Energy Storage Solutions

For Houses of Worship and Faith Communities

October 29, 2025

Agenda

1. About the Connecticut Green Bank
2. Why Energy Storage ?
3. Program Design
4. Incentives
5. Get Started
6. Questions & Discussion

Mission & Vision

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

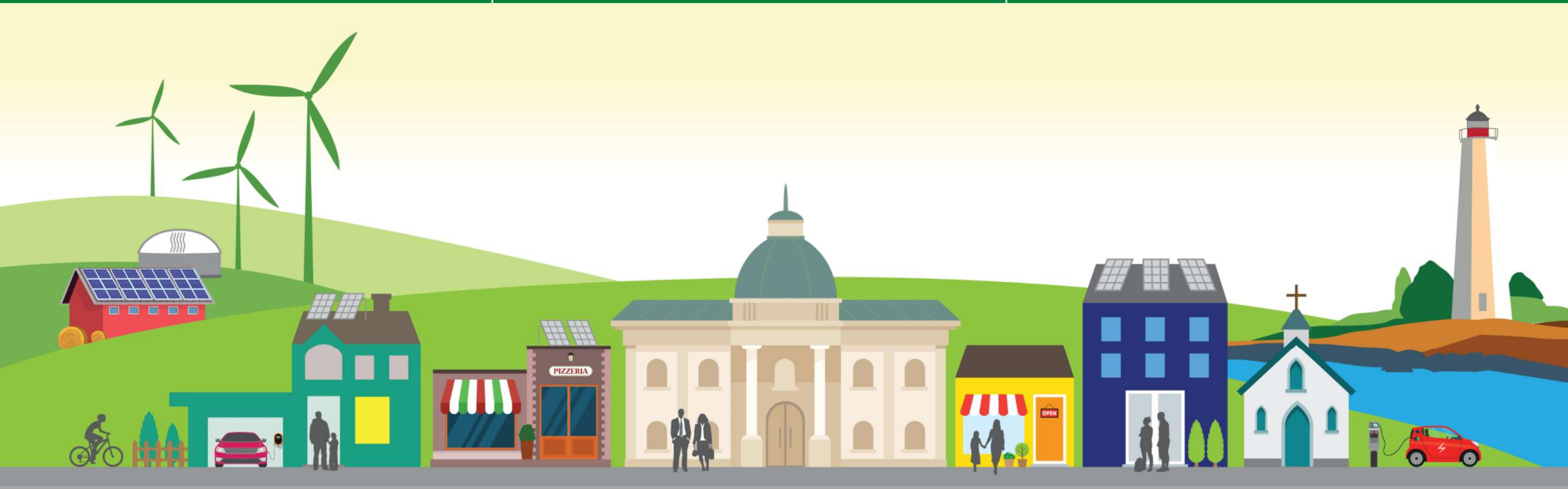
Our Goals

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.



The Green Bank Model

1 Attract Private Investment by Leveraging Public Funding

Public Funding
Ratepayer dollars, taxpayer dollars

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Private Investment
Individuals, credit unions, banks, bond buyers

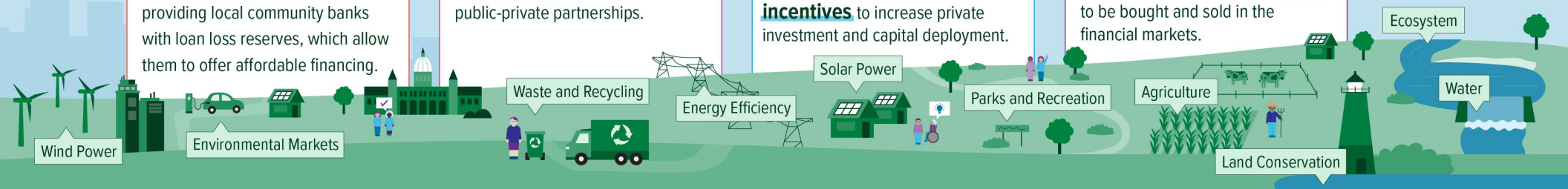
2 Apply Innovative Financial Tools to Deploy Investment Towards Our Programs

Generate **credit support** by providing local community banks with loan loss reserves, which allow them to offer affordable financing.

Initiate **co-investment** through public-private partnerships.

Support **performance- based incentives** to increase private investment and capital deployment.

Convert assets into **green bonds** to be bought and sold in the financial markets.



3 Deliver Social and Environmental Benefits to Connecticut's Families and Businesses

- **Economic Development**
- **Ecosystem**
- **Energy**
- **Environmental Protection**
- **Equity**

Our programs are designed for:

Homes **Contractors** **Buildings** **Communities**

Societal Impact Report

FY12
FY25

Since the Connecticut Green Bank's inception through the bipartisan legislation in July 2011, we have mobilized more than $3.11 billion of investment into the State's green economy.

To do this, we used $463.3 million in Green Bank dollars to attract $2.65 billion in private investment, a leverage ratio of $6.70 for every $1. The impact of our deployment of renewable energy and energy efficiency to families, businesses, and our communities is shown in terms of:

- **Economic Development**
- **Energy**
- **Environmental Protection**
- **Equity**

By the Numbers

ECONOMIC DEVELOPMENT

JOBS The Green Bank has supported the creation of more than **30,539** direct, indirect, and induced job-years.

TAX REVENUES
The Green Bank's activities have helped generate an estimated **$157.9** million in state tax revenues.

$60.6 million individual income tax

$60.6 million corporate taxes

$35.4 million sales taxes

$1.2 million property taxes

ENERGY

ENERGY BURDEN
The Green Bank has reduced the energy costs on families, businesses, and our communities.

69,000+
families

8,500+
businesses

DEPLOYMENT
The Green Bank has accelerated the growth of renewable energy to more than **732.2 MW** and lifetime savings of over **93.9 million MMBTUs** through energy efficiency projects.

By the Numbers

ENVIRONMENTAL PROTECTION

POLLUTION The Green Bank has helped reduce air emissions that cause climate change and worsen public health, including **7.4** million pounds of SOx and **9.3** million pounds of NOx lifetime.

11.8 MILLION tons of CO_2 : EQUALS

178 MILLION tree seedlings grown for 10 years

OR

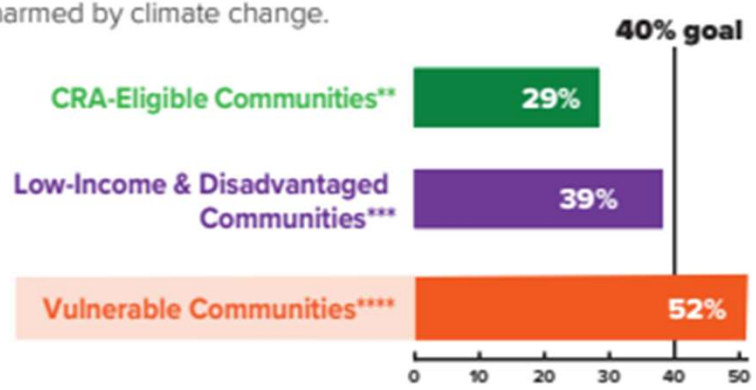
2.3 MILLION passenger vehicles driven for one year

PUBLIC HEALTH The Green Bank has improved the lives of families, helping them avoid sick days, hospital visits, and even death.

$234.7 – $530.8 million of lifetime public health value created

EQUITY

INVESTING in vulnerable communities, The Green Bank has set **goals** to reach **40% investment** in communities that may be disproportionately harmed by climate change.



** Community Reinvestment Act (CRA) Eligible Communities – households at or below 80% of Area Median Income (AMI)

*** Low-Income and Disadvantaged Communities – those within federal Climate and Economic Justice Screening Tool and Environmental Justice Screening Tool

**** Vulnerable Communities – consistent with the definition of Public Act 20-05, including low- to moderate-income communities (i.e., less than 100% AMI), CRA-eligible communities, and environmental justice communities (e.g., including DECD distressed communities)

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.

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HOME SOLUTIONS

CONNECTICUT GREEN BANK
BUILDING SOLUTIONS

CONNECTICUT GREEN BANK
INVESTMENT SOLUTIONS

CONNECTICUT GREEN BANK
COMMUNITY SOLUTIONS

CONNECTICUT GREEN BANK
CONTRACTOR SOLUTIONS

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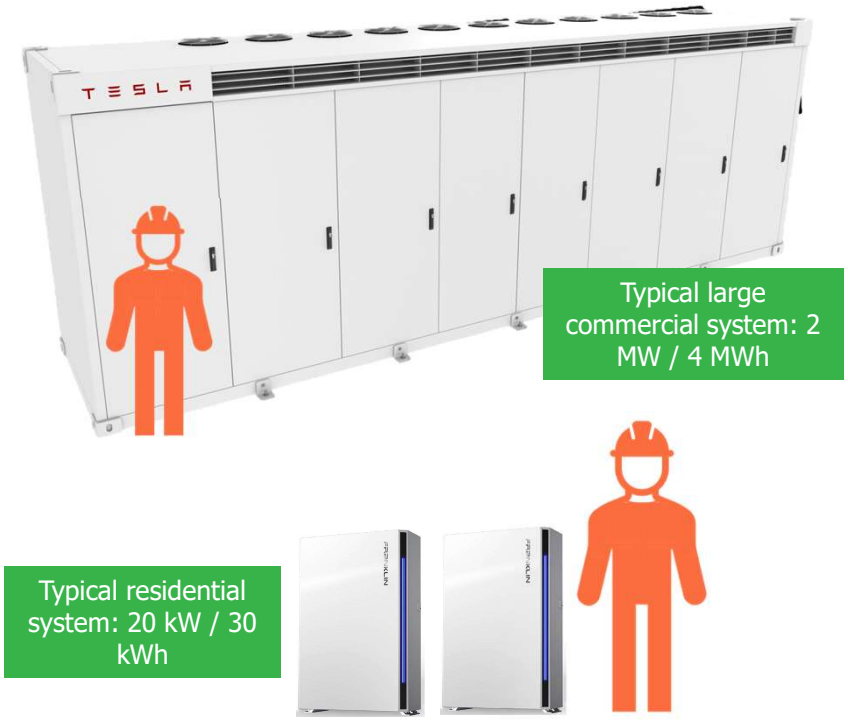
Program Background

What is Battery Energy Storage?



Typical large commercial system: 2 MW / 4 MWh

Typical residential system: 20 kW / 30 kWh

Provides backup during power outages

May help save on electricity costs

Comes in a variety of sizes to fit any need

Can charge from solar panels or directly from the grid

Why Energy Storage for Connecticut?

Smooth out peak demand on the grid

Provide backup power when needed

Bring down energy costs for **all ratepayers**

Be resilient while addressing climate change

Program Progress

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Buildings

87 projects approved

169 MW / 409 MWh

$290,219,675 in total investment

$50,546,616 in Upfront Incentives approved

5 projects completed

756 kW / 2.7 MWh

Homes

1,133 projects approved

13 MW / 26 MWh

$30,419,945 in total investment

$8,008,072 in Upfront Incentives approved

383 underserved or low-income (goal of 40%)

551 projects completed

6.7 MW / 2.7 MWh

Why Energy Storage Houses of Worship?

Reduce your monthly peak demand*

Keep your community safe during an outage

Reduce peak demand in CT

Why Energy Storage for your House of Worship?

Reduce your monthly peak demand*

*If applicable to your utility rate, you can use a battery to charge during off-peak times and discharge during peak operations, **avoiding high demand charges** for power consumption

Why Energy Storage for your House of Worship?

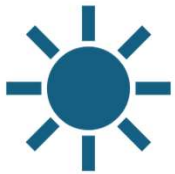
Keep your community safe during an outage

Keep your community safe by providing shelter and safety during an outage

Backup your whole building or keep **critical lighting and safety equipment** running

Why Energy Storage for your House of Worship?

Reduce peak demand in CT



Reduce your carbon emissions, paired with or without solar panels

Earn incentives to make Connecticut's grid cleaner and cheaper

Program Design

Program Design

Customers can receive two types of incentives through Energy Storage Solutions:

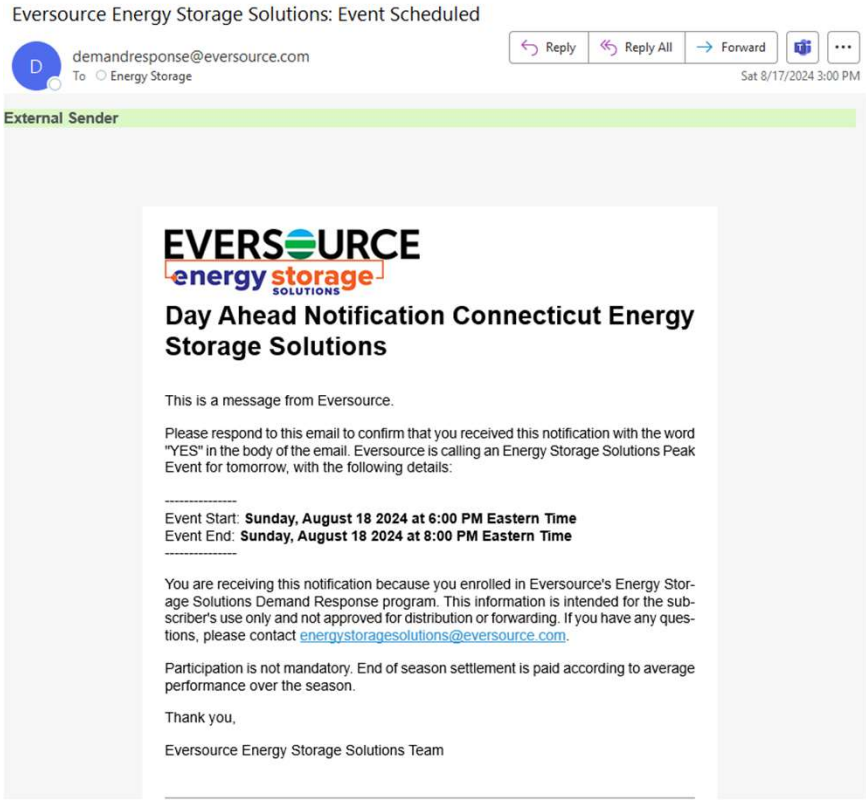
		Summer	Winter
Upfront Incentive (Passive Dispatch)	Events per Season	All non-holiday weekdays	N/A
	Months	June, July & August	N/A
	Event Duration	3 Hours	N/A
	Anticipated Dispatch Window	5 PM to 8 PM	N/A
Performance-Based Incentive (Active Dispatch)	Events per Season	30 to 60	1 to 5
	Months	June through September	November through March
	Event Duration	1 - 3 hours	1 - 3 hours
	Anticipated Dispatch Window	Noon to 9 PM (All Days)	Noon to 9 PM (All Days)

Passive Dispatch

- If you receive an Upfront Incentive (most customers do), your battery will be pre-programmed to discharge its energy on **weekdays** in **June, July, and August** (except for Juneteenth and the Fourth of July)
- "Set it and forget it" ensures batteries will help offset peak demand without additional input.

Active Dispatch

- If the utility predicts the peak will occur at a different time – **any time** in **June, July, August, or September,** your battery will switch to dispatch during that time frame and **earn an additional performance incentive**.
- Active Events are called 24 hours in advance and override Passive Events
- Customers are notified by email
- Active Events are optional – you can opt-out using your battery's app or website



Eversource Energy Storage Solutions: Event Scheduled

demandresponse@eversource.com
To Energy Storage

Reply | Reply All | Forward

Sat 8/17/2024 3:00 PM

External Sender

EVERSOURCE energy storage SOLUTIONS

Day Ahead Notification Connecticut Energy Storage Solutions

This is a message from Eversource.

Please respond to this email to confirm that you received this notification with the word "YES" in the body of the email. Eversource is calling an Energy Storage Solutions Peak Event for tomorrow, with the following details:

Event Start: **Sunday, August 18 2024 at 6:00 PM Eastern Time**
Event End: **Sunday, August 18 2024 at 8:00 PM Eastern Time**

You are receiving this notification because you enrolled in Eversource's Energy Storage Solutions Demand Response program. This information is intended for the subscriber's use only and not approved for distribution or forwarding. If you have any questions, please contact energystoragesolutions@eversource.com.

Participation is not mandatory. End of season settlement is paid according to average performance over the season.

Thank you,

Eversource Energy Storage Solutions Team

What about Outages?

- Many battery systems have software that prevents discharge when major weather events are predicted by NWS.
- The utility will cancel any planned events
- No dispatch in April, May, or October
- Typically 2-3 events called between November to March

Incentives

Commercial Incentives

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Upfront Incentive Levels

Customer Class	Small C&I	Medium C&I	Large C&I
Peak Demand	*<200 kW*	*200-500 kW*	*>500 kW*
Tranche 3 Step 1 (0-50 MW)	$182 / kWh	$159.25 / kWh	$91 / kWh
Priority Customer	$227.50 / kWh	$199 / kWh	$113.75 / kWh

Performance Incentive Levels

Summer Years 1-5	Winter Years 1-5	Summer Years 6-10	Winter Years 6-10
$200/kW	$25/kW	$115/kW	$15/kW

**Upfront Incentive capped at calculated incentive or 50% of total cost*

Small House of Worship Example

System size:	**40 kW / 60 kWh**
Cost before incentives:	**$65,000**
Upfront Rebate:	(**$13,650**)
30% Federal Tax Credit*:	(**$15,405**)
10 Years of Performance Incentives:	(**$21,705**) (estimated)

Net Cost of Backup Power before Demand Savings: $14,240

*See tax professional for more information. ITC adders may apply for multifamily or non-residential projects.

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Large House of Worship Example

System size:	**100 kW / 320 kWh**
Cost before incentives:	**$384,000**
Upfront Rebate:	(**$72,800**)
30% Federal Tax Credit*:	(**$93,360**)
10 Years of Performance Incentives:	(**$124,026**) (estimated)

Net Cost of Backup Power before Demand Savings: $94,614

*See tax professional for more information. ITC adders may apply for multifamily or non-residential projects.

Get Started

What is the Process?

1. **Visit www.energystorageCT.com**
2. **Find a Contractor: https://energystoragect.com/eligible-contractors/**
3. **Design system and incentive package with Contractor**
4. **Find Financing**
5. **Contractor applies for permits, interconnection, and incentives**
6. **Green Bank approves project**
7. **Contractor builds and interconnects system**
8. **Customer receives ongoing performance incentives**

Questions? Reach out to us at energystorage@ctgreenbank.com

Thank you for attending!

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