CAREERS in ENERGY, CLIMATE, & FINANCE

Working together to achieve our goals.
Who, What, & Why?

Jay Wilson RA, LEED AP BD+C
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Department of Energy & Environment
A MODEL FOR SUCCESS

REGULATIONS

EDUCATION

INCENTIVES & FINANCING
GOALS: 2032

- Adapting to Climate Change
- Climate Ready Buildings
- Cutting Energy Use 50%
- 50% Renewable Energy
- Net Zero New Buildings
- Net Zero Retrofits
- Cutting GHG Emissions 50%

2050: Mayor Bowser Commitment to ZERO Carbon
THE OPPORTUNITY:

MODELED PROPORTION OF GHG EMISSIONS BY SECTOR

- **2%** Transit
- **3%** Waste
- **19%** Passenger Vehicles
- **32%** Commercial & Industrial Buildings
- **19%** Institutional & Government Buildings
- **24%** Residential Buildings
- **1%** Other Medium- & Heavy-Duty Vehicles

DC CLEAN ENERGY INVESTMENT OPPORTUNITY ($ MILLIONS)

- **Solar PV, $1,000**
- **Building Efficiency, $1,420**
- **Other Clean Energy, $490**

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.

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.

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

DC PACE
A CLEAN ENERGY FINANCE SOLUTION
DEPARTMENT OF ENERGY AND ENVIRONMENT

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.

@DCGreenBank

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