



CLEAN AIR  
TASK FORCE

# Enabling Industrial Innovation Through Policy

Feb 10-11, 2026

Industrial Process EmeRging Technologies (IPER) Workshop

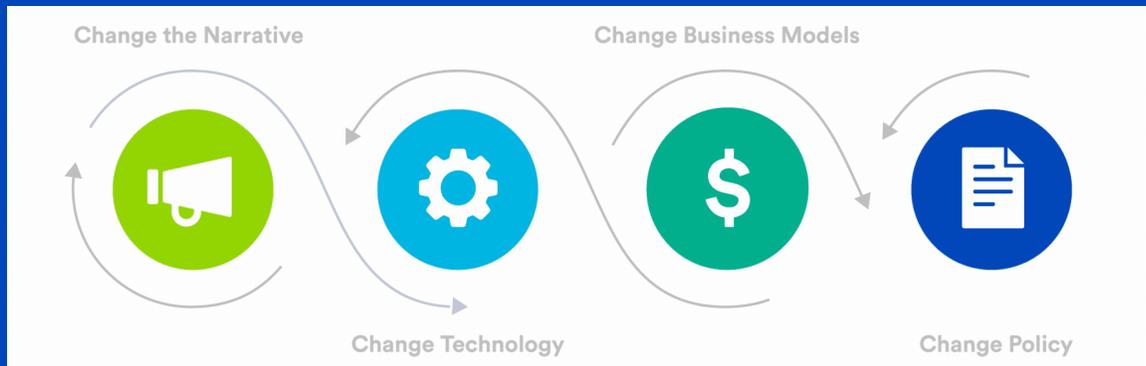
SwRI, San Antonio, TX

# CATF at a Glance

## The Organization:

- Founded in 1996
- Headquartered in Boston, with 120 staff globally

**The Mission:** Lead the way to an affordable, zero-carbon energy system by advocating for pragmatic policies, new business strategies, and advanced technologies.



## Our approach to driving change:

- **Change the Narrative:** to communicate the size of the problem and totality of solution requirements.
- **Change technology:** to build the full suite of options like low-carbon fuels, carbon capture, advanced nuclear, and superhot rock geothermal at an affordable cost.
- **Change Business Models:** to include modular, manufacturable energy systems that can be deployed anywhere quickly.
- **Change Policy:** to develop, demonstrate, and scale up all the technologies and systems needed to achieve zero emissions.

# U.S. Success Stories

## Incentives: CATF's Role in Securing \$85/ton 45Q Tax Credits for CCS

- Created the \$85/ton credit level and led the technical modeling to show large-scale adoption.
- Developed multiple \$85/ton policy options and worked with diverse coalitions to “sell” it decision-makers.
- Maintained momentum through setbacks, ensuring the final IRA included 45Q at \$85/ton.

## Analysis: Industry-informed Research and Thought Leadership



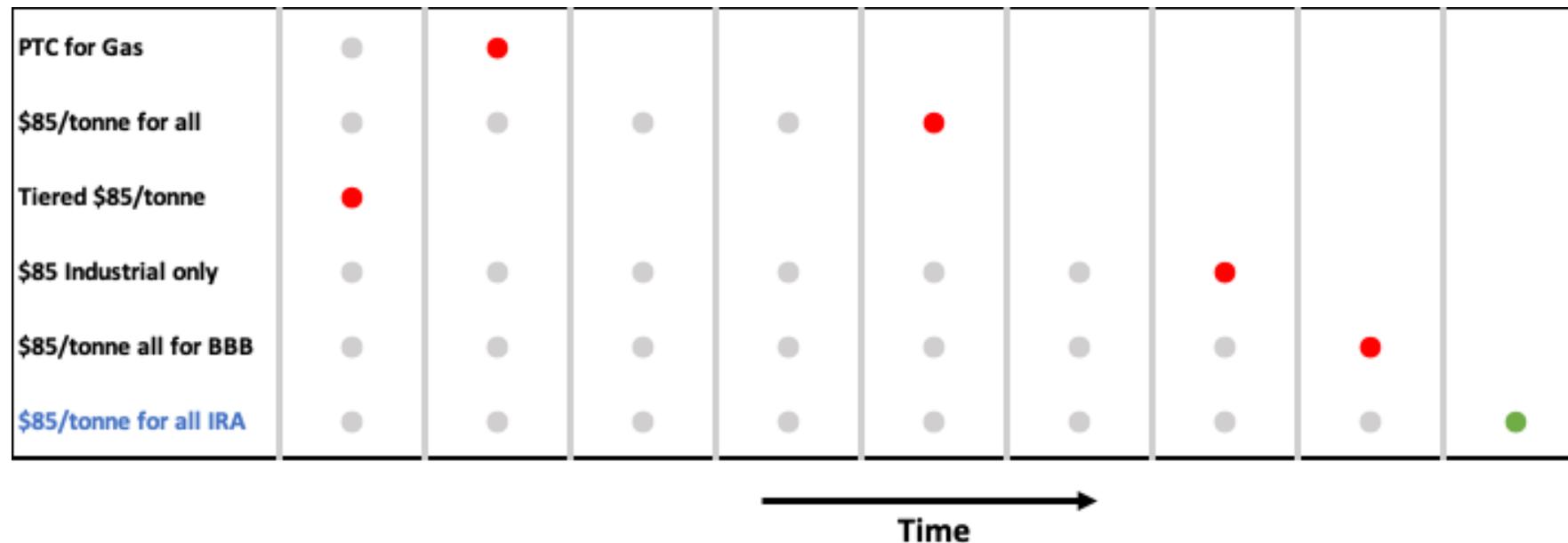
## Today: Adapting Carbon Capture to a Republican Political Environment

- Recasting carbon capture in Republican values to gain wider acceptance—exports, AI dominance, energy dominance.
- Defending and expanding 45Q tax credits.
- Streamlining storage and CO<sub>2</sub> pipeline permitting.
- Advancing CCS on gas-fired power plants as electricity demand increases.

# Policies: Create a portfolio of different policy options

Portfolio hedges against risks and uncertainty in a dynamic legislative or regulatory environment.

- Under consideration
- **Failure**
- **Success**



## Common Traps

- Ignore ecosystem barriers.
- Fail to properly identify development stage
- **No portfolio of policies, only one approach.** No hedge against risks and uncertainties
- **Too Complex-** Sometimes simple policies that extend existing ones can be enacted faster.
- **Stacking weak policies vs. one strong policy.**

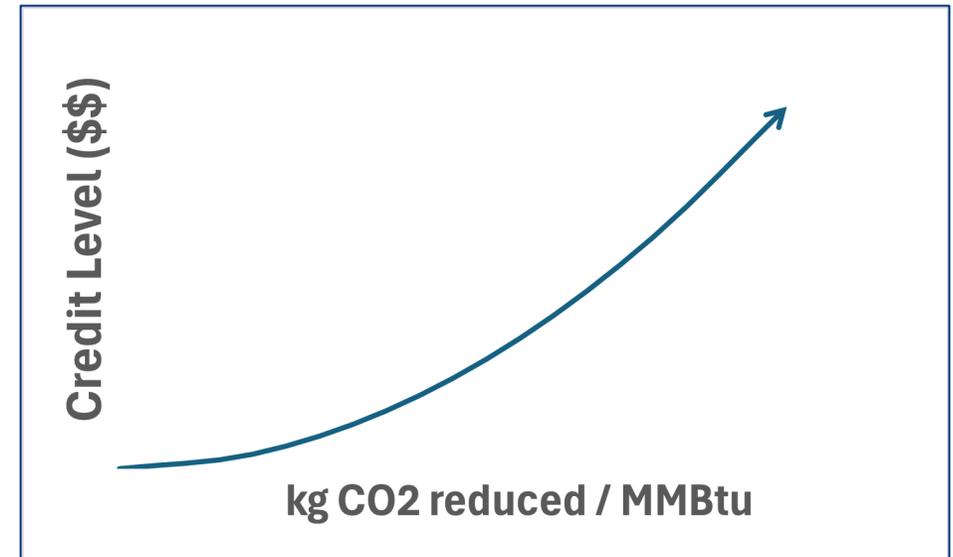
# Policy Example: Performance-Based Clean Industrial Heat Credit

*A tech-neutral incentive that rewards CO<sub>2</sub> reductions per unit of heat delivered to a process: includes electrification, thermal storage, low- or no-carbon fuels, advanced heat pumps, and next-gen technologies.*

## Design Considerations:

- Selecting a baseline or minimum thresholds
- Target cost premiums for different sectors (correlate value to temperature)
- Based on useful heat
- Process emissions adders
- Include non-GHGs (may drive towards electrification)
- Match existing reporting schemes
- CapEx & OpEx inclusion
- etc...

Illustrative example



# Partner with CATF to Advance Industrial Innovation:

## Industry can work with us by:

1. Sharing Technical and Market Insights
  - Share barriers to technology deployment and techno-economic realities
  - Provide feedback on our research and thought leadership
2. Co-Developing Durable Industrial Policy
  - Jointly develop policy and share ideas
  - Collaborate on modeling and scenario analysis
3. Advancing High-Impact Industrial Action
  - Join coalitions to push impactful federal and state policy
  - Share messaging and highlight successful projects

# Thank you!



CATF EXPERT

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