

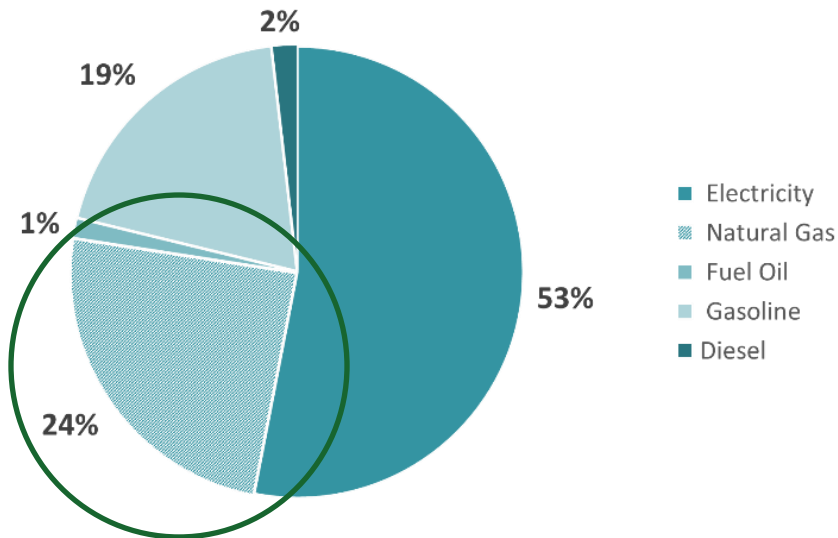
DOEE Electrification Challenge Presentation



GOVERNMENT OF THE
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

Root Problem

GHG Emissions from Energy Sector in DC



Natural gas use in buildings for heating, water heating and cooking is the second largest source of GHG emissions in the District, behind only electricity

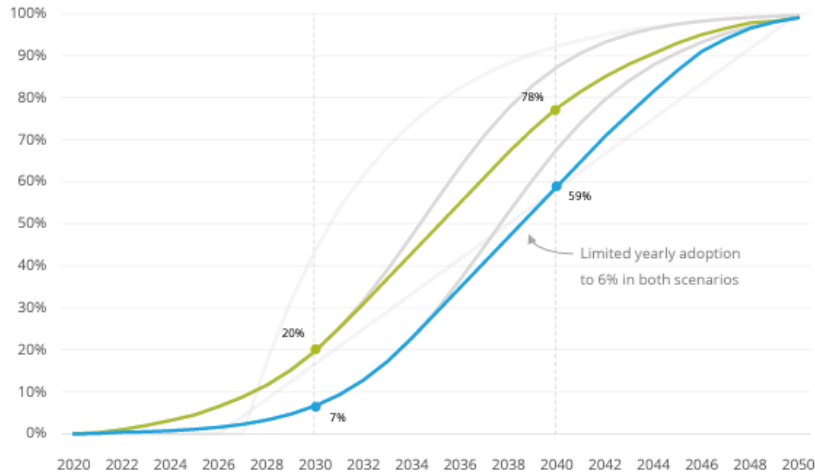
Notable Electrification & decarbonization commitments

- 2025: ban install of gas appliances in public buildings
- 2026: all-electric NZE codes
- 2032: 100% renewable energy portfolio standard
- 2040: govt ops carbon free
- 2045: carbon free city-wide



Key Obstacles and DOEE's Role

Electrification Adoption Rates



To meet our climate goals, DC needs to electrify all new buildings and approx. 13-32% of existing buildings by 2032; and electrify all buildings by 2045

- **Key obstacles:**

- Lack of policies and regulatory environment that favors status quo
- Lack of consumer and industry education and information
- Lack of technical and financial resources

- **Role of agency:**

- Developing all-electric building codes
- Articulating equitable electrification strategy
- Creating/aligning incentives and programs for electrification



Benefits

1. Tackle climate change
2. Ensure equitable transition
3. Improve public health



Final Statement

"Regarding building electrification, to achieve DC's Climate, Health and Equity goals, a critical obstacle to collectively overcome in the next 12 months is _____."

- 1) Develop a city-wide strategy for electrifying all buildings as part of Clean Energy DC 2.0 and to support federal funding; and,
- 2) Design and adopt net-zero energy codes

