

# Energy Northwest Public Power Forum

October 26, 2023

CLEARPATH

# ClearPath's Mission & Vision

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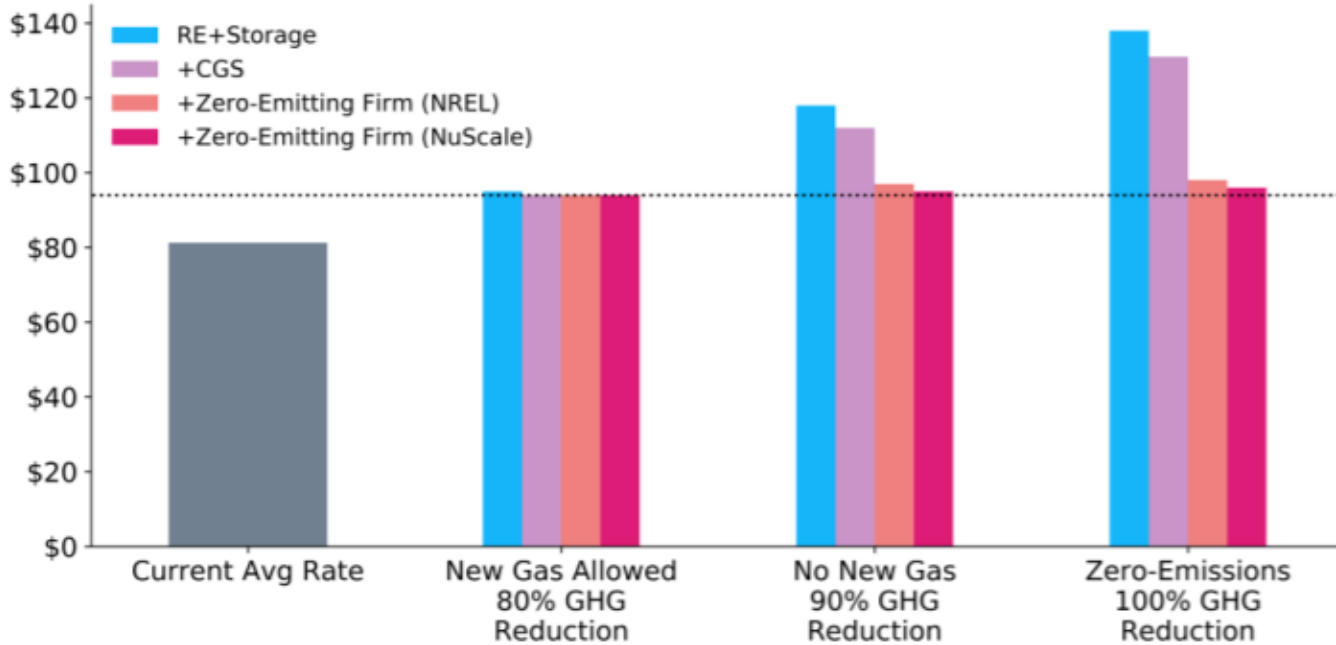
**Mission:** Develop and advance policies that accelerate innovations to reduce and remove global energy emissions.

**Vision:** America leads the world in addressing climate change by developing innovative, market-competitive clean energy technologies.

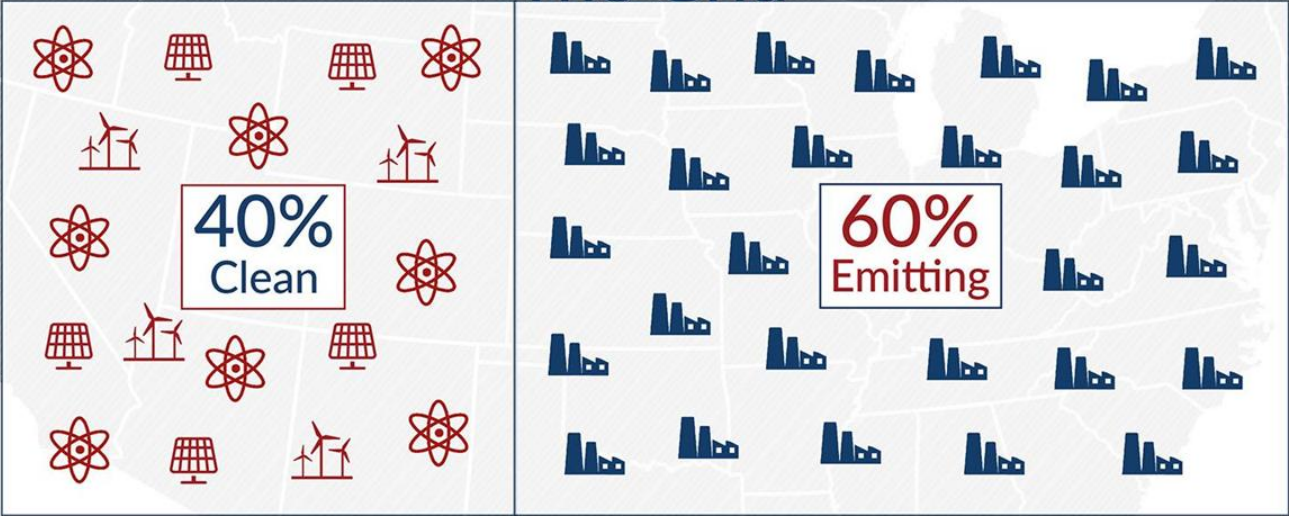


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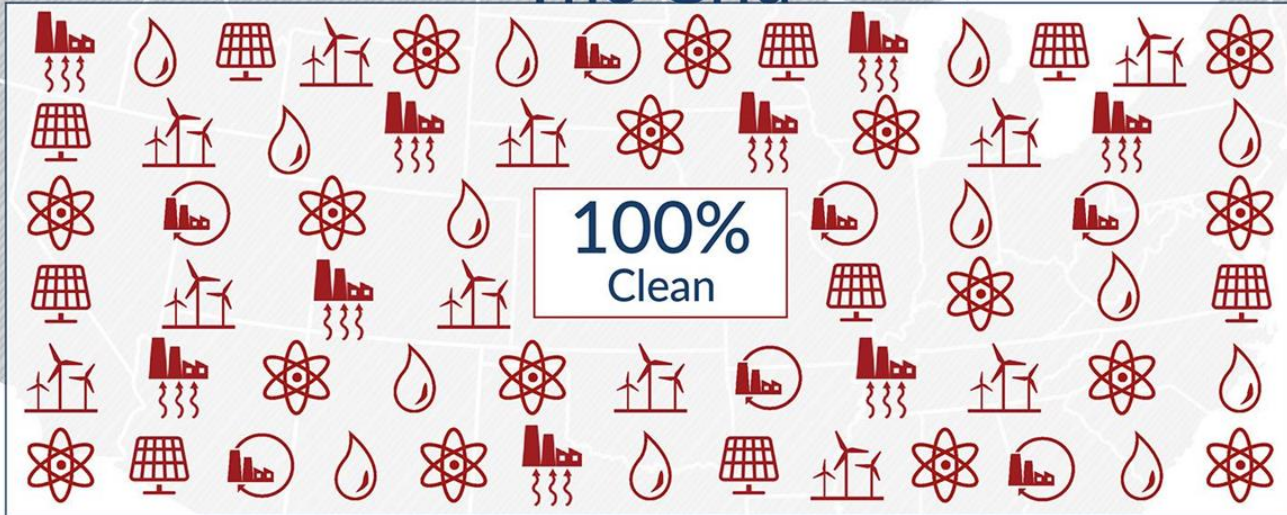
## E3 Study: 2045 electricity rates under different resource and emissions scenarios



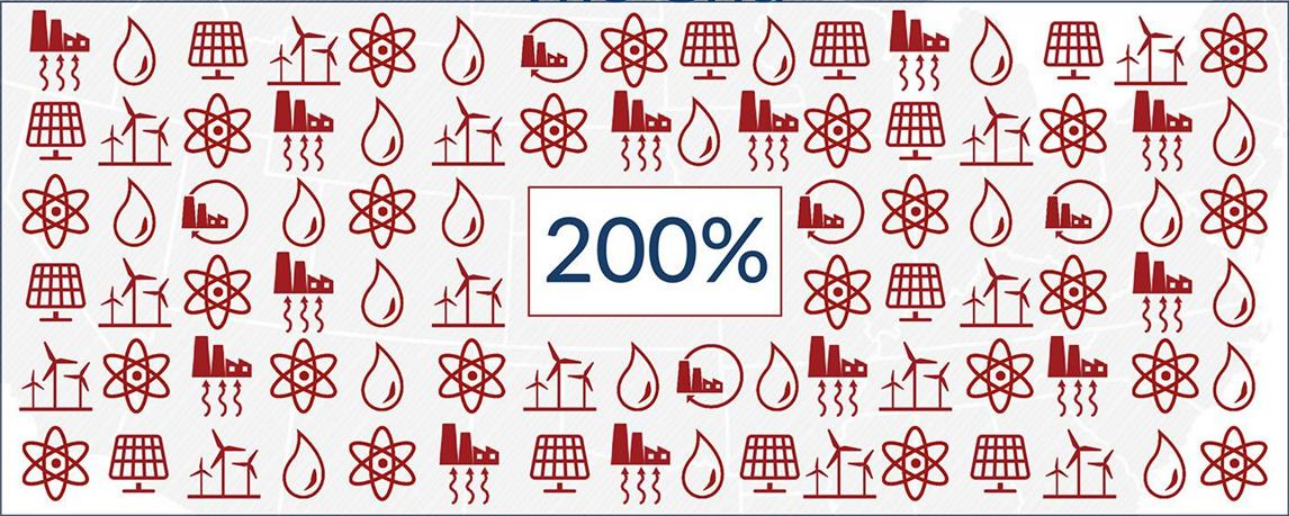
# The Grid



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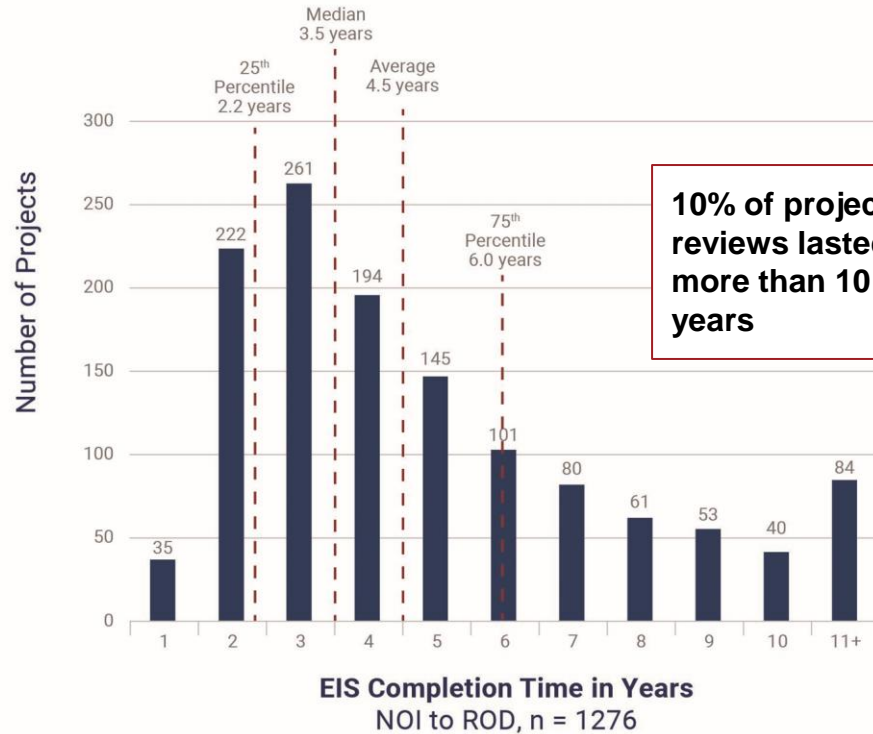


# The Grid



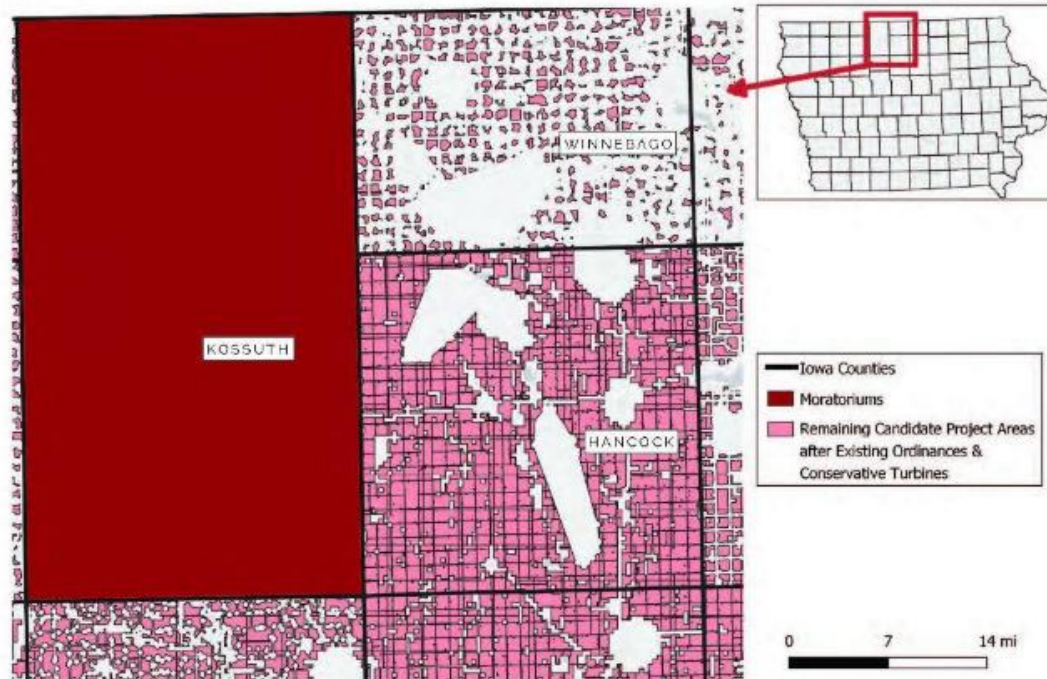
# Current Permitting System is Slow and Broken, For All Types of Energy

Distribution of EIS Completion Time (NOI to ROD)  
All EISs Completed 2010-2018





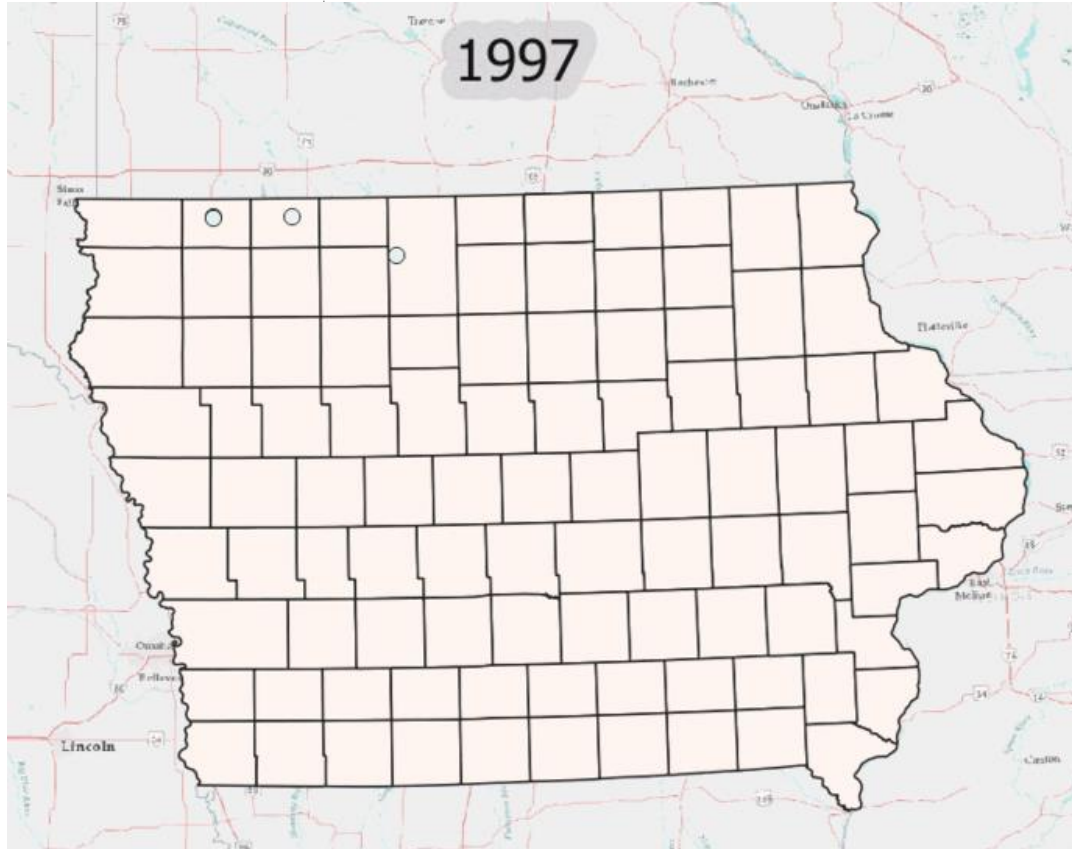
# Hawkeye Headwinds: Spatial Downscaling Analysis of Wind Siting Limits



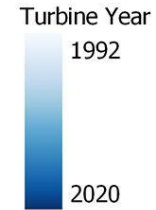
SOURCE: NZAP (2021); IOWA DNR (2020); CLEARPATH IOWA WIND ORDINANCE DATABASE

**EXAMPLE OF REMAINING CANDIDATE PROJECT AREAS (CPAs) BASED ON CURRENT ORDINANCES IN THREE COUNTIES**

# Hawkeye Headwinds: Iowa Wind Energy Case Study



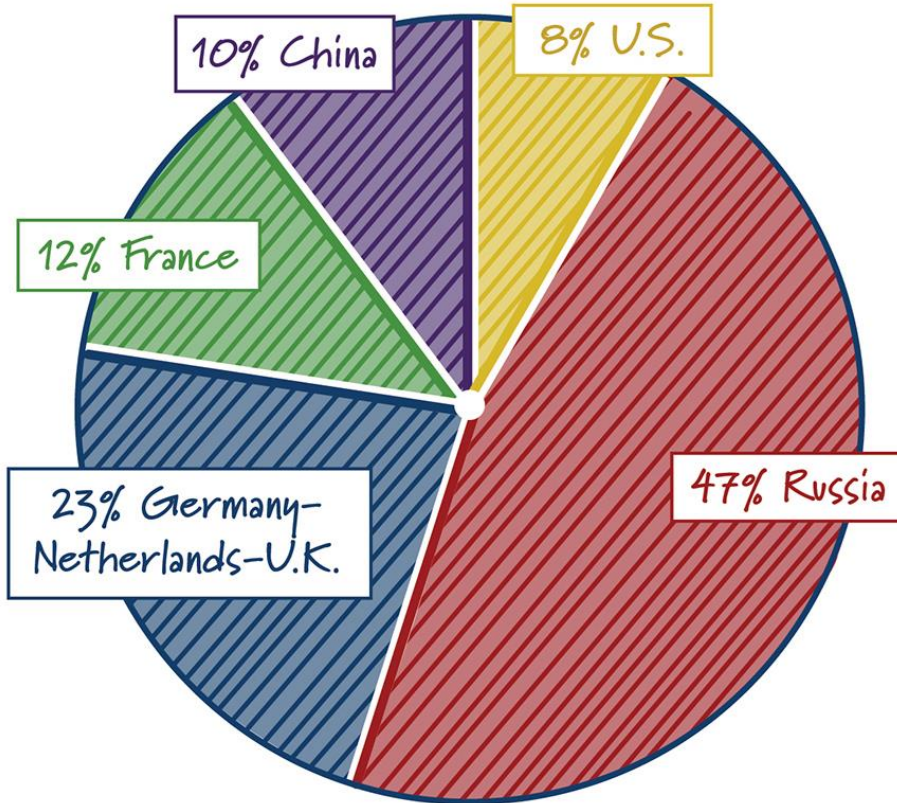
○ Wind Turbine



Ordinance Stringency

- No Ordinance
- Permissive
- Prohibitive
- Moratoriums

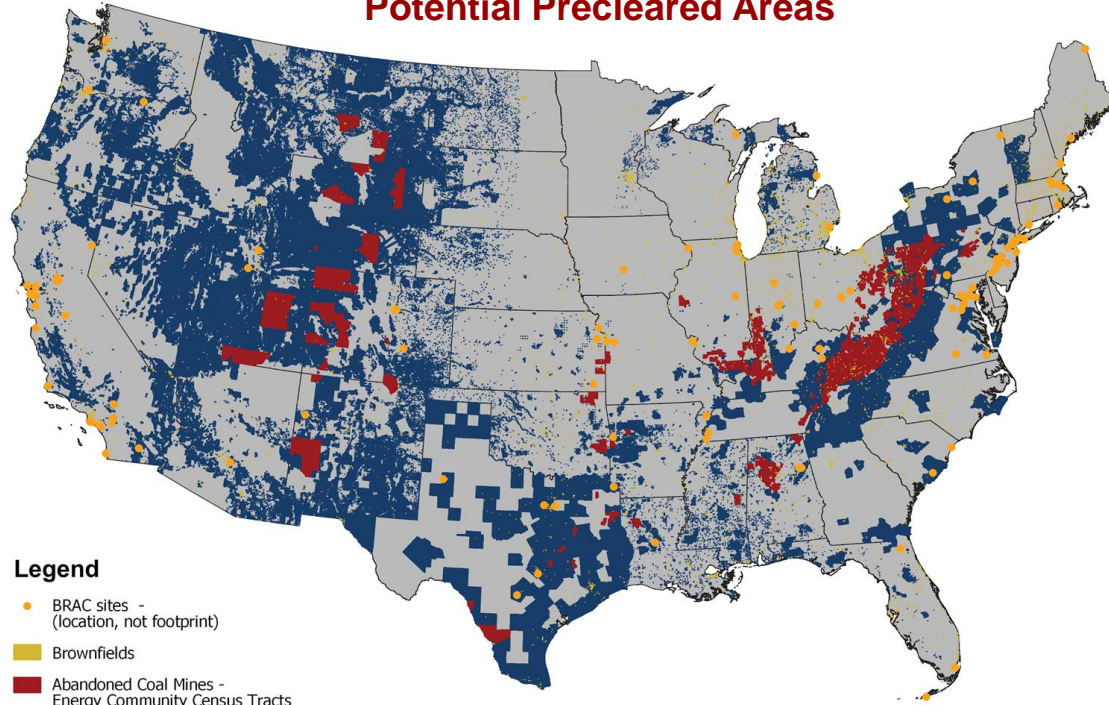
# The Need for U.S. HALEU - Global Enrichment Capacity



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# Preclearance is Key to Deploying Projects at Scale and On Time

## Potential Precleared Areas



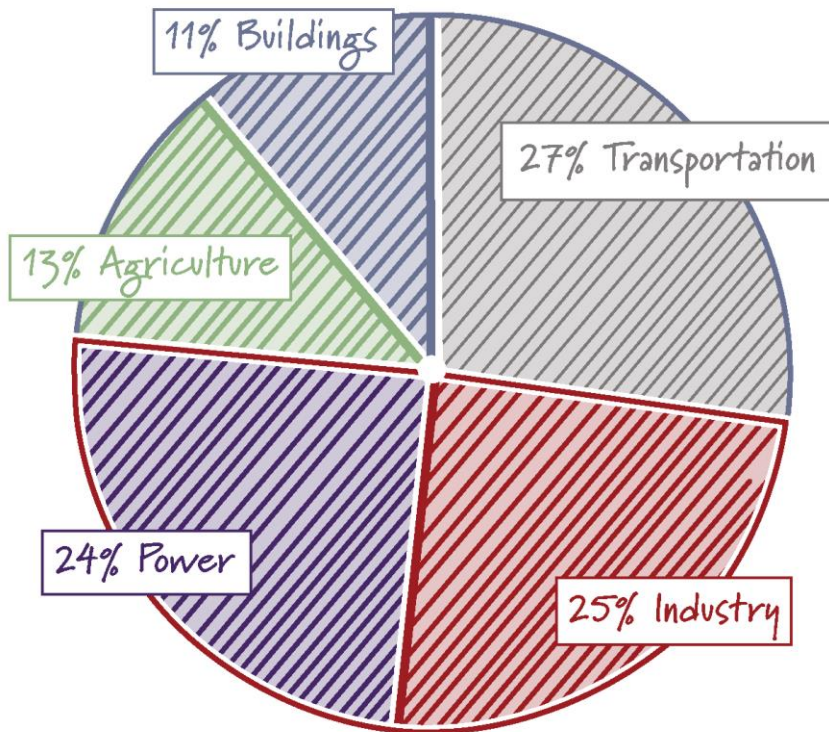
### Legend

- BRAC sites -  
(location, not footprint)
- Brownfields
- Abandoned Coal Mines -  
Energy Community Mines Census Tracts
- Oil & Gas Leases
- State Borders

Source: ClearPath

# Industrial Decarbonization

## 2020 U.S. GhG Emissions



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