

Clean Energy Finance and Investment Authority

## **C-PACE:**

A financing tool for CHP in commercial & industrial buildings

# Agenda

- Who is CEFIA?
- What is PACE Financing?
- The C-PACE Advantage
- C-PACE to Date



### CEFIA is Connecticut's "Green Bank"



...<u>transitioning programs away from</u> government-funded grants, rebates, and other subsidies, and towards deploying private capital

...CEFIA was established in 2011 to develop programs that will <u>leverage private sector capital</u> to create long-term, sustainable financing for energy efficiency and clean energy to support residential, commercial, and industrial sector implementation of energy efficiency and clean energy measures.



# Property Assessed Clean Energy

 An innovative financing structure that enables commercial, industrial, and multi-family property owners to access financing for qualified energy upgrades and repay through a benefit assessment on their property tax.

Private capital provides 100% upfront, low-cost, long-term funding

Repayment through property taxes

A senior PACE lien is put on the property and stays regardless of ownership



## The C-PACE Advantage for Owners

Near term plan to sell?

Lack of funding?

Cannot assume more debt?

Insufficient payback/ROI?

Split incentives?

Uncertain savings/technical expertise?

Tax obligation fixed to property

100% upfront, 20 year financing

Assessments may qualify as OPEX

Positive cash flow in year 1

Assessment/savings pass to tenants

**C-PACE Technical underwriting / SIR>1** 



## C-PACE Advantage to other stakeholders

#### **Capital Providers**

- Low risk investment opportunity
  - Senior lien
  - Secure repayment mechanism (taxes)
- Legal and technical structure administered by CEFIA

#### **Mortgage Lenders**

- Improves Building Financials/Risk
  - Lowers OPEX
  - <u>SIR>1</u>
  - No acceleration
- Creates a more attractive building for occupants and owners
- Finances deferred maintenance needs

#### Municipalities

- Creates economic development & jobs
- Reduces energy costs for businesses
- Reduces pollution



# Program Snapshot: First 9 Months

- 63 towns on board
- 70% of the CT market eligible
- 200+ contractors trained
- 14 qualified capital providers
- 113 Projects in Pipeline
  - Est. \$50 million in projects
- \$20M in CEFIA capital
  - \$14 million approved
  - \$ 7 million in closed transactions



# Municipalities Opted into C-PACE

- Avon
- Beacon Falls
- Berlin
- Bloomfield
- Branford
- Bridgeport
- Brookfield
- Canaan
- Canton
- Chester
- Clinton
- Coventry
- Danbury
- Durham
- East Granby

- East Haddam
- East Hampton
- East Hartford
- Glastonbury
- Greenwich
- Groton
- Hartford
- Killingworth
- Manchester
- Mansfield
- Meriden
- Middletown
- Milford
- New Britain
- New London
- New Milford

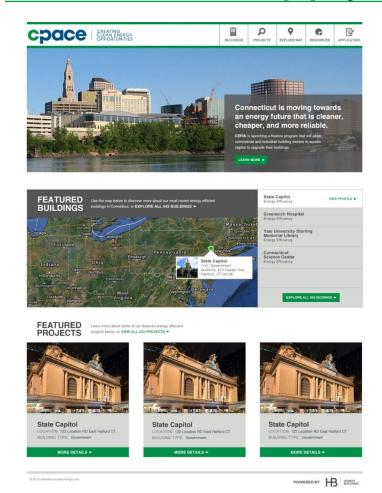
- Newtown
- North Branford
- Norwalk
- Norwich
- Old Saybrook
- Plainville
- Putnam
- Rocky Hill
- Simsbury
- Southbury
- Southington
- Stafford
- Stamford
- Stratford
- Suffield
- Tolland

- Torrington
- Trumbull
- Waterbury
- Waterford
- West Hartford
- Westbrook
- Westport
- Wethersfield
- Wilton
- Windham
- Windsor
- Windsor Locks
- Vernon

70% of the C&I
Market is "Open
for Business"



# Customers Apply Into C-PACE



Address of Prop		D-1			
	erty	Date of constructio	n		
	a associated with the building?	Gross square foota			
⊖ Yes ⊖ No					
Who occupies to	his property?				
Date and description of last major renovation. (defined as a renovation that effort involved expressor or reduction of the building sposs floor area by 10% or more, or that impacted total building energy use by more than 10%).		What type fuel use? natural gas, cit, steam; fuel provider (s) into			
DD/MM/YYY	Description	Electricity provider			
Do you currentl	y pay property taxes on building? © Yes	⊖ No Are paym	ents current	? 🖰 Yes 🖽	) No
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# What's Eligible

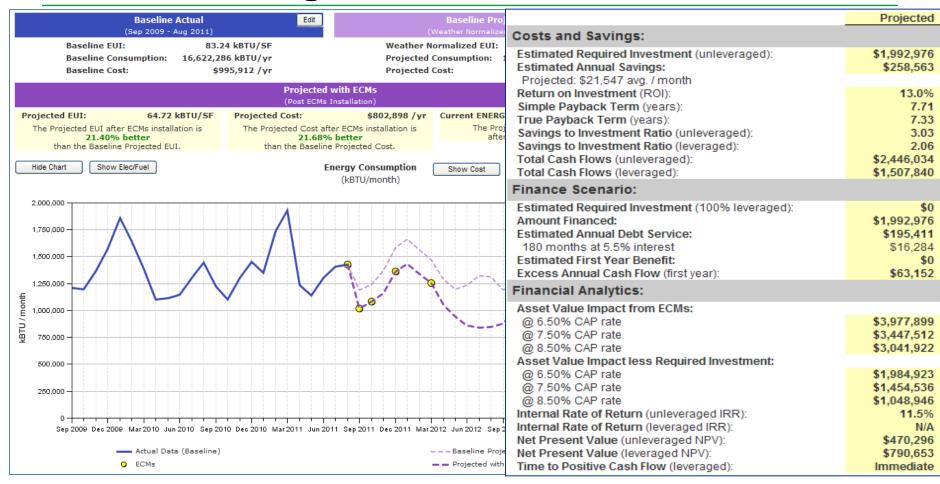
### **Anything that saves energy from baseline** ... as long as it isn't going anywhere

- High efficiency lighting
- HVAC upgrades
- New automated building and HVAC controls
- Variable speed drives (VSDs) on motors fans and pumps
- High efficiency chillers, boilers, and furnaces
- High efficiency hot water heating systems

- Combustion and burner upgrades
- Fuel switching
- Water conservation
- Heat recovery and steam traps
- Building enclosure/envelope improvements
- BMS
- Renewable energy systems



## Benchmarking and M&V





#### Renew Energy Partners

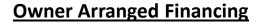
# **CEFIA Sources Capital**







- CEFIA qualified 14 capital providers through a RFI.
- "Lending tree" model



 Property owner is free to choose their capital provider from the private market.

# Construction and Term Financing from CEFIA

- CEFIA authorized \$40M short term facility for construction and term financing.
- Warehouse facility





URBAN ATLANTIC

PACEConnecticut.

Deutsche Bank USA



structured finance ASSOCIATES, LLC







## Solar and Energy Efficiency in Middletown

### **Project**

- \$2,901,800 Energy Efficiency Upgrade and Renewable Energy including
  - The installation of water source heat pumps, variable frequency drives, high efficiency lights, occupancy sensors, air leakage improvements, an upgraded energy management system
  - and a 335.5 kWp ground-mounted photovoltaic system.

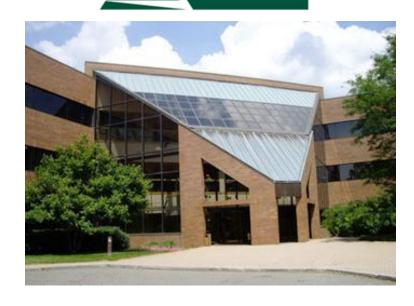
#### **Financing**

- Energy savings of \$195,248/year
- Incentives of \$387,885
- Zero Emissions REC of \$33,157/year for 15 years
- 30% Investment Tax Credit for Solar PV

### **Impact**

- 51M kBTUs saved
- 8.5M kWh clean energy produced





## Energy Efficiency Upgrade in Simsbury

#### **Project**

- \$840,415 energy efficiency upgrade, including
  - Installation of air leakage Improvements
  - High Efficiency lights
  - Occupancy Sensors and Upgraded Energy Management System
  - New 105 Ton Rooftop Unit

### **Financing**

- Energy savings of \$61,000/year
- Incentives of \$165,860

#### **Impact**

18M kBTU saved



**MGRE Co. LLC** 



## Energy Efficiency Upgrade in Windsor

#### **Project**

- \$2,283,320 energy efficiency upgrade, including
  - Power factor correction and high efficiency transformers
  - High Efficiency lights and occupancy sensor control
  - Upgraded Energy Management System
  - New Rooftop Units and building weatherization

### **Financing**

- Energy savings of \$140,818/year
- Incentives of \$464,834

### **Impact**

4.3M kBTU saved









## Empowering you to make smart energy choices

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