

A composite image featuring a wind turbine on the left, a solar panel in the middle-left, and the dome of the US Capitol building in the center. The background is divided into horizontal bands of light green, yellow, orange, and blue. The text is overlaid on the top half of the image.

DISTRICT OF COLUMBIA

Building Energy Performance Standards

★ ★ ★ DEPARTMENT
OF ENERGY &
ENVIRONMENT

WE ARE
DISTRICT
GOVERNMENT OF THE
DISTRICT OF COLUMBIA
DC MURIEL BOWSER, MAYOR

DC ENERGY & CLIMATE GOALS: 2032



ADAPT TO CLIMATE CHANGE

CLIMATE READY BUILDINGS

CUT GHG EMISSIONS 50%

CUT ENERGY USE 50%

50% RENEWABLE ENERGY

NET ZERO NEW BUILDINGS

NET ZERO RETROFITS

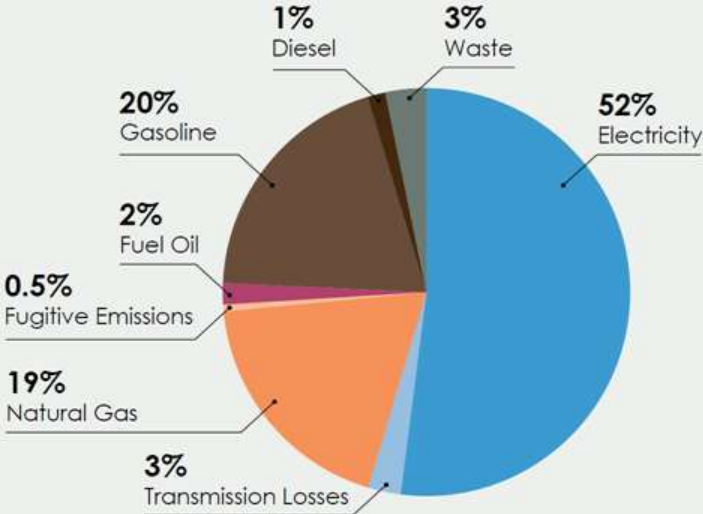


Mayor Bowser Commitment to ZERO Carbon by 2050

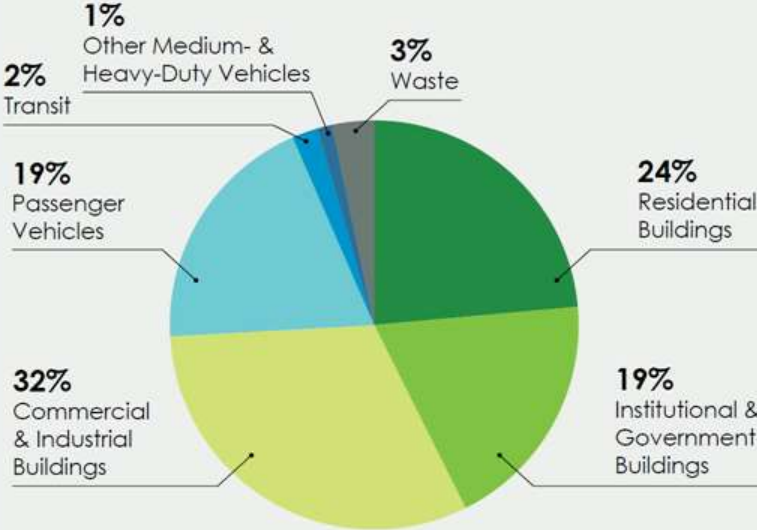


ENERGY USE AND EMISSIONS IN DC

PROPORTION OF GHG EMISSIONS BY SOURCE

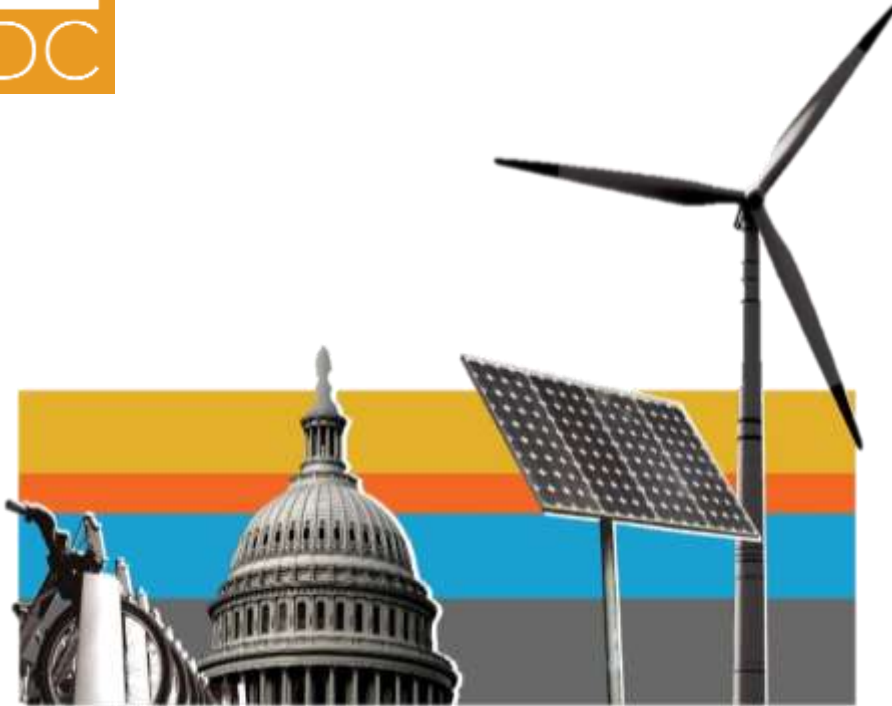


MODELED PROPORTION OF GHG EMISSIONS BY SECTOR





CLEAN ENERGY DC MEANS....



CLEAN ENERGY DC OMNIBUS ACT OF 2018

New Buildings

Adopt a **Net Zero Energy building code by 2026**

Existing Buildings

Improve the performance of existing buildings by implementing a **Building Energy Performance Standard**

100% Renewable Electricity

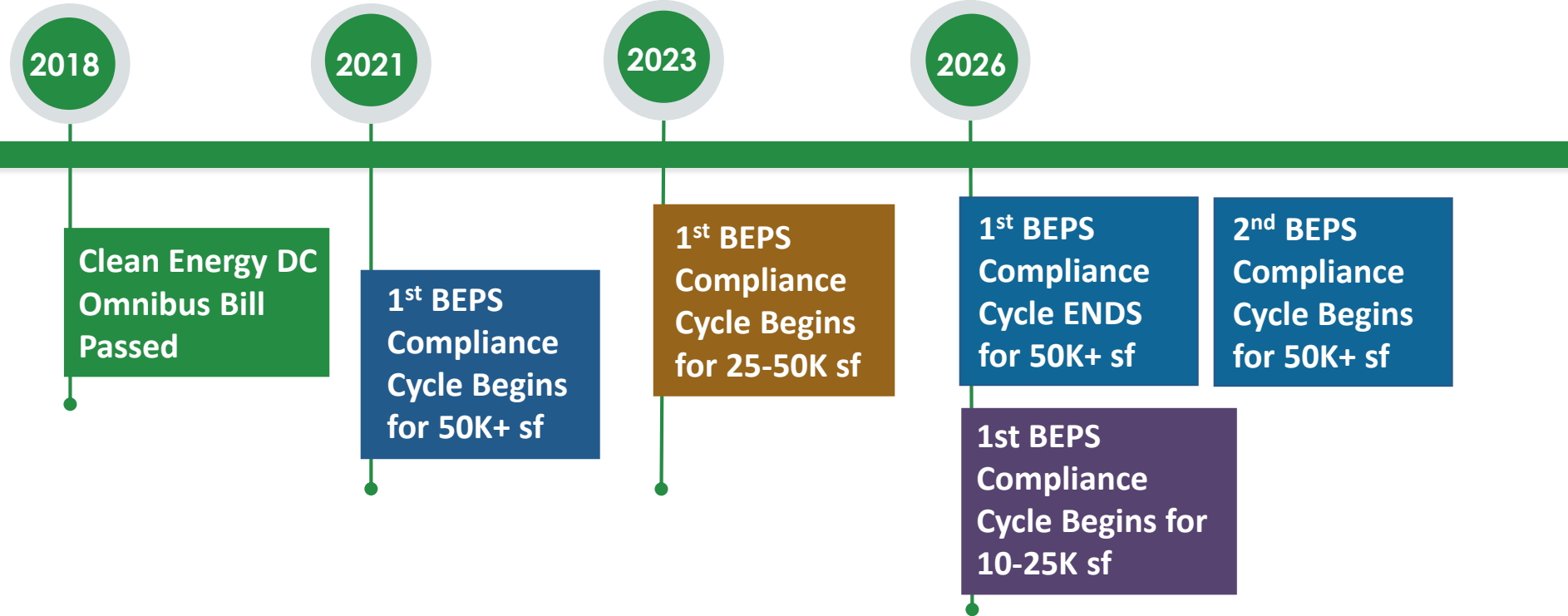
Require **100% renewable electricity** by 2032, and **10% from local solar** by 2041

Building Energy Performance Standard

- ❑ DOEE must establish a minimum threshold for energy performance – will be “at least” the local median ENERGY STAR score by building type (or equivalent)
- ❑ 5-year compliance cycles - 1st cycle begins 2021
- ❑ Compliance paths for bldgs. below minimum:
 - ❑ Performance: Reduce energy usage 20%
 - ❑ Prescriptive: Implement cost-effective energy efficiency measures
 - ❑ Other as determined by DOEE
- ❑ Create BEPS Task Force for implementation plan, recommend amendments and complementary programs/policies
- ❑ Develop Strategic Energy Management Plan for District-owned bldgs.



BEPS Compliance Cycles



Benchmarking Changes

Third Party Verification
Now Required Every
Three Years

2009

Benchmarking
DC-owned
> 10K sf

2013

Benchmarking
private-owned
> 50K sf

2018

Clean Energy DC
Omnibus Bill
Passed

2021

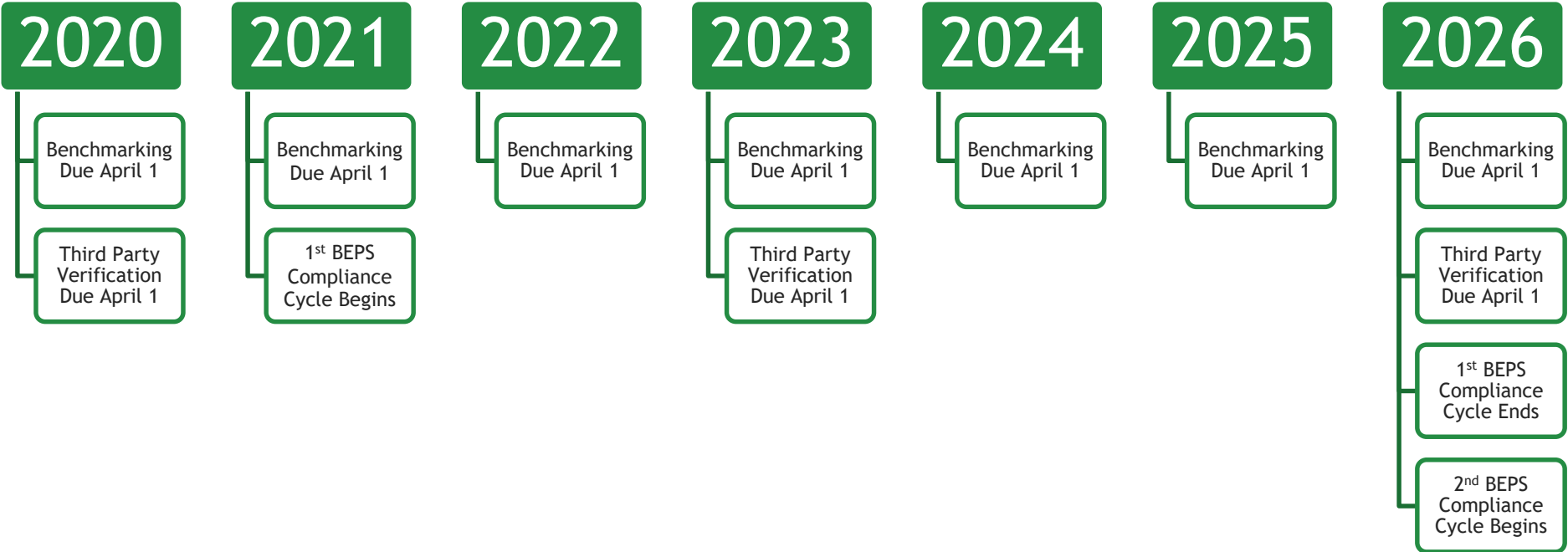
Benchmarking
private-owned
drops to 25K sf

2024

Benchmarking
private-owned
drops to 10K sf

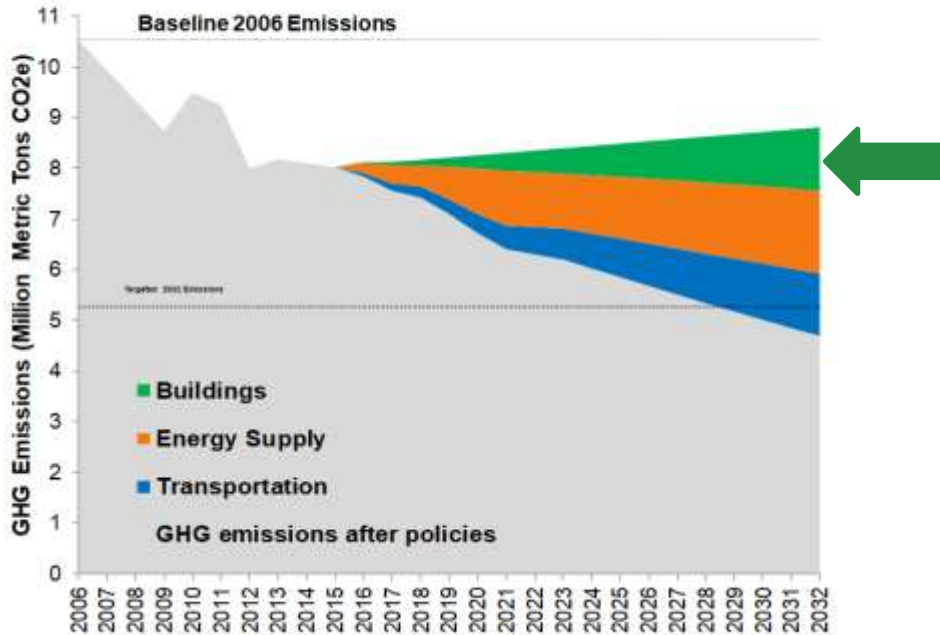


Example Timeline: >50K sf Private-Owned Building



BEPS Energy Reduction Goals

ESTIMATED GHG SAVINGS: 56%



21% reduction in source energy if all buildings meet the standard for their type and size subgroup.

- 18.7% from buildings over 50K sf
- 1.4% from 25K-50K sf buildings
- 1% from 10K-25K sf buildings

ANNUAL GHG EMISSIONS SAVINGS: 1.05 million tons of CO₂e!!

Building & Resource Hub

DOEE is designing a hub to support this transition by creating a platform for collaboration, innovation, capacity building, training, and technical assistance.

More than 2,700 buildings impacted by BEPS!

- **916 buildings over 50k sf**
- **561 buildings 25-50k sf**
- **1,269 buildings 10-25k sf**

- Training in high-performance building design and construction techniques
- Support for high efficiency projects
- Direct technical assistance
- Targeted research and resource development
- Market support and development
- Opportunities for knowledge exchange and collaboration
- Business development support for local clean energy entrepreneurs
- Recognition of market leaders and exemplary projects



DC Green Building Incentives Alignment



▶ SPECIAL TAX ASSESSMENT



▶ REBATES/INCENTIVES



▶ COMMUNITY SOLAR

▶ LMI BENEFITS



▶ CREDIT ENHANCEMENTS

▶ LOANS AND INVESTMENTS

<https://doee.dc.gov/service/beps>

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