



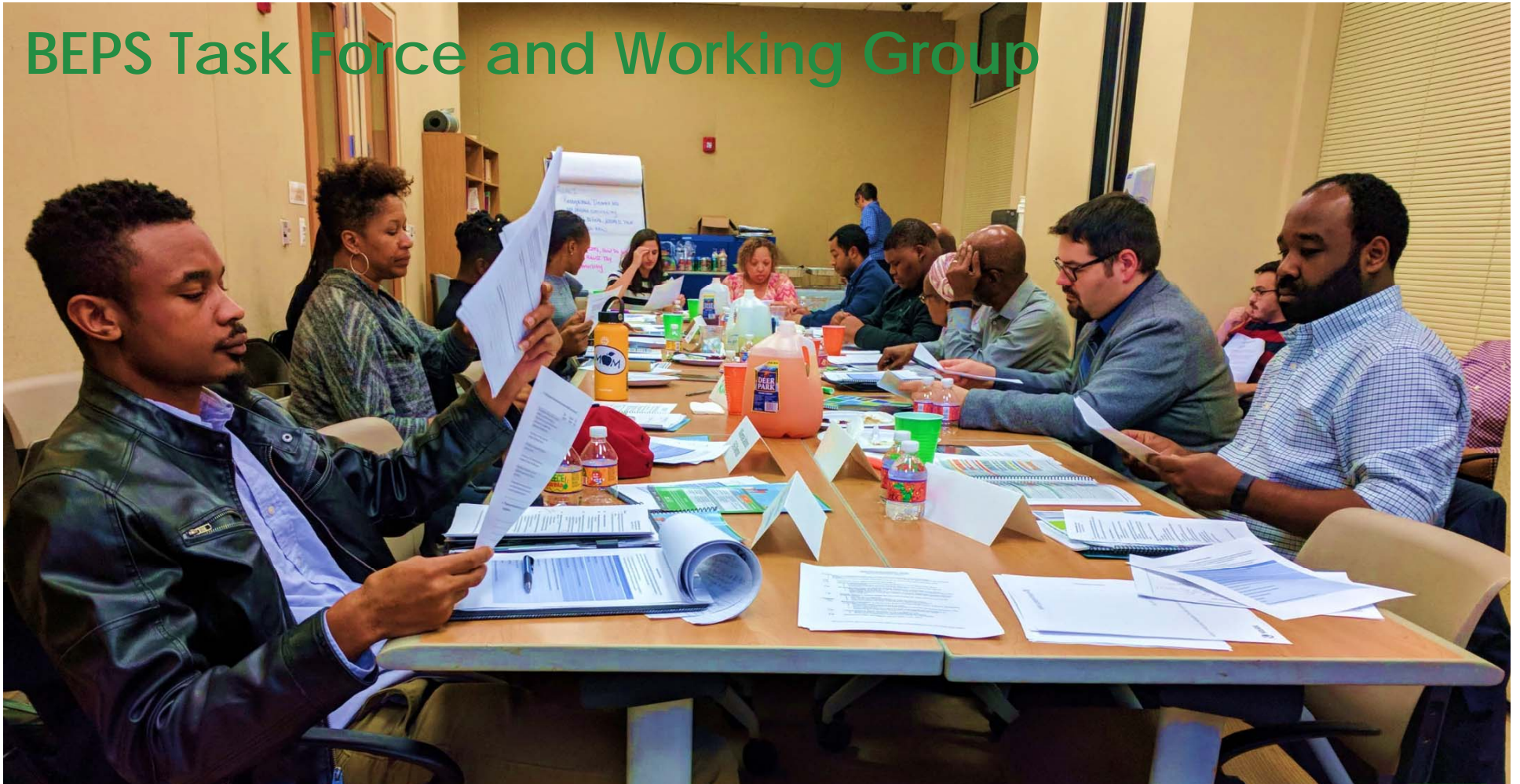
DISTRICT OF COLUMBIA BEPS

Kickoff Meeting

★ ★ ★ DEPARTMENT
OF ENERGY &
ENVIRONMENT

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

BEPS Task Force and Working Group



SUSTAINABLE DC VISION

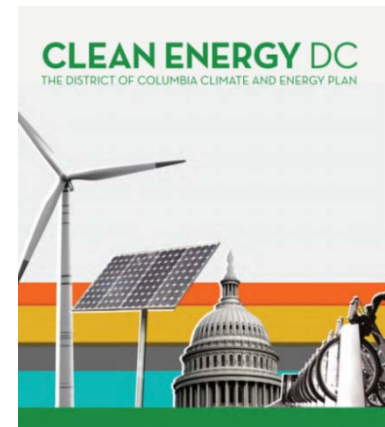
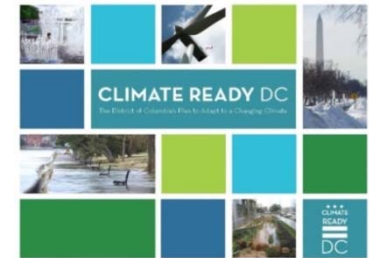
A group of about ten people are kayaking on a calm river. They are wearing life jackets and using paddles. The kayakers are in various colored kayaks, including yellow, red, and green. In the background, there is a concrete bridge and a dense line of trees with some autumn-colored foliage. The sky is clear and blue.

Make DC the healthiest, greenest, most livable city in the country for all District residents.

GOALS: 2032



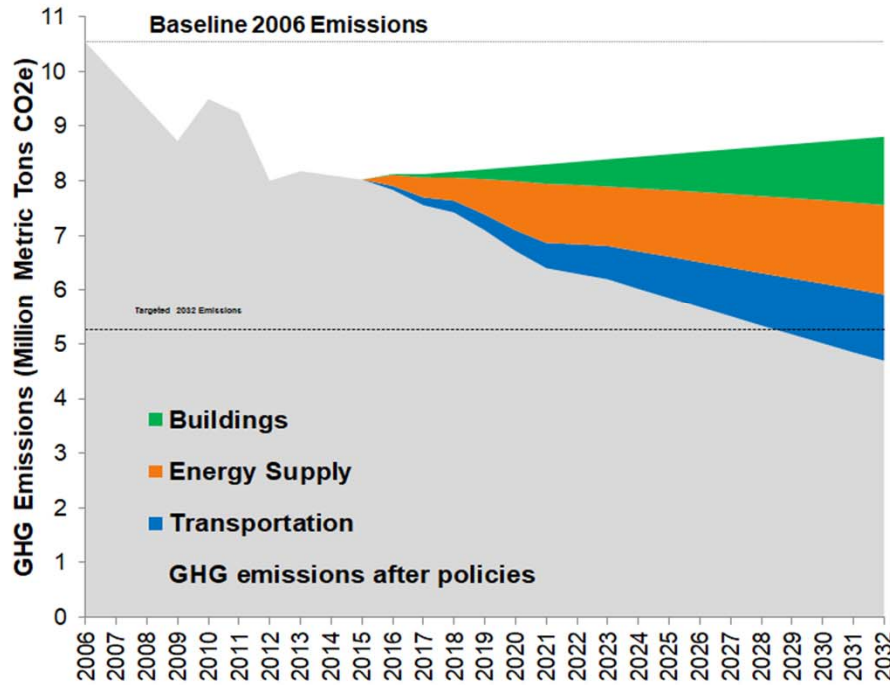
- ADAPT TO CLIMATE CHANGE
- CLIMATE READY BUILDINGS
- CUT ENERGY USE 50%
- 50% RENEWABLE ENERGY
- NET ZERO NEW BUILDINGS
- NET ZERO RETROFITS
- CUT GHG EMISSIONS 50%



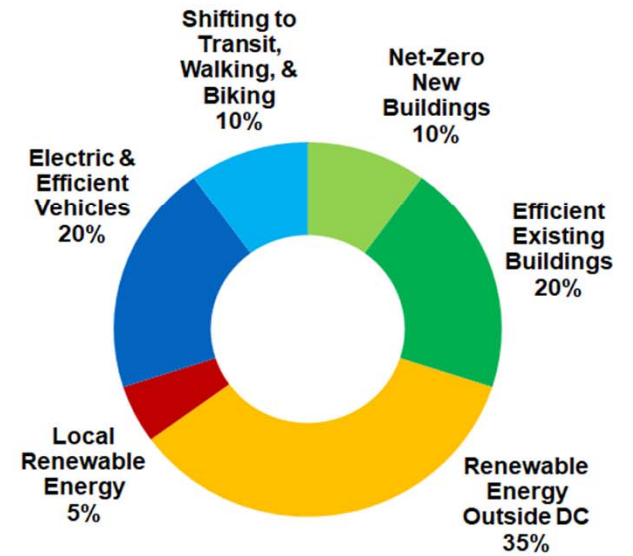
Mayor Bowser Commitment to ZERO Carbon by 2050



ESTIMATED GHG SAVINGS: 56%

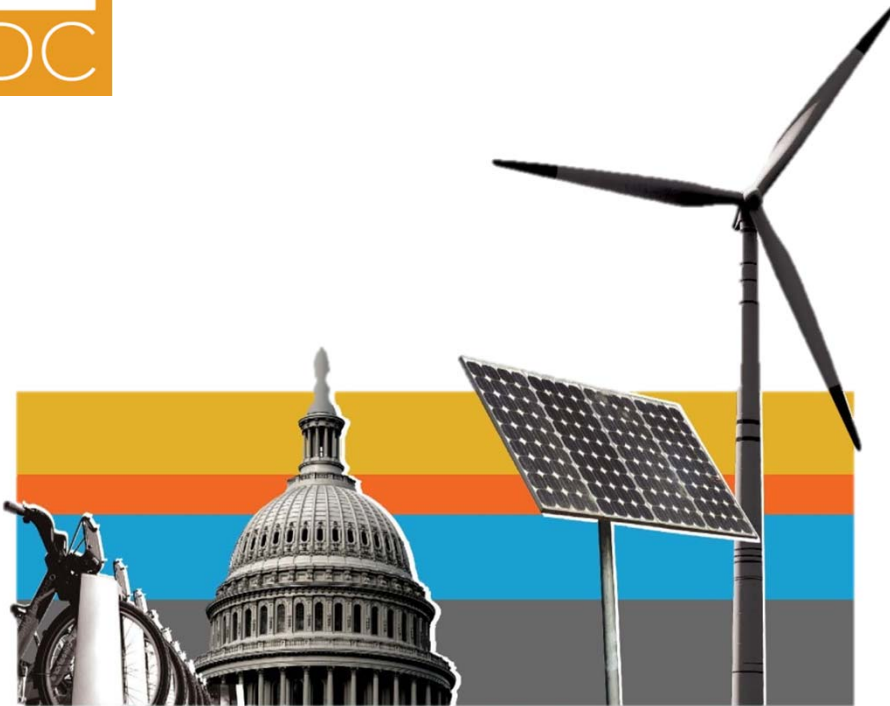


RELATIVE IMPACT OF ACTION AREAS





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

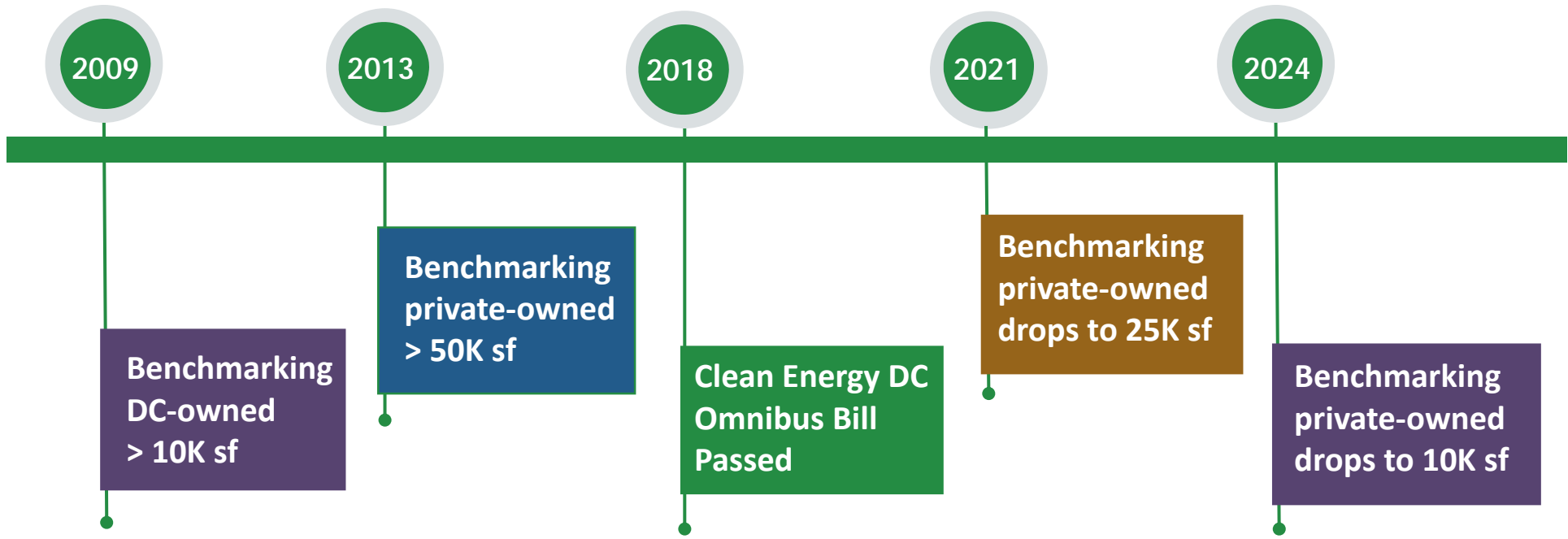
Require **100% renewable electricity** by 2032, and **10% from local solar** by 2041

@DOEE_DC #BEPDC



Benchmarking Changes

Third Party Verification
Now Required Every
Three Years

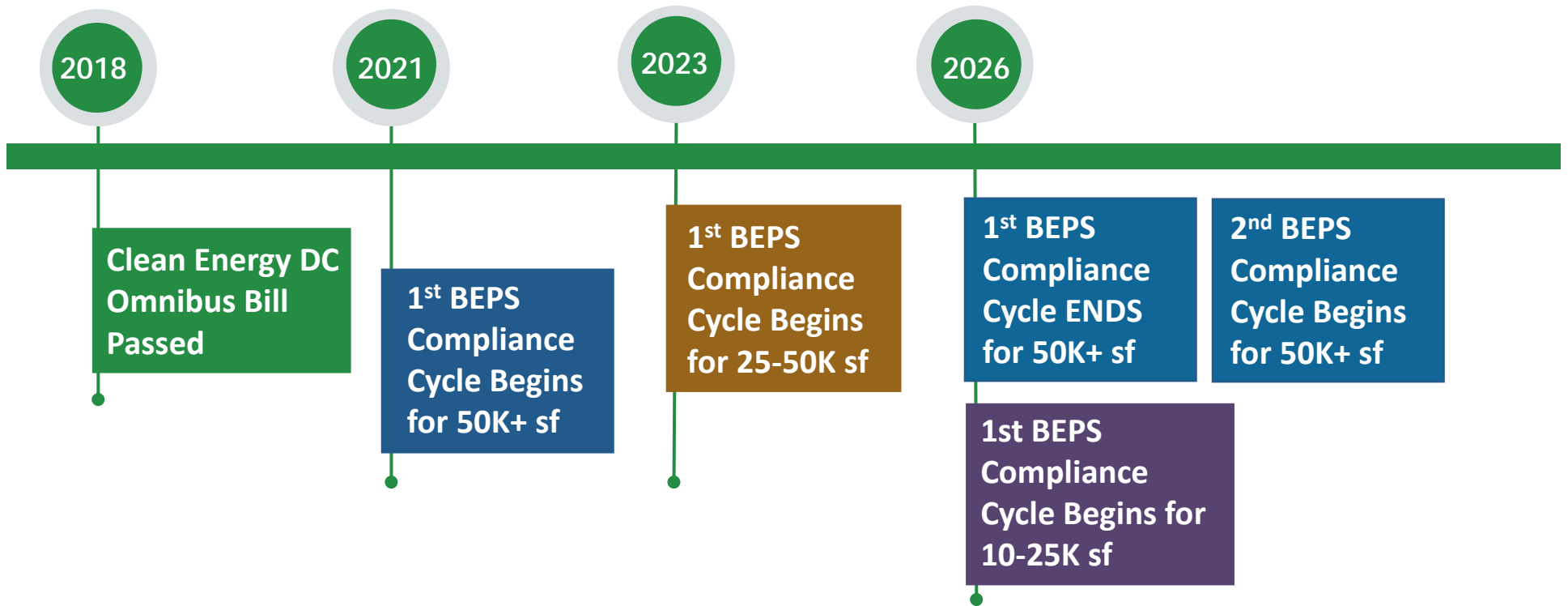


Building Energy Performance Standard

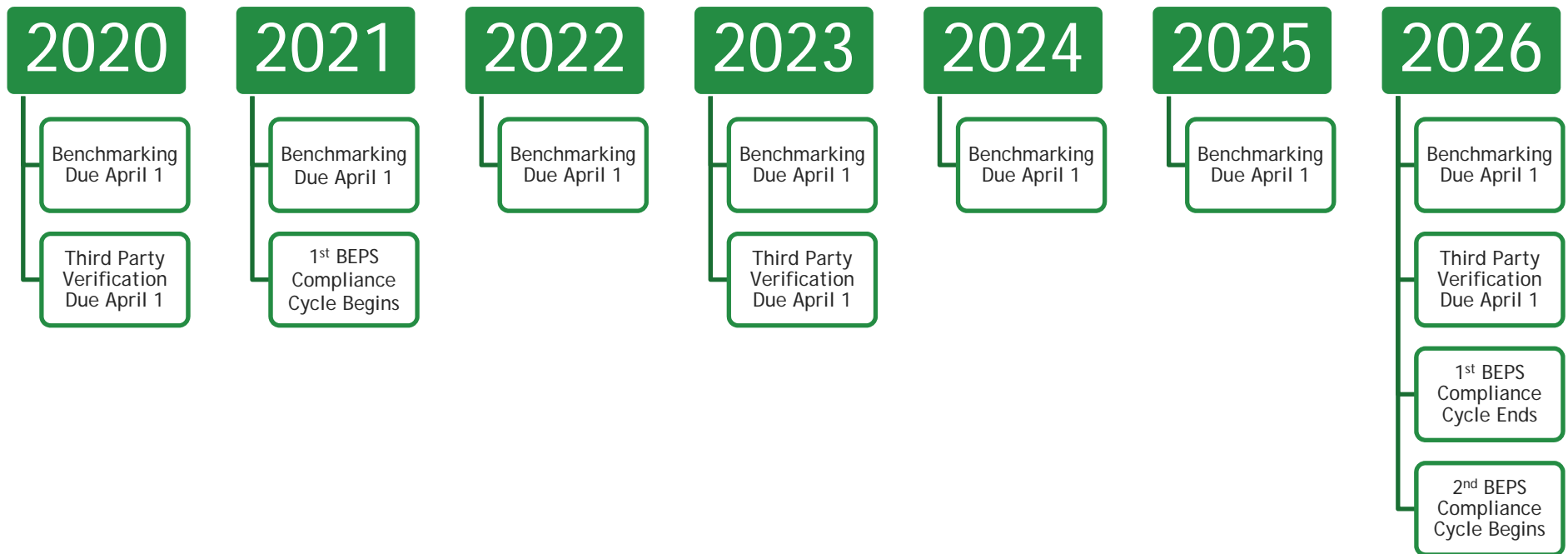
- ❑ DOEE must establish a minimum threshold for energy performance – will be “at least” the local median ENERGY STAR score by building type (or equivalent)
- ❑ 5-year compliance cycles - 1st cycle begins 2021
- ❑ Compliance paths for bldgs. below minimum:
 - ❑ Performance: Reduce energy usage 20%
 - ❑ 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



Example Timeline: >50K sf Private-Owned Building



DC Green Building Incentives Alignment



- ▶ SPECIAL TAX ASSESSMENT
- ▶ CASH-FLOW POSITIVE



- ▶ REBATES
- ▶ PAY FOR PERFORMANCE



- ▶ COMMUNITY SOLAR
- ▶ LMI BENEFITS



- ▶ CREDIT ENHANCEMENTS
- ▶ LOANS AND INVESTMENTS

High Performance Building Hub

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

More than 2,700 buildings impacted by BEPS!

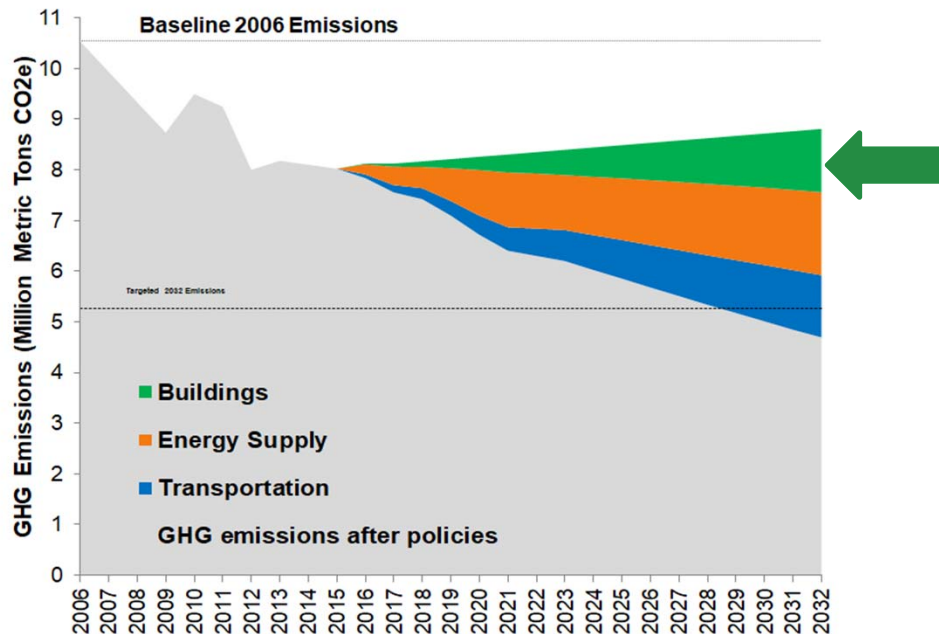
- 916 buildings over 50k sf
- 561 buildings 25-50k sf
- 1,269 buildings 10-25k sf

- 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



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!!

Brief Q&A

Please answer by going to www.Sli.do using the code BEPSDC and clicking on “Polls” in the top right to take this survey.

1. What topics would you like to see discussed during the BEPS working groups?
2. The working group will meet once a month throughout the summer. What is the best day of the week would work for meetings?
3. What is the best time of day for the working group meetings?
4. Have you used incentives/offerings from DCSEU and/or PACE for energy efficiency upgrades? If so, which ones?
5. Who is the lead for benchmarking at your organization (e.g. sustainability director, facilities manager, etc.)?
6. Do you work with a third party to support your benchmarking or other energy management activities? If so, who?
7. If you would be interested in having DOEE come on-site to provide a briefing on the Clean Energy DC Omnibus and BEPS for your team and/or other interested parties please provide your name and email address.

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

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@DOEE_DC #BEPSPDC 