



CAREERS in ENERGY, CLIMATE, & FINANCE

Working together to achieve our goals.



GOVERNMENT OF THE
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

Who, What, & Why?



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*Senior Policy Advisor
Department of Energy &
Environment*



A MODEL FOR SUCCESS

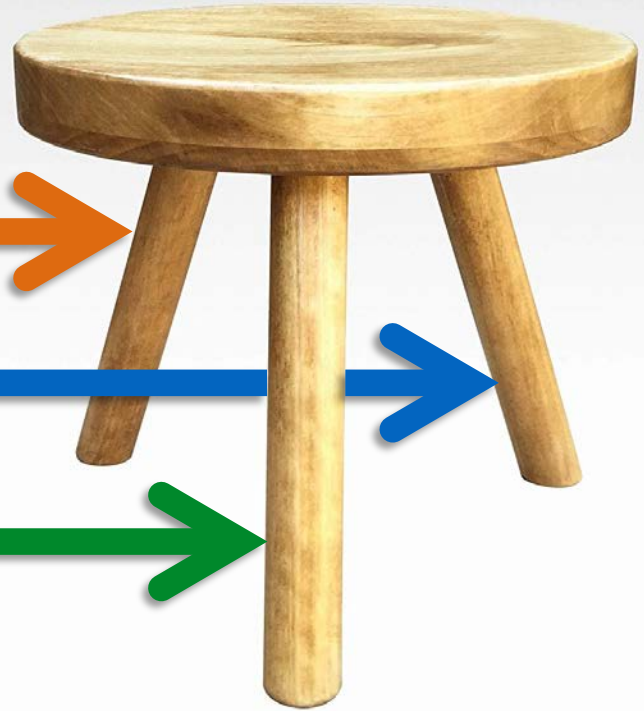
REGULATIONS



EDUCATION



INCENTIVES &
FINANCING



GOALS: 2032



ADAPT TO CLIMATE CHANGE

CLIMATE READY BUILDINGS

CUT ENERGY USE 50%

50% RENEWABLE ENERGY

NET ZERO NEW BUILDINGS

NET ZERO RETROFITS

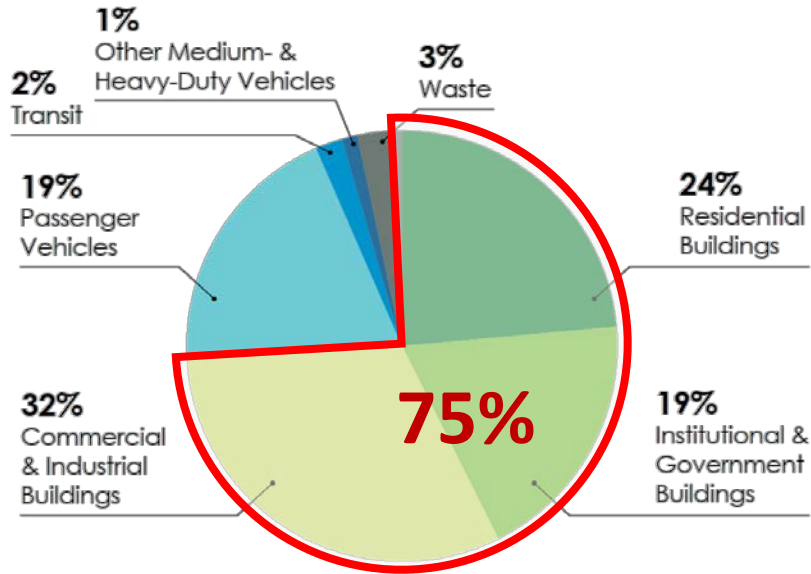
CUT GHG EMISSIONS 50%



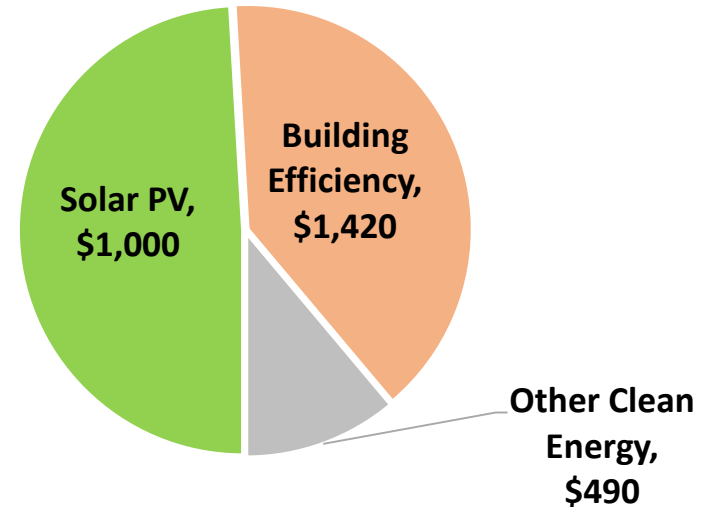
2050: Mayor Bowser Commitment to ZERO Carbon

THE OPPORTUNITY:

MODELED PROPORTION OF GHG EMISSIONS BY SECTOR



DC CLEAN ENERGY INVESTMENT OPPORTUNITY (\$ MILLIONS)



What is a Green Bank?

By using public funding to attract and accelerate private investment, Green Banks make access to funds for energy efficiency and clean energy easy and affordable.



- ▶ LOANS & LEASES
- ▶ CREDIT ENHANCEMENTS
- ▶ OTHER FINANCING SERVICES

*A Green Bank's Goal is
Volume & Scale*



The DC Green Bank



MISSION

The DC Green Bank will accelerate the deployment of clean energy, energy efficiency, and resilient design, while **leveraging private investment**.

GOALS



Create jobs and spur economic growth



Meet the city's sustainability and resilience goals



Reduce carbon emissions and install clean energy systems



Reduce resident's utility costs



Improve energy infrastructure resilience



Green Banks are growing throughout the US.



California Lending for Energy and Environmental Needs Center

michigan saves
SM

NEW YORK STATE OF OPPORTUNITY
NY Green Bank
A Division of NYSERDA

CONNECTICUT GREEN BANK
SM

NYCEEC
NEW YORK CLEAN ENERGY FINANCE CORPORATION

RHODE ISLAND INFRASTRUCTURE BANK

Montgomery County GreenBank
Your partner for clean energy ...

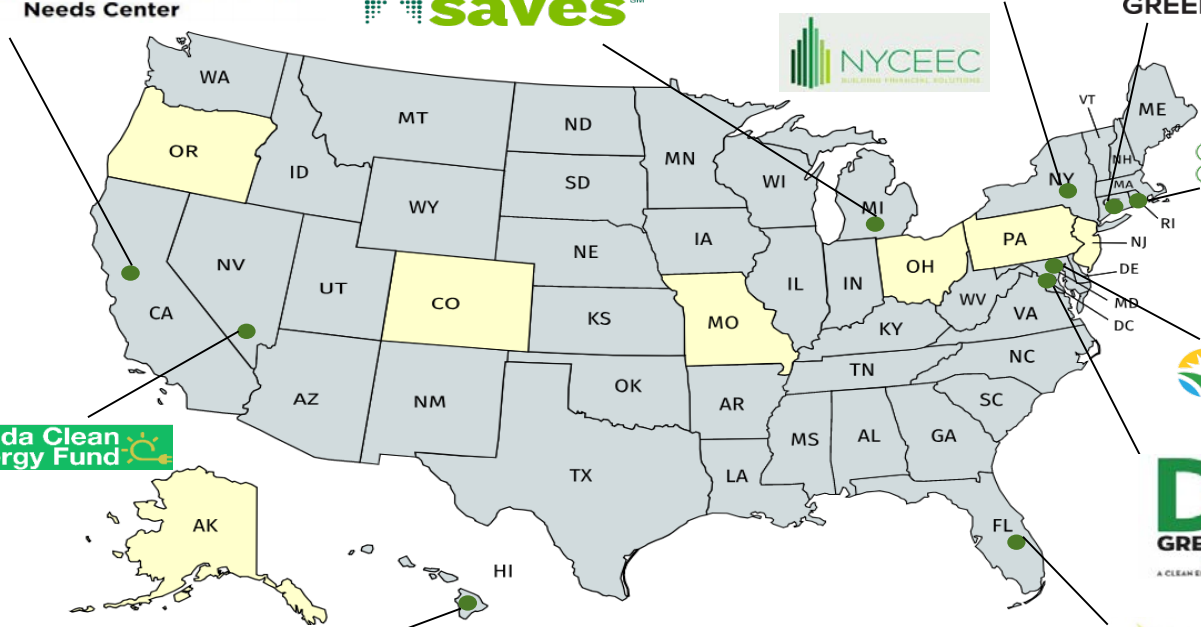
DC GREEN BANK
A CLEAN ENERGY FINANCE SOLUTION

SELF
SOLAR AND ENERGY LOAN FUND

Nevada Clean Energy Fund

GEMS

INTEGRAL PARTNERS
coalition for green capital



GB Exploration Project

In the US, Green Banks have caused investment in excess of \$2 billion at the state and local level



Prominent examples include:



- CGB has used \$219m in public dollars to cause over \$1.3b in investment in Connecticut economy
- 16,000 direct and indirect job years
- 6 to 1 leverage ratio



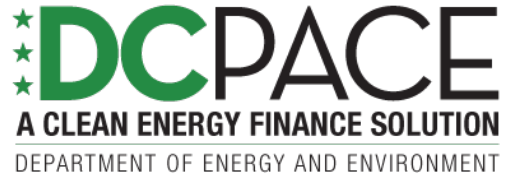
- Deployed more than \$150m in financing
- Programs in the residential, commercial, and industrial sectors
- 20:1 leverage ratio



- Deployed \$522m in financing in New York State thus far
- Achieved positive net income in 2017, now a financially self-sustaining organization moving forward
- 3 to 1 leverage ratio



Planned Financial Products



SINGLE-FAMILY LOAN

Quick to close, low-interest rate loans for single family home owners. Loans can be used to improve energy efficiency, lower utility costs, install solar, improve resilience.



COMMERCIAL/ MULTI-FAMILY LOAN

Reduced-interest loans for multi-family or commercial buildings for energy efficiency improvements, stormwater infrastructure, solar, and more!



GAP-FINANCING FOR SOLAR

A short-term pre-development and construction loan for commercial solar and community solar project development.



"We are the first generation to feel the effect of climate change and the last generation who can do something about it."

— President Obama

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