Clean Energy Partnership Advisory Group

March 2023

Agenda

Introductions & Announcements

Roux Institute

Energy Impact Partners

Discussion

Next Steps & Adjourn

Announcements

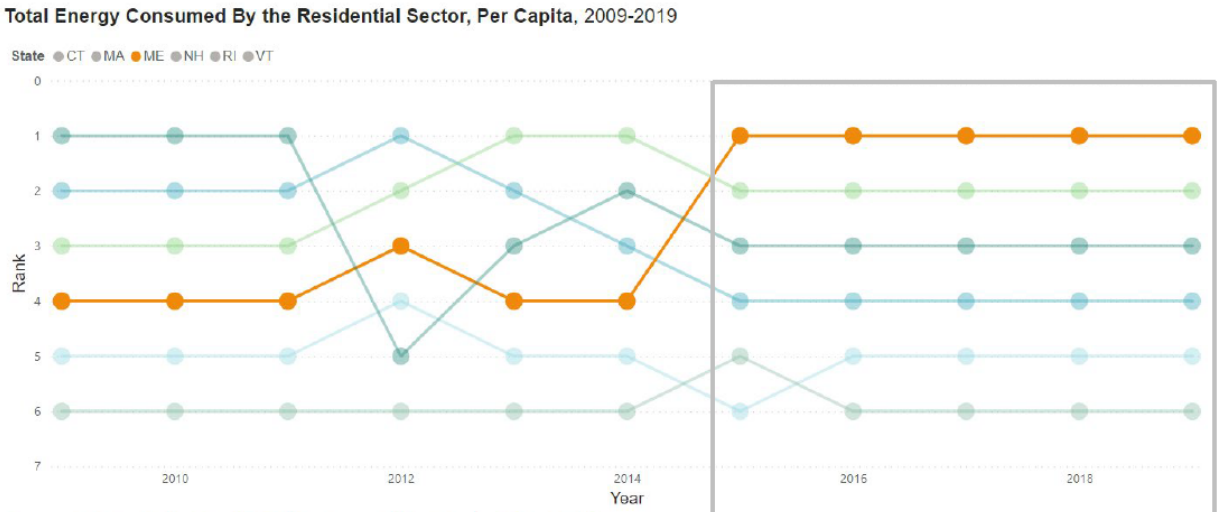
1. Cleantech Open event
2. Offshore Wind Roadmap
3. Advisory Group member announcements

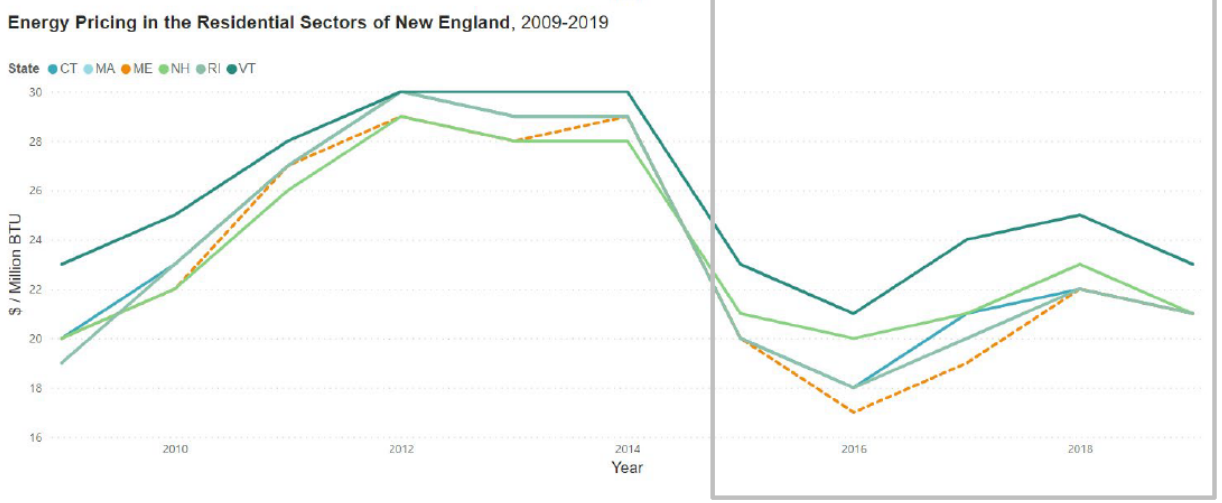
Roux Institute

The Roux Institute

A Platform for Impact

HOW DOES RESIDENTIAL ENERGY CONSUMPTION AND PRICING IN MAINE COMPARE TO THE REST OF NEW ENGLAND?





Maine's total energy consumed in the residential sector **per capita** began to outpace the rest of New England after 2015 and has led New England since

In the same timeframe, Maine's total energy pricing was less than the rest of the New England

Our goals & impact:

Catalyze **DEI** to drive economic impact

Deliver entrepreneurship education to create **LEARNING IMPACT** at scale

Accelerate the creation of high-growth **NEW VENTURES**

Drive **ECONOMIC DEVELOPMENT & JOB CREATION**

Support the long-term success of our **PORTFOLIO COMPANIES**

84%
of our founders identify as women or BIPOC

+500
participants across the State

35 portfolio companies >>> 55 by September

+70
jobs created

>$23M
in capital raised



breathing.ai


ELECTION
BRIDGE
"WHERE PASSION MEETS ENGAGEMENT"


group b
labs



New England
Marine
Monitoring

circa




UNAR labs

ByDesign




hey freya

FORERUNNER

HydroNet

Virtual
Sapiens

TANBARK
MOLDED FIBER PRODUCTS

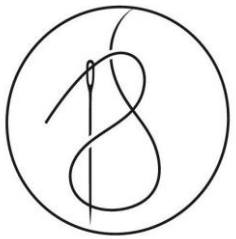
ReMo

dutch
pot

KINOTEK


Cicla

Pointz


REVERT



The Roux Institute
at Northeastern University

EthioPay

CASE STUDY

A partnership between the Roux Institute and Maine's premier healthcare systems to drive innovation

Northern Light Health℠

MaineHealth

CleanTech Founder Residency

A partnership between the Roux Institute and Maine's energy infrastructure stakeholders to drive innovation and achieve Maine's Climate Action Plan

Energy Impact Partners

Discussion

Program Design

The Governor's Energy Office (GEO) received $2.5 million from the Maine Jobs and Recovery Plan to fund programs that advance innovation in the clean energy sector, including generating research and analysis of clean energy finance development tools, and supporting partnerships with the private sector, education intuitions and others. The programs will support innovation of advanced technologies and services that contribute to the achievement of the State's clean energy and climate goals.

GEO anticipates a program structure with the following elements: cleantech entrepreneurship, innovative program delivery, and industry research and analysis. The GEO plans to make up to $2.5 million available in the following topic areas:

1. **Cleantech Entrepreneurship**: $1.5 million in competitive funding available for entrepreneurial accelerator programs to facilitate transfer of innovative cleantech products and services to marketplace
2. **Innovative Program Delivery**: $750,000 in competitive funding available for investment in clean energy and energy efficiency small businesses and startups, business support service providers, and community-based organizations to implement programs, services, or projects that provide access to the benefits of clean energy for previously underserved populations
3. **Industry Research and Analysis**: $250,000 in funding available for qualified entities to perform studies to identify clean energy supply chain opportunities for Maine companies, and to perform and communicate research and analysis to support Maine businesses, communities, and service providers in accessing funding and incentives from the Inflation Reduction Act

Definitions

Innovation is the practical implementation of ideas that result in the introduction of new goods or services or improvement in offering goods or services.

Clean tech products and services are any process, product, or service that reduces negative environmental impacts through the adoption of clean energy and energy efficiency technologies, significant energy efficiency improvements or retrofits, the sustainable use of resources, or environmental conservation and protection activities.

Clean energy and energy efficiency includes technologies across the categories of renewable electric power generation, grid modernization and energy storage, energy efficiency, renewable fuels, and alternative transportation.

Climate tech is any new business model and technology that mitigates the impacts and drivers of global greenhouse gas emissions (i.e. climate change).

Definitions

Actions to advance cleantech-based economies:

1. Develop a research base that generates new knowledge
2. Create mechanisms for transferring knowledge to the marketplace
3. Promote entrepreneurship
4. Support sources of risk capital
5. Advance a technically skilled workforce

Source: The National Association of State Energy Officials recommends five actions for State Energy Offices to advance cleantech-based economies, based on SSTI's "Elements of a Technology-Based Economy":

Discussion

Focus Areas	Buildings & Energy Efficiency		ENERGY		Manufacturing (supply chain, bioproducts)	
	Electricity (RE, storage, grid, vehicles)				Forestry, Oceans, & Agriculture	
Innovations	Materials	Products	Processes	Technology	Installation	Field Validation
Technologies	Onshore/Offshore Wind		Building Envelope/Materials		Heat Pumps	Solar Tidal
	Energy Storage	Aquaculture		Forest Products	Electric Vehicles	Robotics
	Software	Artificial Intelligence		E-Mobility	Transmission & Distribution	

What's missing?

Next Steps

Feedback

Next Meeting

www.maine.gov/energy/initiatives/cep