY



RENEWABLE ENERGY



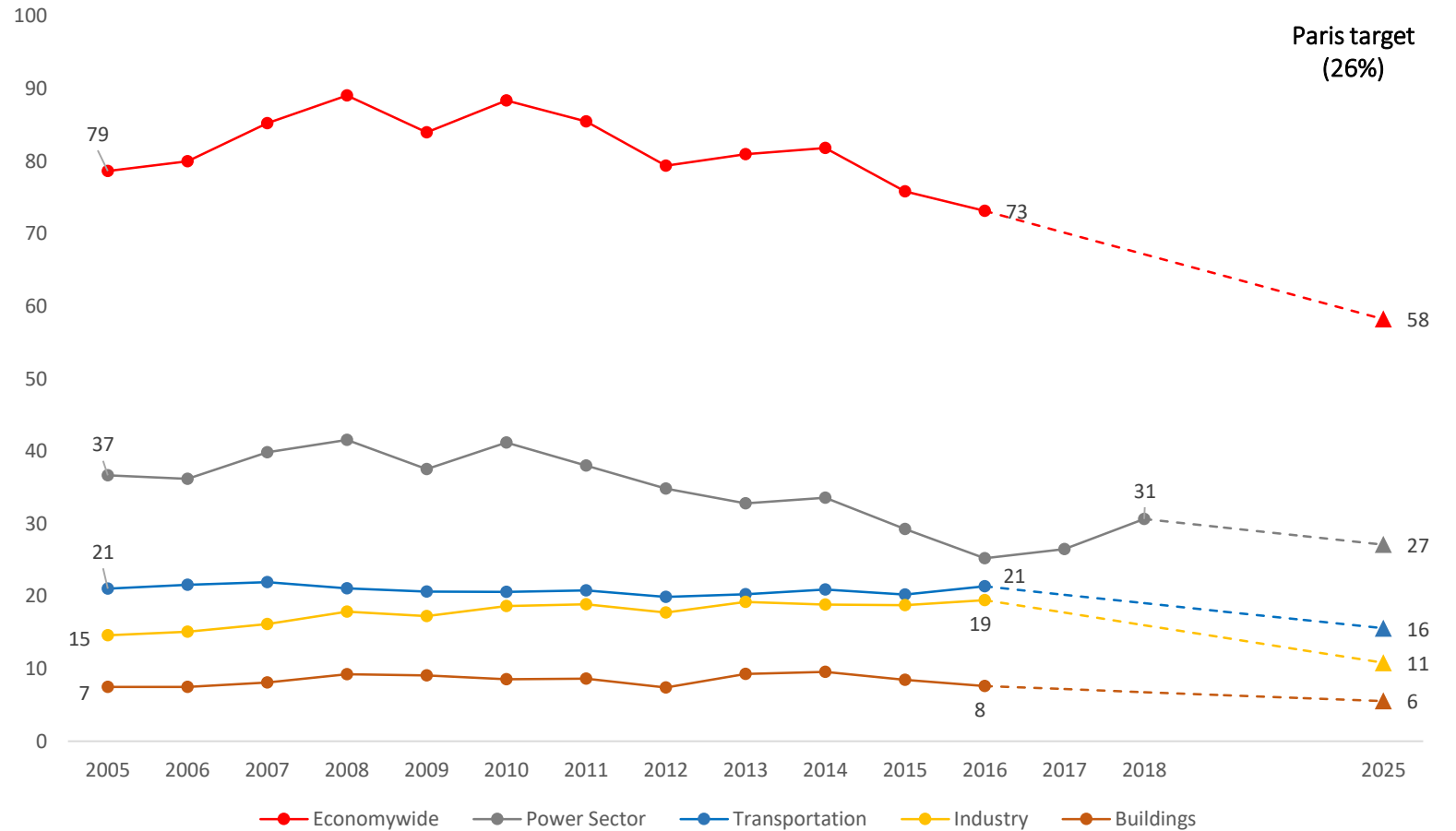
ELECTRIFICATION

Iowa's Progress Towards Meeting the Paris Climate Goals

	% towards Paris target
Economywide	27%

Much of the decarbonization has occurred in the power sector, driven by coal retirements and large investments in wind energy.

The remaining sectors have not seen much movement, with an increase in industrial emissions compared to 2005.

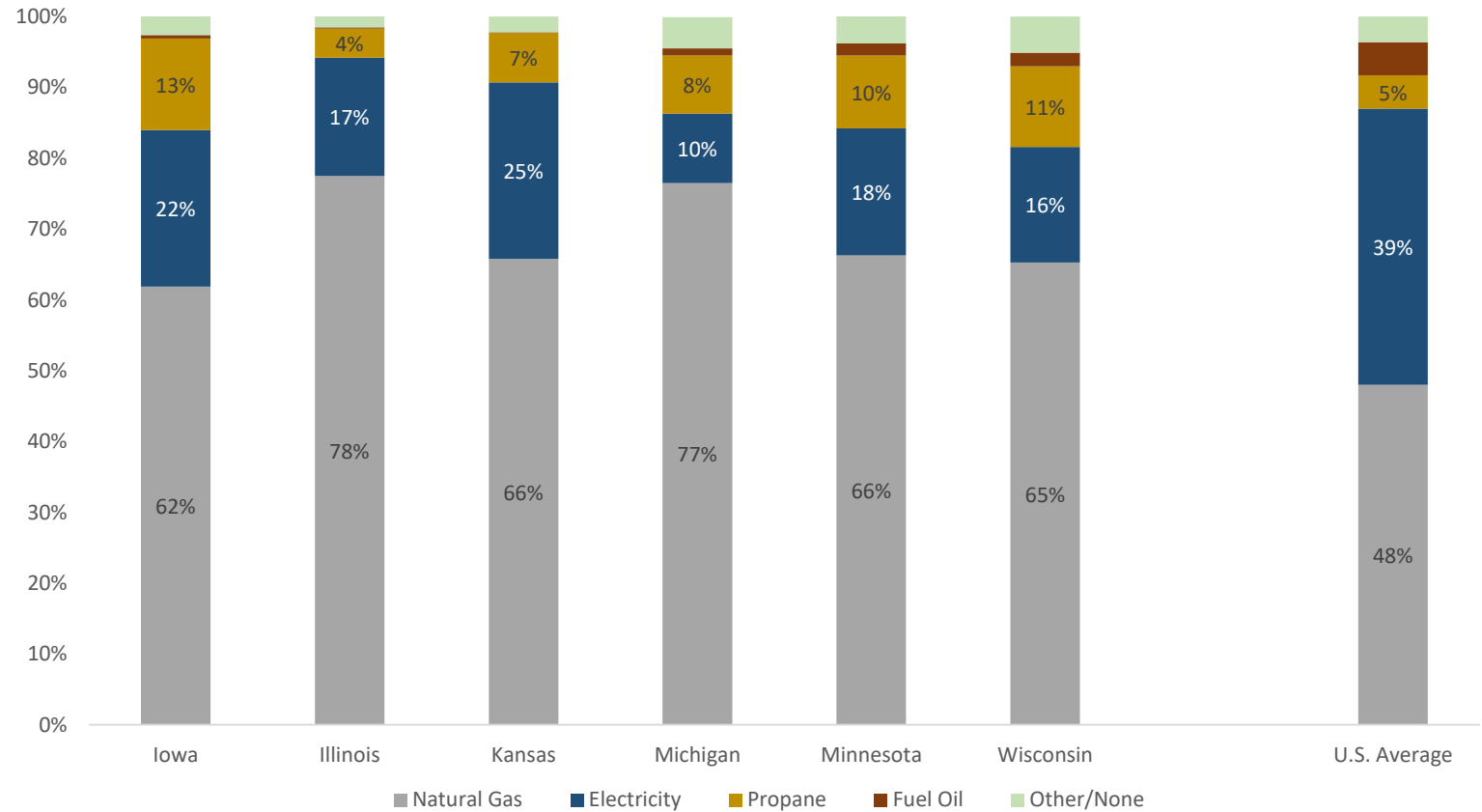


Energy Source Used for Home Heating (2017)

Percentages reflect share of households

Midwest households are more reliant on natural gas for home heating compared to the U.S. average.

Iowa has the second highest share of households that utilize electric appliances for heating as well as the highest share of households that burn propane.



Source: EIA

So... How do we get this done??

Near-term policy options for existing building stock:

- ❖ Start w/ areas heated by unregulated fuels like fuel oil/propane
- ❖ Retrofit electric resistance w/heat pumps
- ❖ Build out existing EE programs (whole home, low-income)
- ❖ Consumer awareness/education, and contractor awareness

Longer-term opportunities

- ❖ New construction programs
 - ❖ Limit new NG hookups (*more aggressive “ban” approach*)
 - ❖ Building codes - Stretch, “zero codes”
- ❖ Carbon intensity standard in existing buildings
- ❖ Limit NG distribution system buildout/CapX

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