Developing Resilient Affordable Housing In the District
D.C. has the highest ‘intensity’ of gentrification of any U.S. city, study says

More than 20,000 African American residents were displaced from low-income neighborhoods from 2000 to 2013, researchers say.
PLAN ORGANIZATION
18 HIGH-LEVEL STRATEGIES AND 77 SPECIFIC ACTIONS

TRANSPORTATION & UTILITIES

BUILDINGS & DEVELOPMENT

NEIGHBORHOODS & COMMUNITIES

GOVERNANCE & IMPLEMENTATION
Heat waves will grow longer, hotter, and more frequent as temperatures rise.

Installing more lighter-colored roofs can keep the city cool.

2080

2050

TODAY

Cool roofs absorb 70% less sunlight & reduce summer air temperatures by 4-5°F.

Days in an average heat wave
Heavy rain events that cause flooding and run-off pollution will happen more frequently and drop even more rain.

Green solutions like raingardens, green roofs, and trees can help manage water from heavier rains.

A heavy rain event by the 2080s

Today's heavy rainfall event

Rain gardens reduce pollution from stormwater runoff.

70-90% rain retained
Tides on the Potomac and Anacostia Rivers have risen 11 inches in the past century, and are projected to keep rising.

Restoring wetlands and natural shorelines along our rivers can help us adapt to rising tides and protect against flooding.

An acre of wetland can store 1-1.5 million gallons of floodwater.
Severe storms like hurricanes and derechos could be energized by warmer air and water.

Technologies like solar panels coupled with batteries and microgrids can keep buildings running when storms knock out power.
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 District’s roadmap for how we will reduce the city’s GHG emissions by **50% by 2032**, based on 2006 levels.

**NEW BUILDINGS**

Move towards a Net Zero Energy building code and shift away from the use of fossil fuels.

**EXISTING BUILDINGS**

Improve the performance of existing buildings by implementing a Building Energy Performance Standard.
<table>
<thead>
<tr>
<th>Square foot cohort</th>
<th>Current</th>
<th>2021</th>
<th>2023</th>
<th>2024</th>
<th>2026</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,000 square feet and greater</td>
<td>Required to Benchmark</td>
<td>Required to Benchmark, Take part in BEPS, Get third-party verification</td>
<td>Required to Benchmark, Take part in BEPS, Get third-party verification</td>
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<td>Required to Benchmark, Take part in BEPS, Get third-party verification</td>
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<tr>
<td>49,999 – 25,000 square feet</td>
<td>Nothing</td>
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</tbody>
</table>
DC GREEN BUILDING INCENTIVES

- SPECIAL TAX ASSESSMENT
- CASH-FLOW POSITIVE

- REBATES
- PAY FOR PERFORMANCE

- COMMUNITY SOLAR
- LMI BENEFITS

- CREDIT ENHANCEMENTS
- LOANS AND INVESTMENTS

@DOEE_DC
DESIGN FOR THE FUTURE.

QUESTIONS?

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