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# H.332 Energy Code Administration Testimony

AN ACT RELATING TO A BUILDING ENERGY CODE STUDY COMMITTEE

**Richard Faesy, Principal**

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# Energy Futures Group

Vermont-based clean energy consulting firm established in 2010

## Areas of Expertise

- Energy efficiency & renewable energy
- Program design
- Integrated resource planning
- Policy development
- Expert witness testimony
- Building codes
- Evaluation
- Cost-effectiveness

## Range of Clients

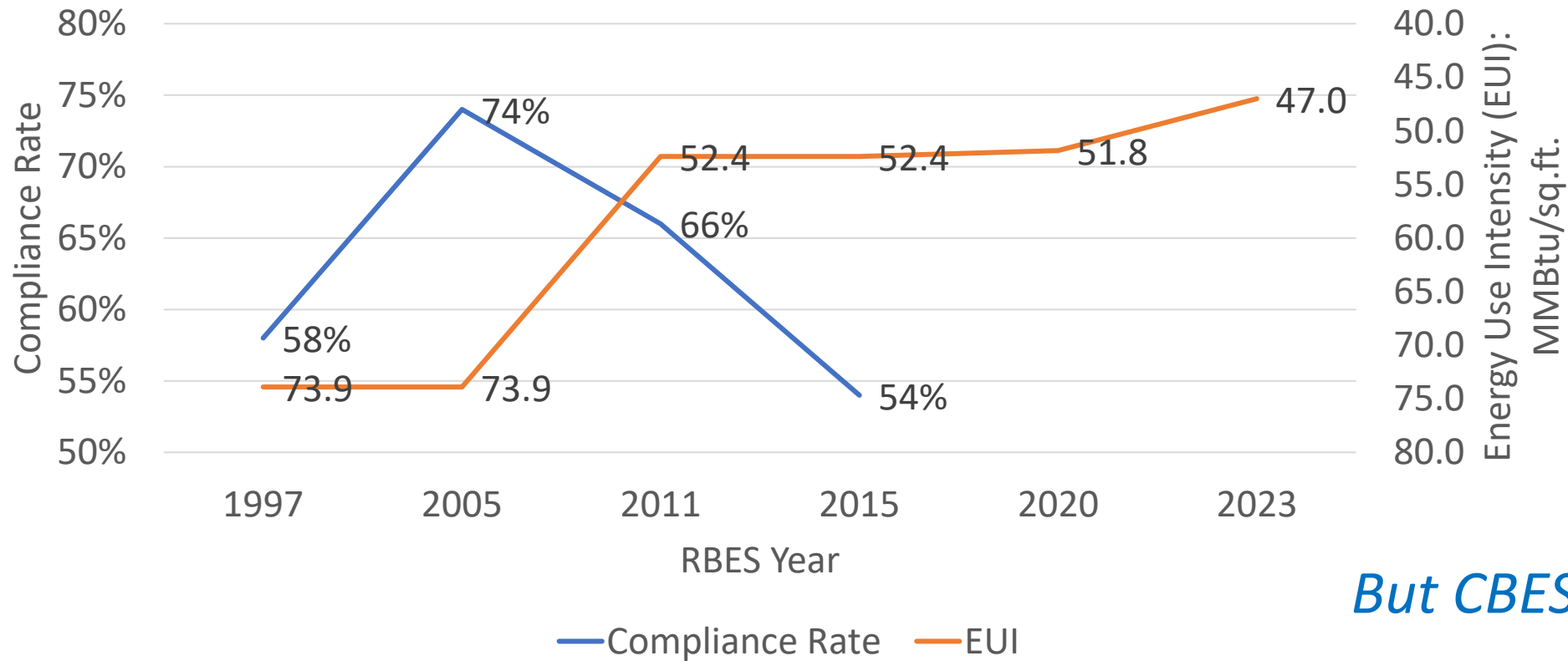
- Government Agencies
- Advocates
- Regulators
- Utilities



*Clients in 45 states and provinces plus regional, national and international organizations.*

# Vermont RBES Compliance Is Headed in the Wrong Direction

Vermont RBES Energy Use Intensity (EUI) vs. Compliance Rate



*But CBES is at 87%*

Compliance based on NMR Market Assessment Studies conducted in 2002, 2011, 2016 and 2020  
 EUIs based on 15% reduction from DOE Normalized Energy Use

## US Department of Energy Funding Opportunity Announcement (FOA) 2813: Building Energy Codes: Resilient and Efficient Codes Implementation (RECI)

- *To enable sustained cost-effective implementation of updated building energy codes.*
- \$225 million in total funding supporting
  - \$45 million per year for fiscal years FY22 through FY26
  - 10 to 30 awards
    - \$1.5 million to \$4.5 million/year per awardee
  - Minimum of \$500,000/year
- The estimated period of performance for each award will be approximately 3-5 years

## FOA Key Areas of Interest

1. State and Local Code Adoption
2. Workforce Development
3. Implementation and Compliance
4. Innovative Approaches
5. Equity, Energy and Environmental Justice
6. Partnerships

## FOA Key Outcomes

- Developing the next-generation workforce
- Facilitating energy code updates
- Improving energy code compliance
- Advancing new and innovative policies and tools
- Increasing equity in code-related policies and planning

# FOA Timeframe and Deadlines

<b>FOA Issue Date:</b>	December 19, 2022
<b>Submission Deadline for Concept Papers:</b>	January 31, 2023 by 5:00pm ET
<b>Submission Deadline for Full Applications:</b>	March 27, 2023 by 5:00pm ET
<b>Expected Submission Deadline for Replies to Reviewer Comments:</b>	April 17, 2023 by 5:00pm ET
<b>Expected Date for DOE Selection Notifications:</b>	June 26, 2023
<b>Expected Timeframe for Award Negotiations:</b>	June 26 through August 29, 2023

# Project Team Members & Supporters

Project Team Members	Project Supporters
<ul style="list-style-type: none"> <li>• Energy Futures Group (Project Lead)</li> <li>• Vermont Secretary of State / Office of Professional Regulation</li> <li>• International Code Council (ICC)</li> <li>• Efficiency Vermont</li> <li>• Burlington Electric Department</li> <li>• Vermont Gas Systems</li> <li>• Vermont Association of Planning and Development Agencies (VAPDA)</li> </ul>	<ul style="list-style-type: none"> <li>American Institute of Architects (AIA) – VT Chapter</li> <li>Association of General Contractors of Vermont</li> <li>Burlington Department of Permitting and Inspections</li> <li>Chittenden County Regional Planning Commission</li> <li>City of Montpelier</li> <li>ClearlyEnergy</li> <li>Eco Houses of Vermont</li> <li>Energy Action Network</li> <li>Evernorth</li> <li>Hayward Design Build</li> <li>Huntington Homes</li> <li>New Buildings Institute (NBI)</li> <li>Snyder Homes</li> <li>VT Representatives Campbell, Pouech, Stebbins, Watson</li> <li>VT Senators Bray, Perchlik, Ram Hinsdale, Illuzzi (former)</li> <li>Vermont Business for Social Responsibility</li> <li>Vermont Builders and Remodelers Association</li> <li>Vermont Housing Finance Agency</li> <li>Vermont Office of Economic Opportunity, Weatherization Assistance Program</li> </ul>



# Vermont Building Energy Code Administration Project

#	Task Area
1	Energy Code Administration Plan & Implementation
2	Energy Professionals Workforce
3	Compliance Tools
4	Training and Support
5	Project Advisory Committee
6	Existing Building Energy Ordinance White Paper
7	Project Management

- Total request \$4.9 million over three years for Vermont



**Richard Faesy**

PRINCIPAL

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