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IEPR Workshop on Energy Efficiency and Building Decarbonization

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About Environmental Defense Fund

Guided by science and economics, we tackle urgent threats with practical solutions



EDF is a 501(c)(3) nonprofit organization.

Our people: We're one of the world's largest environmental organizations, with more than two million members and a staff of over 700 scientists, economists, policy experts, and other professionals around the world. We have over 400,000 active members in California.

Our values: We believe prosperity and environmental stewardship must go hand in hand. We're optimists, because we have seen our ideas make a huge difference. And we build strong partnerships across interests to ensure lasting success. See more on our [mission and values](#).

Our focus: We achieve results by finding solutions that benefit people while protecting natural systems.



EDF's Methane Research



Science

Peer-reviewed studies analyze oil and gas supply chain methane emissions



Collaboration

More than 100 academic and industry partners



Results

Multiple studies find emissions are higher than official estimates



Lessons Learned



Higher Emissions

As a whole, oil & gas methane emissions are higher than conventional estimates suggest.



Super Emitters

Recurring Problem that needs to be addressed



Regulations Work

Reducing emissions through regulations is straightforward & narrows ranges of company performance

**Aliso Canyon: The
largest natural gas leak
in history**



California Buildings

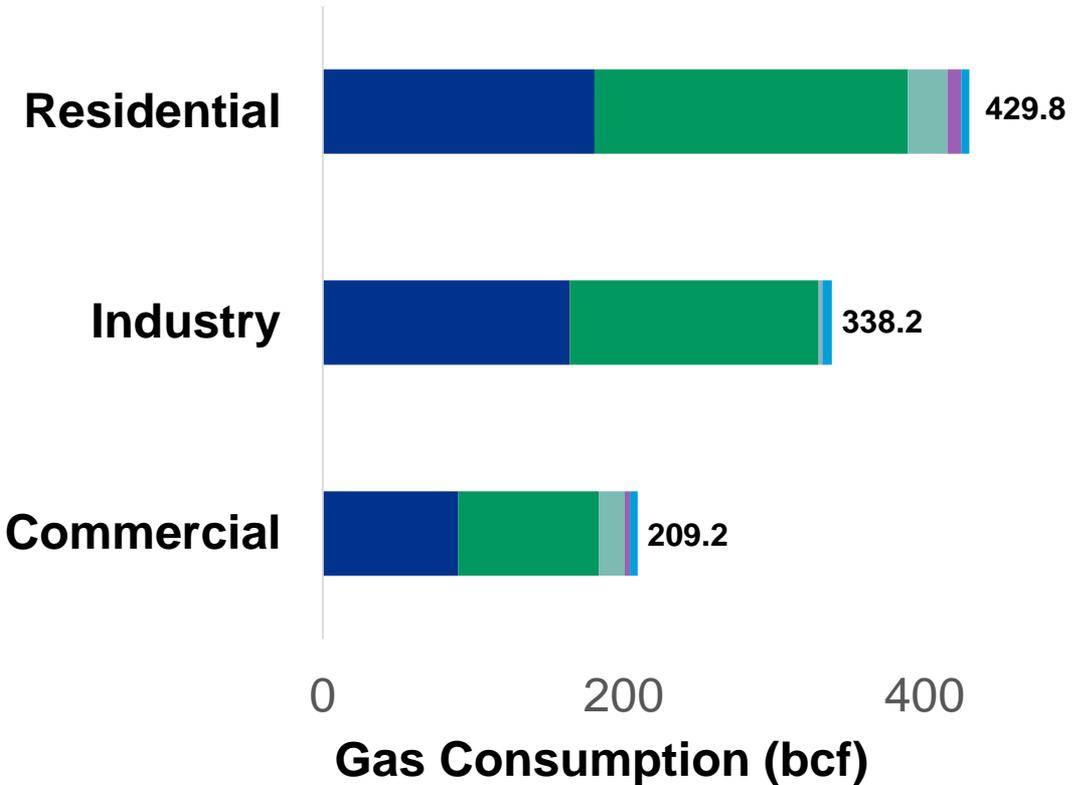
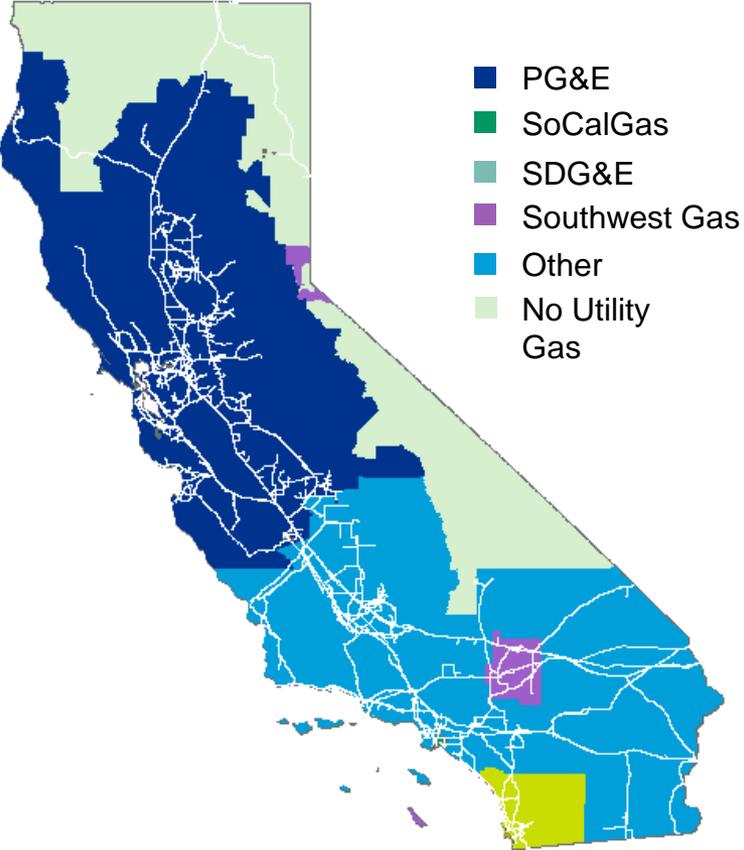
The state's goal should no longer be to have an **efficient** building but to have a **decarbonized** building.



Electrification and Decarbonization

If the IEPR indicates that **electrification** is the most cost effective way to decarbonize,, then what do we do with the **legacy gas assets** already in the ground?

California's Gas System



Targeting Decarbonization

How do we target building decarbonization using legacy investments in the gas system as a criteria?

Considerations should include several factors, including remaining book value, anticipated new investments, customer profiles, etc.



Alternatives to Electrification: H₂ and RNG

Prioritizing Alternative Fuels

How do we prioritize H2 and RNG as we decarbonize buildings?

Focus on larger non-core customers such as industrial?





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