



# **Special Act 22-8**

## **Task Force to Study Hydrogen**

### **Request for Proposals Webinar**

June 8, 2022

**Online Meeting**



**Connecticut Green Bank is the nation's first 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 and provide all of society a healthier and more prosperous future by increasing and accelerating the flow of private capital into markets that energize the green economy.**

**Guiding this mission is our vision for  
“...a planet protected by the love of humanity.”**

# Connecticut Green Bank

## Decennial Societal Impact Report



FY12  
FY21

Since the Connecticut Green Bank's inception through the bipartisan legislation in July 2011, we have mobilized more than **\$2.14 billion of investment** into the State's green economy.

To do this, we used **\$288.4 million** in Green Bank dollars to attract \$1.85 billion in private investment, a leverage ratio of **\$7.40 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**



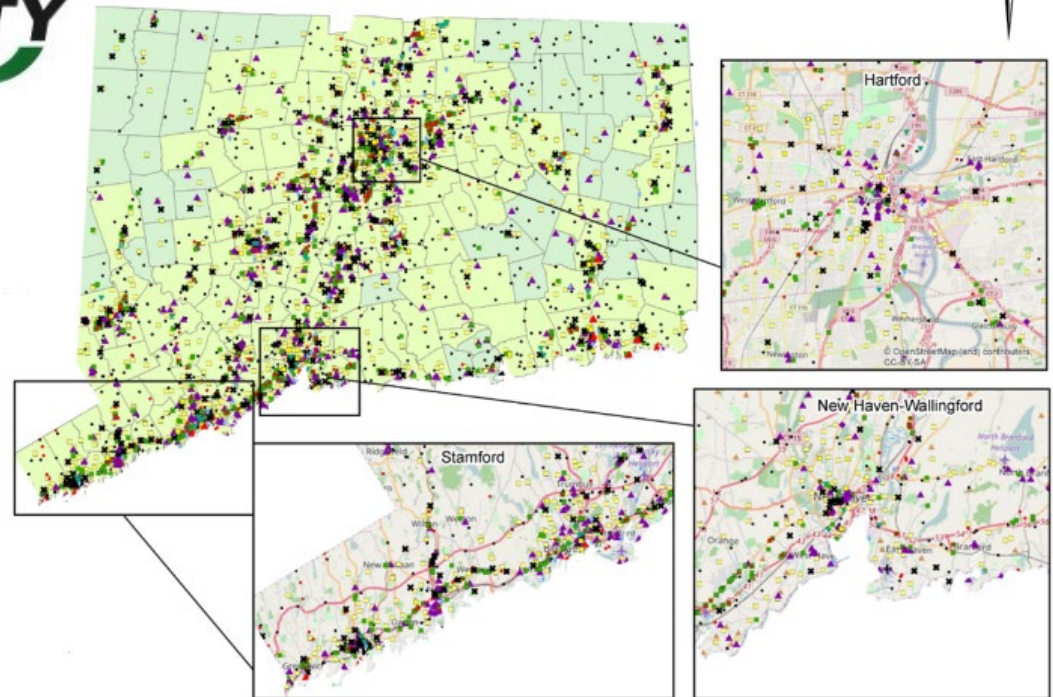
### REFERENCES

Comprehensive Annual Financing Report for FY 2021 – <https://www.ctgreenbank.com/wp-content/uploads/2021/12/FY12-FY21-CGB-ImpactReport-web.pdf>

# Connecticut Industry Hydrogen and Fuel Cells



# SKYRE



# FuelCell Energy



# PROTON<sup>®</sup> PART OF nel<sup>•</sup> ON SITE

# Special Act 22-8

## Background



- **Overview** – establishes a task force to study hydrogen-fueled energy in the state’s economy and energy infrastructure
- **Composition** – identifies ex officio and political appointed members to the task force
- **Deliverable** – not later than January 15, 2023, the task force shall submit a report on its findings and recommendations to the Energy & Technology Committee

# Task Force



## Appointed and **Ex Officio** Membership

- **President of the Connecticut Green Bank (Chair of Task Force)**
- 6 representatives from EDCs (4 electric, 2 gas)
- Representative from a nuclear power generating facility
- Representative of the building trades
- 3 representatives of CT manufacturers of hydrogen-fueled energy technology
- 3 representatives of environmental organizations that advocate for renewable energy
- 2 members of the CT Hydrogen-Fuel Cell Coalition
- **Chairperson of PURA (or designee)**
- **Commissioner of DEEP (or designee)**
- **President of the University of Connecticut (or designee)**
- **Director of energy initiative at the Connecticut Center of Advanced Technology**



# Consultant

## Working Group Tasks



### ■ **Policy & Workforce Development**

- A review of regulations and legislation needed to guide the development and achievement of economies of scale for the hydrogen ecosystem in the state\*
- Recommendations for workforce initiatives to prepare the state's workforce for hydrogen-fueled energy-related jobs

### ■ **Funding**

- An examination of how to position the state to take advantage of competitive incentives and programs created by the federal Infrastructure Investment and Jobs Act
- Recommendations for funding and tax preferences for building hydrogen-fueled energy facilities at brownfield sites through the Targeted Brownfield Development Loan program\*
- Recommendations regarding funding sources for developing hydrogen-fueled energy programs and infrastructure

\*The Green Bank will provide legal counsel to support the contractor selected through this RFP

# Consultant

## Working Group Tasks (cont'd)



### ■ **Hydrogen Sources**

- An examination of the sources of potential clean hydrogen, including, but not limited to, wind, solar, biogas and nuclear

### ■ **Hydrogen End-Uses**

- Recommendations for potential end uses of hydrogen-fueled energy

### ■ **...shall include, but not be limited to...**

- Additional areas of study (e.g., engagement of environmental justice communities, Defense Protection Act, etc.) identified by RFP submitters and members of the task force

### ■ **Administrative Support** – to task force and working groups, including agendas, notes, minutes, etc.



# Request for Proposals

## Timeline



Description	Date
RFP Issued	May 27, 2022
Due Date for Applicant Questions	June 13, 2022
Responses Posted by the Green Bank	June 15, 2022
Applicant Submission Due Date	June 20, 2022
Green Bank Decision & Bidder(s) Notification	June 30, 2022
Professional Services Agreement Signature Due Date	By July 11, 2022
<b>First Task Force Meeting</b>	<b>July 12, 2022</b>
Final Deliverable to Legislature	January 15, 2023

Any Applicant Questions following this presentation should be submitted to:

[RFP-Responses@ctgreenbank.com](mailto:RFP-Responses@ctgreenbank.com)

# Questions and Answers



# Green Bonds US



**Thank You**

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[www.ctgreenbank.com](http://www.ctgreenbank.com)

[www.greenlibertybonds.com](http://www.greenlibertybonds.com)