

Local Energy Resources Network



Meeting 28
March 12, 2024

*Featuring a Presentation on IBank's
Climate Finance Program*



Welcome!

Purpose

Interactive 1-hour meetings designed to be a regular space where local governments - and those who work with them - can help each other learn about (and possibly inform) available opportunities to advance their energy and climate goals.

TODAY'S AGENDA

- Opportunity Roundtable
- Featured Presentation and Q&A: IBank
- BPC Workshop - CCEC Legislative Tracker
- Optional: Extended 15 minutes for Bonus Breakouts



Opportunity Roundtable

Need/Have
Board

View all
Opportunities

Policy Drives Investment

Agencies Scope/ Design Assistance Programs & Gather Input

Applicants Apply to Funding Solicitation

State

- FY 21-22 Budget (\$15B climate resilience)
- FY 22-23 Budget (\$38.8B climate change)
- Cap and Trade auction revenue allocations (~\$19B raised since 2013)
- FY 23-24 Budget
- State agency proceedings (e.g. *CPUC microgrid, CEC IEPR, *CARB Scoping Plan)
- 9th circuit panel of judges denied petition for an en banc rehearing of Berkeley's gas ordinance.
- CA Priority Climate Action Plan new

Federal

- Infrastructure Investment and Jobs Act (IIJA) (2021) = \$47B in climate resilience funding
- FY 22-23 Budget (\$44.9B climate change)
- Inflation Reduction Act (IRA) (2022)
- Biden's Proposed FY 23-24 Budget (\$52.2B climate change)

Funding

- HCD: Affordable Housing and Sustainable Communities (AHSC) Program (Round 8; \$675M) - due March 19
- CEC: EPIC Grid-Supportive Transportation Electrification Grants - due March 29
- EPA: Climate Pollution Reduction Grants (\$4.6B), Phase 2 Implementation - due April 1, 2024. EPN app guide
- CEC: Charging Infrastructure for Government Fleets - due April 5
- EPA: Strategies to Increase Hydropower Flexibility - Concept Papers due January 18 - due April 11
- DOE: Solutions for Lasting, Viable Energy Infrastructure Technologies (SOLVE IT) Prize (\$5M) - due April 12
- CEC: Geothermal Grants - due April 12
- CEC: Power Electronics for Zero-Emission Residential Resilience - April 19
- FTA: Low or No Emission and Grants for Buses and Bus Facilities Competitive Programs - (\$1.5B) - due April 25
- DOE: EECBG Formula Grants and Voucher - due April 30
- DOE: Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) - CP due Dec 18 - due April 30
- DOE: Technology Integration (\$15M) : Concept papers due March 12; applications due April 30
- DOE: Upskill Prize for the Solar Manufacturing Workforce (\$5M) - due May 21
- DOE: Communities Sparking Investment in Transformative Energy (C-SITE) (\$18M) - due May 31
- EPA: Environmental and Climate Justice Community Change Grants - Nov 21, 2024. EPN app guide.
- IRS: Consumer clean energy tax credits live!
- DOE: Low-Income Communities Bonus Credit (rolling applications)

Other Assistance

- CivicWell: Host a CivicSpark Fellow: applications due June 7



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Input

- State/Local Energy & Climate Coordination (SLECC); March 14 on reducing application burden
- CEC: Pre-Solicitation Workshop for Equitable Building Decarbonization Direct Install Program - March 14
- CARB: Priority Climate Action Plan and Climate Pollution Reduction Program survey
- CARB: Research Strategy Roadmap: submissions due April 10 - next LERN
- CEC: 2025 SB 100 Report Non-Energy Benefits Workshop- April 16

- CARB: Community Engagement Model:
Comment due April 3

Engagement is:

- Facilitating a deeper understanding of issues and projects.
- Providing a forum for sharing ideas and concerns.
- Seeking out and understanding ideas, concerns, thoughts, advice, or recommendations.
- Recording input received and turn it into actionable items.

Engagement is not:

- Simply attending community meetings or special events.
- Pushing a project or regulation.
- Seeking buy-in.
- Public Relations / Marketing.
- Education (in isolation).
- One-way communication.
- Talking and listening to people without actionable items.



Featured Presentation



Climate Finance Associate
IBank

Taylor Carnevale

California IBank & Green Banking in California

March 2024



California Infrastructure and
Economic Development Bank

California Infrastructure and Economic Development Bank

The California Infrastructure and Economic Development Bank (IBank) was created in 1994 to finance public infrastructure and private development that promote a healthy climate for jobs, contribute to a strong economy, and improve the quality of life in California communities.



**Infrastructure State
Revolving Fund
Program**

Low-cost public
financing to state, local,
and
government-sponsored
non-profit entities



**Climate
Financing**

Accessible
financing for
climate
solutions



**Bond Financing
Program**

Conduit bond
issuances



**Small Business
Finance Center**

Loan guarantees and
affordable capital for
small businesses,
underrepresented venture
capital fund managers &
climate entrepreneurs

\$51B

Total **bond**
activity



59,313

jobs reported from
bond projects

\$2.1B

small business
loans supported
since FY 13-14*



453,085

jobs created or retained
since program inception

\$1B

Total infrastructure
loans closed



24,757

jobs reported from
loan projects



Green Municipal
Loans Closed

\$152M



Green and Social
Bonds Issued

\$2.8B

IBank Climate Catalyst Program



A revolving loan fund that provides flexible, low-cost credit and credit support for key climate solution's infrastructure.



Designed to increase the speed and scale at which technologically proven, critical climate solutions are deployed by addressing key gaps in the capital market.



Focused on mobilizing public and private finance for shovel-ready projects that are stuck in the development phase.



Climate Catalyst Financing Programs

Established Programs



**Forest Biomass
Management and
Utilization**



**Clean Energy
Transmission**

Potential New Programs



Distributed Generation & Storage



Net-Zero Emissions Buildings



Zero Emissions Transportation

US EPA Greenhouse Gas Reduction Fund

As part of the Greenhouse Gas Reduction Fund, EPA is launching the **\$14B** National Clean Investment Fund (NCIF) and **\$6B** Clean Communities Investment Accelerator (CCIA) competitions to deliver green financing and build the capacity of green banks and other financing entities.

2-3

NCIF awards to national nonprofit clean financing institutions.

2-7

CCIA awards to hub nonprofits.

2022

August 2022: President Biden signs the Inflation Reduction Act.

November 2022: US EPA releases GHGRF RFI.

2023

July 14, 2023: NCIF & CCIA NOFOs released.

October 2023: NCIF & CCIA applications due.

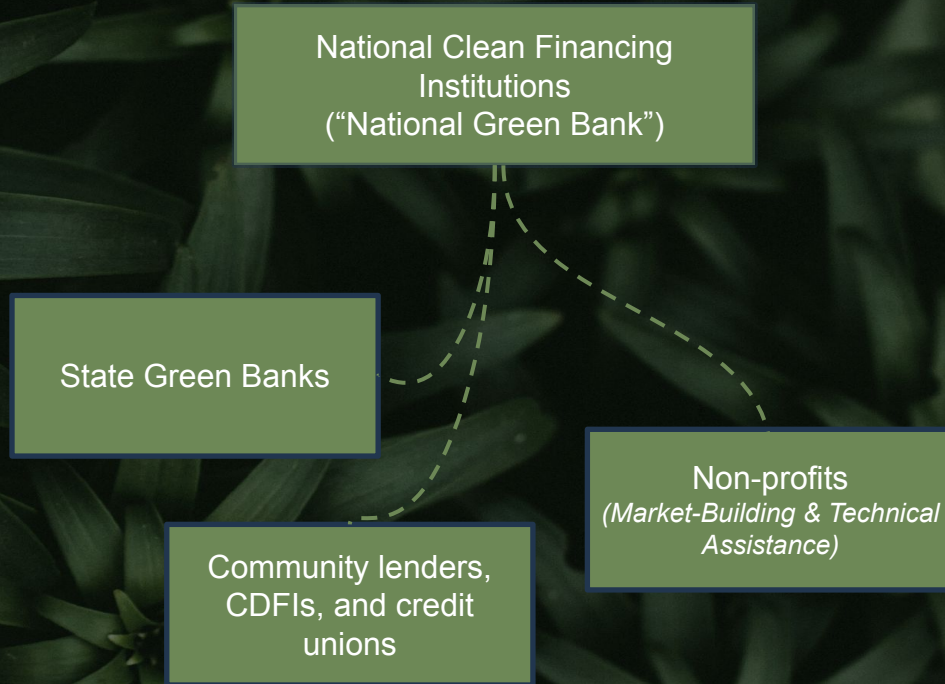
2024

March 2024: Initial selection of recipients.

July 2024-2031 : Grant Period of Performance.

US EPA National Clean Investment Fund

- National nonprofit clean financing institutions awarded under NCIF will:
 - Partner with the private sector to provide accessible, affordable financing for clean tech projects at the national, regional, state, and local levels.
 - Ensure a flow of 40%+ of capital into low-income and disadvantaged communities.
 - Prioritize investment in qualified projects that would otherwise lack access to financing.
 - In California, this can create a new permanent, revolving fund to pair with our grant programs.



National Clean Investment Fund

Priority Project Criteria

Qualified Project Checklist

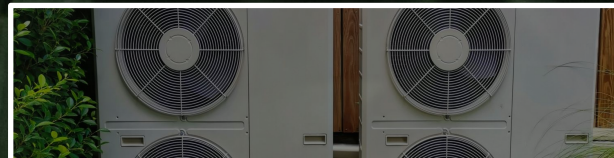
<u>Requirement</u>	<u>Rationale</u>
<input type="checkbox"/> Would the project, activity, or technology reduce or avoid greenhouse gas emissions (including carbon dioxide, hydrofluorocarbons, methane, nitrous oxide, perfluorocarbons, and sulfur hexafluoride) consistent with the climate goals of the United States?	<i>[Determined by project category, transaction, etc.]</i>
<input type="checkbox"/> Would the project, activity, or technology reduce or avoid emissions of other air pollutants ?	<i>[Determined by project category, transaction, etc.]</i>
<input type="checkbox"/> Would the project, activity, or technology deliver additional benefits to American communities within <u>one or more</u> of the following four categories? <ul style="list-style-type: none"><input type="checkbox"/> Clean energy and energy efficiency<input type="checkbox"/> Clean transportation<input type="checkbox"/> Affordable and sustainable housing<input type="checkbox"/> Training and workforce development	<i>[Determined by project category, transaction, etc.]</i>
<input type="checkbox"/> May the project, activity, or technology not otherwise have been financed ?	<i>[Determined by project category, transaction, etc.]</i>
<input type="checkbox"/> Would the project, activity, or technology mobilize private capital ?	<i>[Determined by project category, transaction, etc.]</i>
<input type="checkbox"/> Would the project, activity, or technology support only commercial technologies ?	<i>[Determined by project category, transaction, etc.]</i>

If the project, activity, or technology would fail to meet **any** of the six eligibility requirements above, then it would **not be a qualified project.**

&



Distributed Generation & Storage



Net-Zero Emissions Buildings

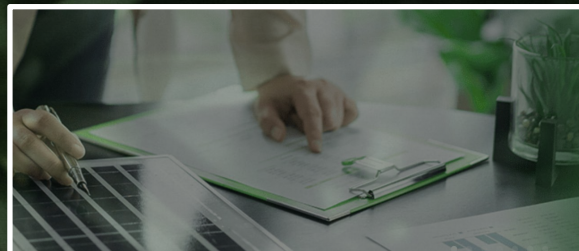


Zero Emissions Transportation

Climate Financing Request for Information

IBank and the State Treasurer's Office issues this RFI to gather feedback from stakeholders, including private capital partners, impact investors, developers, local governments community groups, philanthropies, and other market participants to:

- 1. Identify where specific financing gaps exist**, and specific solutions to maximize the impact of public resources to effectively meet the market's needs.
- 2. Learn from established financing products** that have been effectively deployed in the marketplace that can be taken to scale using public resources.
- 3. Evaluate potential financing platform partnerships** the state can leverage, to reach target market sectors.



Next Steps & Discussion

The RFI remains open indefinitely.

- Between now, anticipated award announcements (March) and the release of capital (July), IBank/STO teams are focused on:
 - Analyzing current market dynamics and capital gaps.
 - Developing financial products that the market is calling for, and can be scaled.
 - Identifying partners that can help us make an impact:
 - Promoting good projects that meet community needs.
 - Leveraging additional capital wherever possible.
 - Prioritizing efficient, targeted investment practices that markets embrace over time.

We need your help – with projects, community engagement, and a broad range of strategic partnerships!

Discussion Questions

- What are the types of financial products that the market needs from the state green bank? Where do you see project finance gaps?
 - For example, debt instruments such as pre-development, construction, and term lending; loan warehousing, purchasing, and aggregation facilities; credit enhancements such as loan guarantees, loan guarantee funds, and loan loss reserves; and other structures as appropriate and indicated as needed by market participants.
- What financial products have been effectively deployed in the marketplace, inside and outside of California, that can be taken to scale using NCIF resources?
 - What financial product design features have been demonstrated to be ineffective, and should be avoided in this new initiative?
- Under current and anticipated market conditions, and given the need to efficiently deploy significant amounts of capital into thousands of small-scale assets, are there intermediaries or partnership platforms the state should establish or promote, across the three priority sectors?



Taylor Carnevale
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California Infrastructure and Economic
Development Bank
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California Infrastructure and
Economic Development Bank



Audience Q&A

Please add your questions in the chat or raise your hand

BPC Workshop

Topic: Discussion

CCEC's new Legislative Tracker Database

<https://eecoordinator.info/legislative-database/>

AB-1829 / Patterson, Jim

Electricity: certificate of public convenience and necessity: transmission lines

This bill would require the CPUC to issue a decision on an application for a certificate of public convenience and necessity within 18 months of the filing of a completed application for building or upgrading an electrical transmission line that is reasonably necessary to facilitate the achievement of the above-described state policy under those same circumstances.

Latest Activity: 01/29/24 - Referred to Com. on U. & E.

Status: Active | 10% Introduction / Pending referral

READ MORE

AB-1918 / Wood

State building standards: solar-ready requirement: exemption

This bill would exempt a building that is constructed in the service territory of a public utility district and that receives all of its electricity pursuant to a preference right adopted and authorized by the United States Congress, if that electricity is carbon free, from the building standards adopted by the CEC and the California Building Standards Commission that require new residential and commercial buildings to be solar ready. It would make legislative findings and declarations as to the necessity of a special statute for the Trinity Public Utilities District.

Latest Activity: 02/12/24 - Referred to Coms. on U. & E. and B. & P.

Status: Active | 20% Committee hearings

READ MORE

AB-1921 / Papan

Energy: renewable electrical generation facilities: linear generators

This bill would expand the definition of "renewable electrical generation facility" under the California Renewables Portfolio Standard Program to include a facility that uses linear generators, as defined, using renewable fuels and meets those other specified requirements.

Latest Activity: 02/05/24 - Referred to Coms. on U. & E. and NAT. RES.

Status: Active | 10% Introduction / Pending referral

READ MORE

BILL PROGRESS

Using the filter functions below, you may search for bills sponsored by specific authors, or set at a specific status.

Feel free to use any or all of these filters to find the most relevant bills!

Author Bill Number

% Status Topic Area

Filtered results will include opportunities that meet at least one filter selected within a category, and will also show opportunities that meet 2+ filters across multiple categories.

Interested in
submitting a California
bill for inclusion on this
site?

Email Us!

Local Energy Resources Network



What's Next?

- Bonus Breakouts up next!
- Next meeting **April 9th, 2024**
- Share [invitation](#) with others



Optional: Bonus Breakouts

Thanks for joining us!

This is a space for informal discussion among the LERN network. Feel free to:

- Offer an announcement, success story, or opportunity
- Share a need for information, collaborators, or advice
- Raise a suggested topic or speaker for future LERNS

If you need an in-depth discussion, you can pitch a specific bonus breakout topic and invite others to join you (today or we can plan ahead for next month)



CCEC Serves Local Needs



wEEkly Update



CURRENTS Quarterly



Webinars



Annual Forum



Active Funding Opportunities



Funding Program Database



Technical Assistance



Technical Assistance Directory



Local Government Roundtables



Best Practice Database



Interviews and Case Studies