Financing Solar and Energy Efficiency
Hosted by IREJN

June 25, 2025

CONNECTICUT GREEN BANK®

Welcome & Agenda

- **Welcome**
- **Connecticut Green Bank Overview**
- **C-PACE Financing**
- **Solar PPA**
- **Solar Roof Lease**
- **Energy Storage Solutions**
- **Smart E Program**
- **Discussion**

Mission & Vision

CONNECTICUT GREEN BANK®

Connecticut Green Bank is the nation's first state level green bank. Established in 2011 as a quasi-public agency, the Green Bank uses limited public dollars to attract private capital investment and offers green solutions that help people, businesses and all of Connecticut thrive.

Our mission is to confront climate change by increasing and accelerating investment into Connecticut's green economy to create more resilient, healthier, and equitable communities.

PLANET PROTECTED
BY THE LOVE OF HUMANITY

Our vision

Our Goals

CONNECTICUT GREEN BANK®

Leverage limited public resources to scale-up and mobilize private capital investment in the green economy of Connecticut.

Pursue investment strategies that advance market transformation in green investing while supporting the organization's financial sustainability goals.

Strengthen Connecticut's communities, especially vulnerable communities, by making the benefits of the green economy inclusive and accessible to all individuals, families, and businesses.

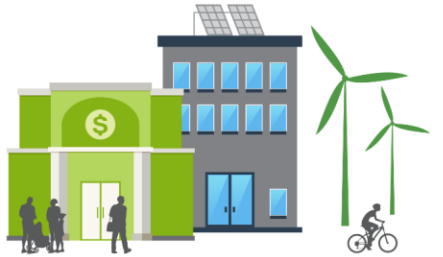
Our Solutions

The Green Bank is helping Connecticut flourish by offering green solutions for homes and buildings, and by creating innovative ways to invest in the green economy.

CONNECTICUT GREEN BANK
HOME SOLUTIONS

CONNECTICUT GREEN BANK
BUILDING SOLUTIONS

CONNECTICUT GREEN BANK
INVESTMENT SOLUTIONS



CONNECTICUT GREEN BANK
COMMUNITY SOLUTIONS

CONNECTICUT GREEN BANK
CONTRACTOR SOLUTIONS

energy storage SOLUTIONS

green solutions for buildings

CONNECTICUT GREEN BANK
BUILDING SOLUTIONS

c-pace

CONNECTICUT GREEN BANK
BUILDING SOLUTIONS

Why are we here?

Take control of energy costs

Increase net operating income

Improve building comfort and value

Reduce Environmental Impact/Stewardship

Modernize outdated building systems

Address climate resilience and adaptation

Why are you here?

What is C-PACE?

Financing available to commercial properties for GREEN solutions

Low-cost, long-term funding (up to 25 years)

Owner repays over time through a senior assessment placed on the property

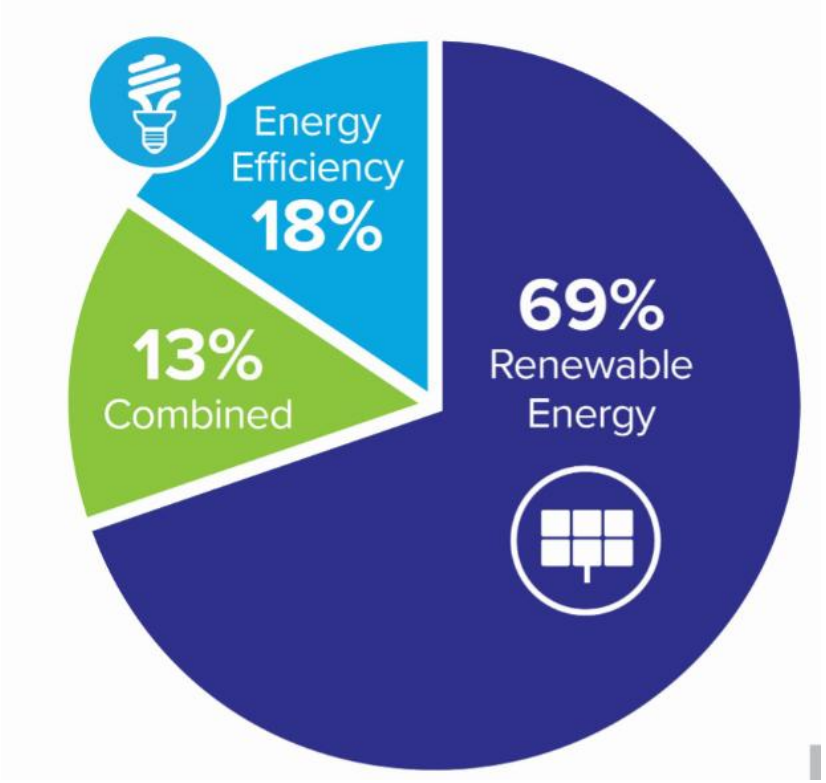
Assessment stays with the property regardless of ownership

+ EV Charging Infrastructure & Resilience

https://www.ctgreenbank.com/resources/learn-more-about-c-pace/

C-PACE Property Types

C-PACE Project Sizes and Types



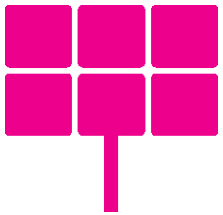
$

$360M

total closed project financing

C-PACE Eligible Measures

1. Renewable Energy

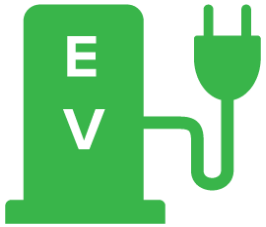


Examples:
- Solar
- Batteries
- Geothermal, and more

2. Energy Efficiency

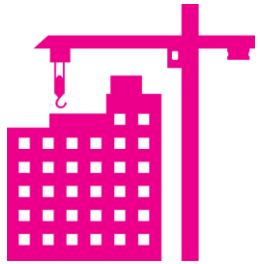
Examples:
- Insulation
- Air Sealing
- Lighting
- HVAC and more

3. EV Charging Infrastructure



Examples:
- EV charging equipment
- Trenching and site work
- Electric upgrades and more

4. Related costs:



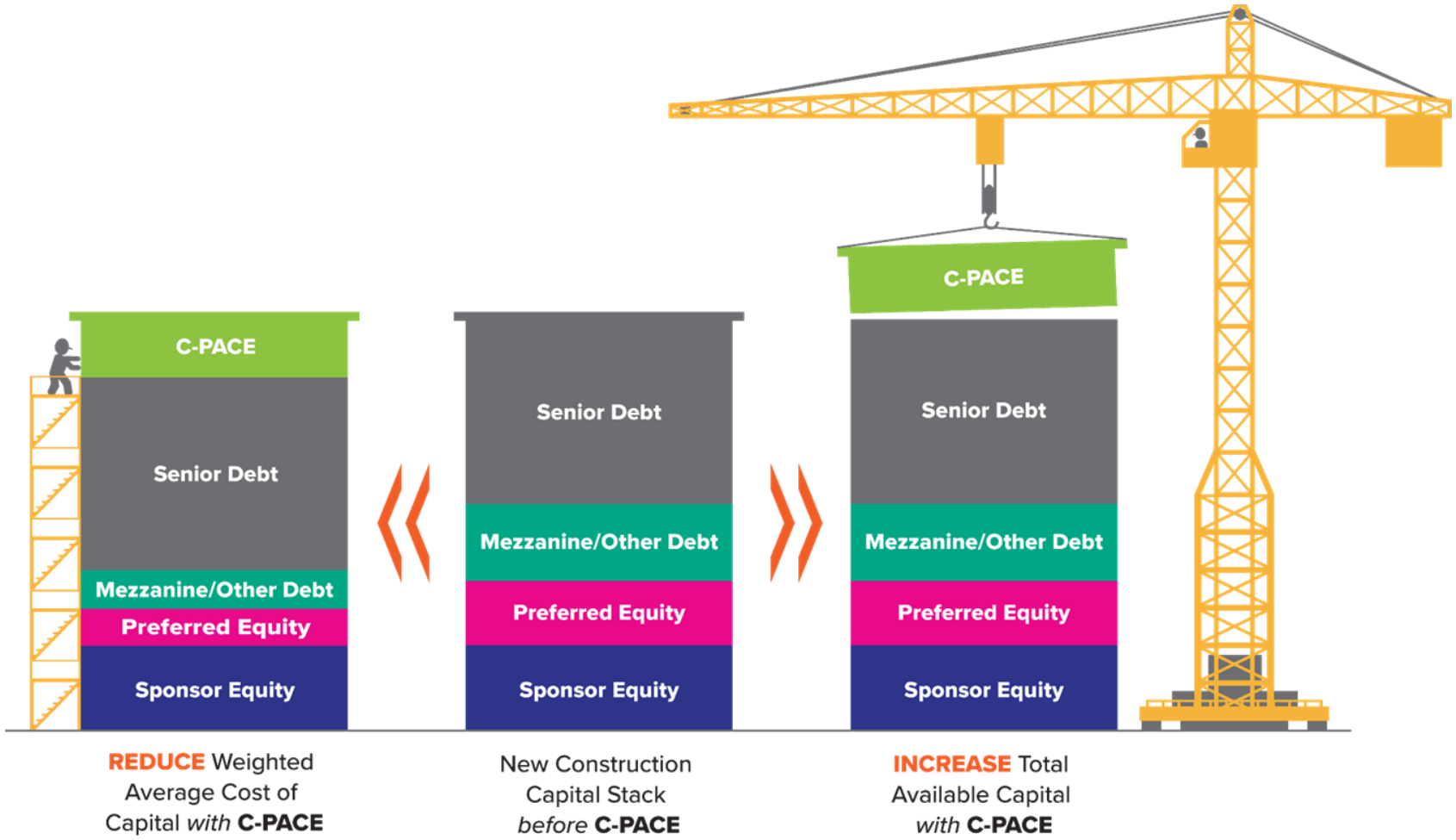
Examples:
- Roof with solar
- Audit,
- engineering costs

5. Resilience

Examples:
- Climate adaptation (e.g. flooding, wind, fire)
- Nature-based solutions (e.g. pervious surfaces)
- FORTIFIED Designation

What type of project are you thinking about developing?

C-PACE For New Construction



Customer Story: Mystic Aquarium

"These projects created around $1 million in savings, which is very important for our bottom line. But what we are most proud of is the impact to the environment."

- Koray Gurz, CFO of Mystic Aquarium

Location

Mystic, CT

Energy Upgrade

272 kW roof mounted solar photovoltaic system, HVAC upgrades, lighting, and energy-monitoring equipment

Projected Energy Savings

More than $1 million over the life of the upgrades

Customer Story: Daughters of Mary

"We… are so proud and pleased to play a role in such an important and viable environmental issue…We are grateful to Mother Mary Jennifer for her vision and foresight to pioneer into unchartered territory and achieve such innovative and financial success. - *Mother Mary Janice Zdunczyk*

Location
New Britain, CT

Energy Upgrade
1.2 MW solar photovoltaic system and **1.4 MW** battery storage

Projected Energy Savings
More than $1.3 million over the life of the upgrades

More ways to go solar

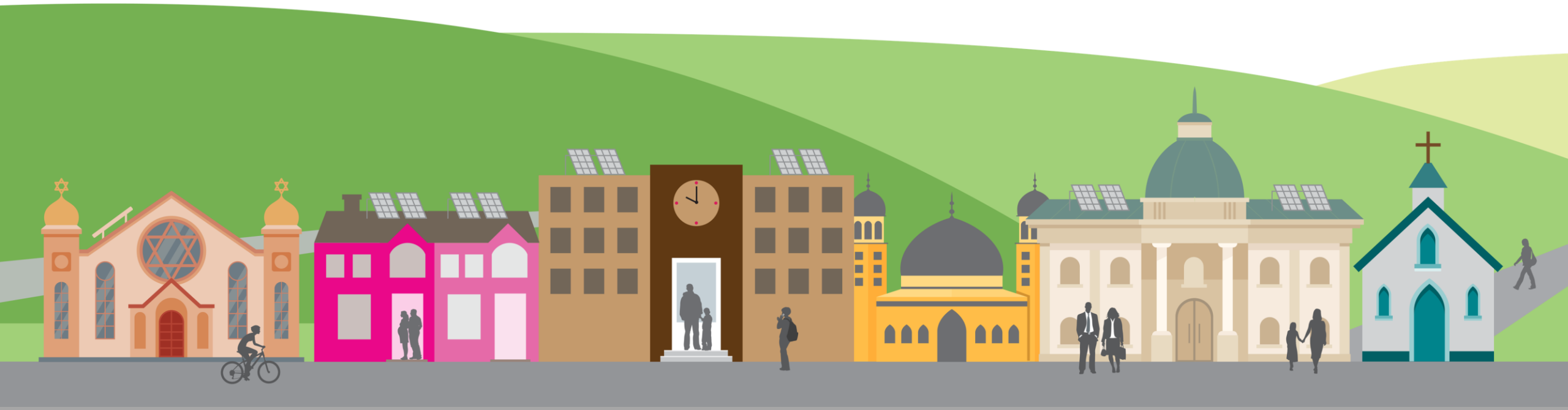
solar ppa

- Go solar with no-upfront installation costs
- Solar offsets electricity usage on site – reduces energy demand
- Pay for the energy that the system produces from the Connecticut Green Bank at a rate lower than your current utility rate
- Green Bank manages the operations & maintenance of the system over the term of the power-purchase agreement

solar roof lease

- Go solar with no-upfront installation costs
- Solar does not offset electricity usage on site – all solar energy is sold to the utility
- Receive a fixed annual payment from the Connecticut Green Bank over the term of the lease agreement
- Green Bank manages the operations & maintenance of the system over the term of the lease agreement

solar ppa



How Does a PPA Work?

Contract between Seller (generates electricity) and Buyer (purchases electricity)

Green Bank (or financing partner) is Seller: Oversees development, construction, & asset management

Customer is Buyer: Purchases electricity from solar installed on property

What are the Benefits of a PPA?

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BUILDING SOLUTIONS

- **No upfront costs**
- **Lock in low electricity rate**
- **Positive cash flow**
- **No operations & maintenance costs**
- **Preserve capital & credit lines**
- **Managed by a third-party solar system owner**

solar roof lease

How Does a Solar Roof Lease Work?

Roof Lease between Green Bank and Property owner

Green Bank (or financing partner) owns the solar: Oversees development, construction, & asset management

Utility (under tariff): Purchases electricity from solar installed on property. Green Bank makes lease payment to Property owner

What are the Benefits of a Roof Lease?

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No upfront costs

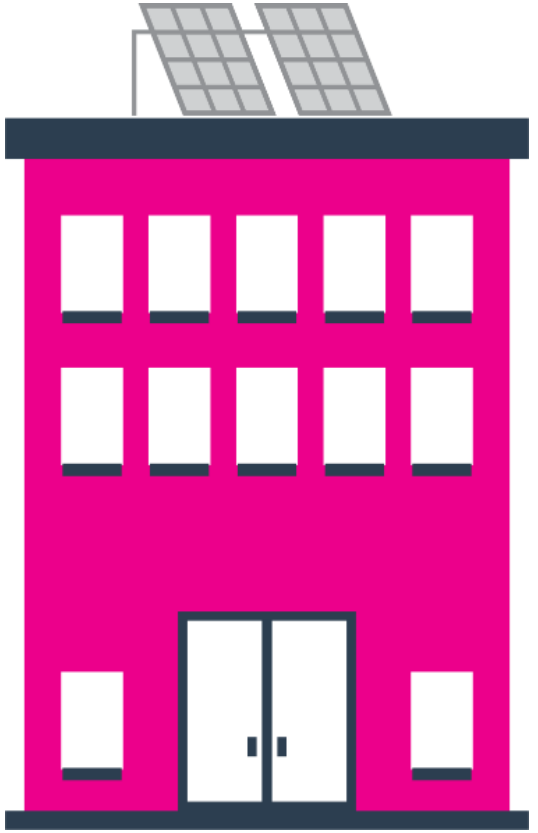
Secure passive income stream

Positive cash flow

No operations & maintenance costs

Preserve capital & credit lines

Managed by a third-party solar system owner



Energy Storage Solutions

Energy Storage for Buildings

- Save money on demand charges – smooth out your power consumption
- Backup power when you need it
- upfront and performance incentives to reduce the cost of installing battery storage systems
- You can use C-PACE to finance battery systems

Image: Getty Images

smart-e loan

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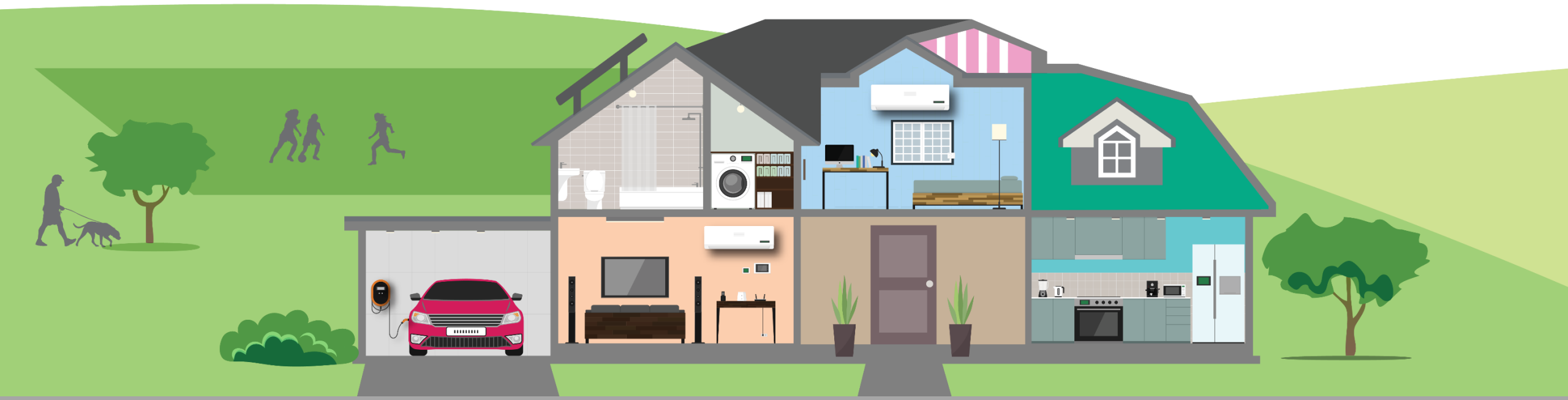
HOME SOLUTIONS



Smart-E Loan Updates

- Unsecured personal loan with low interest rates
- Offered through a network of local lenders and contractors
- Flexible terms with fixed monthly payments
  - 5, 7, 10 years at 6.99%, 12 years at 7.49%, 15 years at 7.99%
- No pre-payment penalty, no down payment required
- $500 - $50,000 loan amounts available
- 80+ home energy improvements (HVAC, solar, insulation, windows, wells, septic systems, floodproofing, tree planting / removal)

https://www.ctgreenbank.com/home-solutions/find-a-lender/

https://www.ctgreenbank.com/find-a-contractor/

Customer Story

Solar and geothermal systems cut Dan & Sarah's energy bills to just $630.

When Dan and Sarah bought their home and planned renovations, the large old, existing oil heating system had to go. They insulated the attic and windows to improve energy efficiency, and added a geothermal system as well as solar panels. Using a Smart-E Loan, they were able to access low interest rate financing to cover these costs.

Thanks to these renewable and energy efficiency upgrades, Dan and Sarah's yearly electric and heating expenses were only $630.

Location
Redding, CT

Energy Upgrade
Solar Panels and Geothermal System

Total Loan Amount*
$25,000

Projected Energy Savings
$630 annually

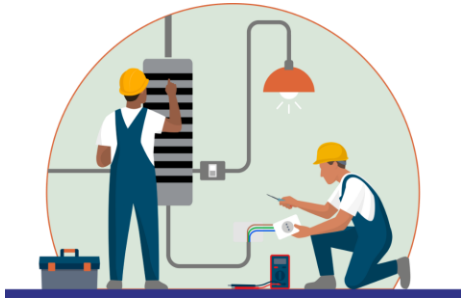
"When we first moved into the house, we knew this was a fixer-upper and that we wanted to make renovations. There would be no way to do this without the Smart-E Loan. It was a pretty easy process."

- *Dan*

Getting started

Reach out to us

Get an energy assessment



Find a contractor

What is your next step?

Stay in touch

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