National Climate Bank
Clean Energy and Sustainability Accelerator, Inc., 501c(3) nonprofit

Today: GHG Reduction Fund
Page 350 in Build Back Better Act
National Climate Bank uses public funds to attract private funding at 3:1 ratio.
BBB GHG Reduction Fund provides $29B

Congress Passes BBB

EPA Makes Grant

Nonprofit Accelerator

$$ to 50-state Network of Green Banks
Time to set up National Climate Bank

- Clear mandate to create single, national Clean Energy and Sustainability Accelerator.

**Congress sponsored it**

*Passed the House by name 3x*

2020, 2020, 2021

**Administration asked for it**

*Included by name in American Jobs Plan*

“...Establish a $27 billion Clean Energy and Sustainability Accelerator to mobilize private investment into distributed energy resources; retrofits of residential, commercial and municipal buildings; and clean transportation.”

**President told the world about it**

*Presented at COP26*

“Advance environmental justice through a new Clean Energy and Sustainability Accelerator that will invest in projects around the country, while delivering 40% of the benefits of investment to disadvantaged communities.”
Green banks prove merit for last decade

23 green banks in 17 states & D.C. during last 10 years.

Have spent $2.6 billion, causing $9 billion total investment in clean power platform.

Cumulative default rate under 0.5%.
Existing, proposed green banks need working capital to expand, get going

Currently 21 nonprofit and state green banks would start if they had capital, shared expertise, access to national financing tools
CESA to complete national network

- Recruit existing CDFIs, minority-owned banks, nonprofits, and other mission-aligned finance institutions
- Involve mayors, governors, city councils to create new government-sponsored institutions where appropriate
- Stand up and financially support new nonprofit institutions led by local actors
- Involve private investors, utilities, contractors to build climate finance ecosystems in every state
State & local green banks ready to partner with national green bank

Nearly every green bank is prepared to deliver significant early tangible outcomes in reducing GHG emissions

Early activity to include tangible projects and new programs

Day 1 projects feature environmental justice

Existing Green Banks Have $21 Billion of Additional Identified Projects In Need of Financing!!

Green Bank Consortium Day One Projects

- Texas: $28m affordable housing efficiency and solar project
- Louisiana: $25m green mortgage product
- Maryland: $3m in small solar projects at nonprofits
- Hawaii: $14m smart meter project
- Connecticut: $20m in LMI building electrification project
- Rhode Island: $10m in loans for commercial Class B & C projects
- Florida: $10m in LMI resilience, solar, and efficiency projects
- Michigan: $2m for residential energy efficiency and solar projects
- California: $15m for residential energy efficiency projects
- Colorado: $10m for affordable housing EE and electrification
- Pennsylvania: $3m in solar projects on Philly public schools
- New York: $50m in affordable housing EE, renewables, and electrification projects
- DC: $4m for LMI solar and stormwater mgmt project

American Green Bank Consortium ready to finance projects with strong EJ benefits using money from CESA
Network primed for more EJ investment

CAEATFA: 50%+ of residential energy efficiency lending to LMI borrowers

Michigan Saves: 56% to LMI borrowers

Connecticut Green Bank: 53% of solar lending to LMI borrowers

Florida Solar Energy Loan Fund: 73% to LMI borrowers

Hawaii Green Infrastructure Authority: Forward commitment to 100% LMI lending
National strategy

Consumer benefits/ghg reduction/health benefits/job creation
1. Power prices affect U.S. consumers differently
2. States differ in carbon power use
3. Harming children’s health at varying levels
4. Requiring more new job creation where transition has more impact

Top areas for Fossil Energy related employees
Today: Clean power scattered, modest
$3 trillion investment spreads generation everywhere

Wind and Solar Needed by 2050

2020 - 2050 (cumulative)

<table>
<thead>
<tr>
<th></th>
<th>Wind</th>
<th>Solar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity installed (TW)</td>
<td>1.48</td>
<td>1.45</td>
</tr>
<tr>
<td>Total Land used (1,000 km²)</td>
<td>550</td>
<td>38.3</td>
</tr>
<tr>
<td>Direct Land used (1,000 km²)</td>
<td>5.5</td>
<td>34.5</td>
</tr>
<tr>
<td>Capital Invested (2018 $)</td>
<td>$1.84 T</td>
<td>$1.39 T</td>
</tr>
</tbody>
</table>

Wind Projects
Solar Projects

Note: Site capacity factors are reflected in color intensity (highest CF = darkest color).

Source: Princeton University
Must lower energy costs for low, middle income households
May need to bolster other transmission programs
Creating diverse jobs everywhere

Jobs for Range of Skillsets

- Sales: 16%
- Production & Manufacturing: 36%
- Management: 16%
- Installation & Repair: 17%
- Administrative: 10%
- Other: 5%

SOC Code | Job Classification
--------|----------------------
11-1010 | Chief Executives
11-1021 | General and Operations Managers
11-2011 | Marketing Managers
11-3012 | Administrative Service Managers
11-3024 | Computer and Information Systems Managers
11-3031 | Financial Managers
11-3051 | Industrial Project Managers
11-3061 | Purchasing Managers
11-3071 | Transportation, Storage, and Distribution Managers
11-8111 | Compensation and Benefits Managers
11-3121 | Human Resources Managers
11-3130 | Training and Development Managers
23-1011 | Lawyers
23-1041 | Paralegals and Legal Assistants
13-1071 | Human Resource Specialists
13-1051 | Cost Estimators
13-1041 | Compliance Officers
13-2011 | Accountants and Auditors
13-2031 | Budget Analysts
13-2040 | Credit Analysts
13-2053 | Insurance Underwriters
7 key job sectors

- Renewable Power
- Grid Infrastructure
- Transportation
- Buildings
- Climate Resilience
- Industry
- Sustainable Ag & Forestry
$29b public funds enable $30b bond in year one; recycled twice in ten years

- $229b total investment over 10 years (public and private)
- 3m+ new jobs over ten years
- Work in every target community
EJ Example: Improve Household in Marshall County, WV

- Owner-occupied homes - 12,600
- Median home value - $109,300
- Median income - $48,500
- Unemployment – 7.0%
- Poverty Rate - 14%
- Annual Energy Costs - $4,000
- Savings from Upgrade - $2,400
- Project Capital Cost - $78,000
Justice for all

- “True” carbon to clean transition delivers victory in climate crisis, justice for communities harmed by pollution, hit by job loss, left out of gains enjoyed by the rest of country.

- “This cannot be the sort of ‘just transition’ wishful thinking... There must be a set of specific, concrete actions that are fully-funded and long-term.” -United Mine Workers of America

- 4 ghg funds; 2 aim exclusively at “low-income and disadvantaged communities”; total $15b
...so America can lead world.

- Accelerator-driven investment reduces annual GHG emissions by 124 mmt in 2030
- Single biggest environmental justice investment in American Jobs Plan
And Accelerator pays for itself

- Accelerator can borrow funds on top of Congressional funding
- Increases total private investment leveraged
- Private investment is profit-seeking, profit is taxable
- New government revenue covers costs of original capitalization
We’ve done big changes before

From mid-90s to 2010, total transformation of information platform.

Government, entrepreneurs, private investment enabled America to lead the world in this change.

In a crisis bad countries fail, good countries survive, but great countries grow greater.
Let’s do it again.

- Accelerator creates green banks, investment in every state
- Local solutions locally directed
- Implement GHG Reduction Fund
Contact us

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Learn more at https://coalitionforgreencapital.com/accelerator/
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Appendix
Fills gaps & complements existing policy
A majority of Americans in every state support moving to 100% clean energy by 2035.
In West Virginia, 54% of likely voters support the Accelerator, with only 31% opposing. (+23%)
In Alaska, 68% of likely voters support the Accelerator and only 20% oppose. (+48%)
Efficiency investments can improve competitiveness of Massachusetts’ manufacturing

Top 10 Massachusetts Manufacturing Sectors, in Millions of Dollars, 2019

- Computer and electronic products
- Chemical products
- Miscellaneous manufacturing
- Fabricated metal products
- Food, beverage and tobacco products
- Machinery
- Aerospace and other transportation equipment
- Electrical equipment and appliances
- Plastics and rubber products
- Printing and related support activities

Coalition for Green Capital

National Association of Manufacturers
Focus on Small Projects

- Hard to finance small household upgrades with efficiency, solar, electrification and resilience
- Green banks work with contractors and private banks to drive financing
  - Direct financing, aggregation, then sale
  - Co-finance alongside private bank
  - Private bank finances with guarantee
- In all cases, energy costs savings for household are greater than financing repayment —> Immediate Net Savings