



City of Takoma Park

**Public Works: Sustainability**

# **Climate Emergency Response**

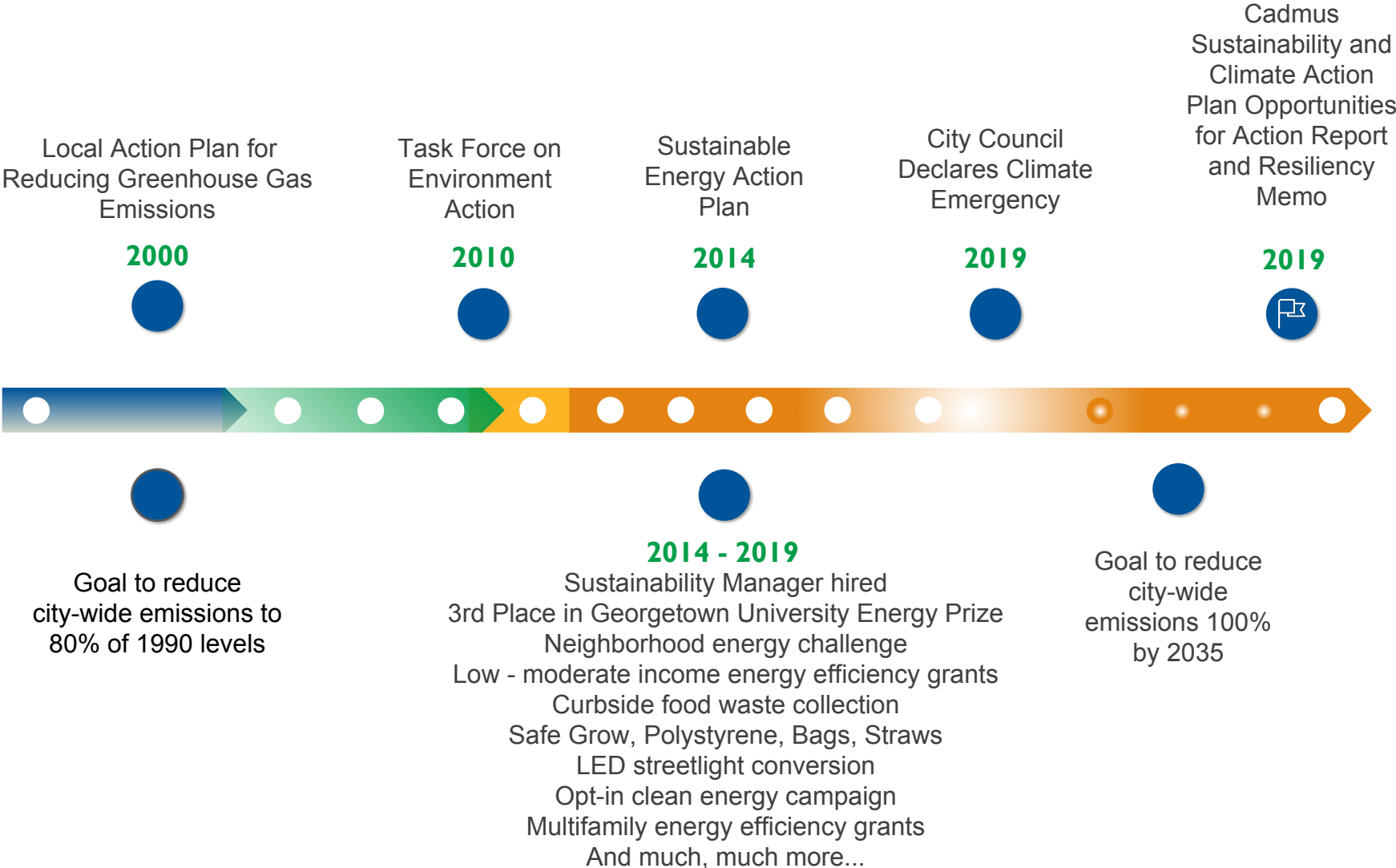
***From Nuclear Free to Fossil Fuel Free  
to Build a Healthy and Livable Community for All***

**Presented by: Gina Mathias**

**Sustainability Manager**

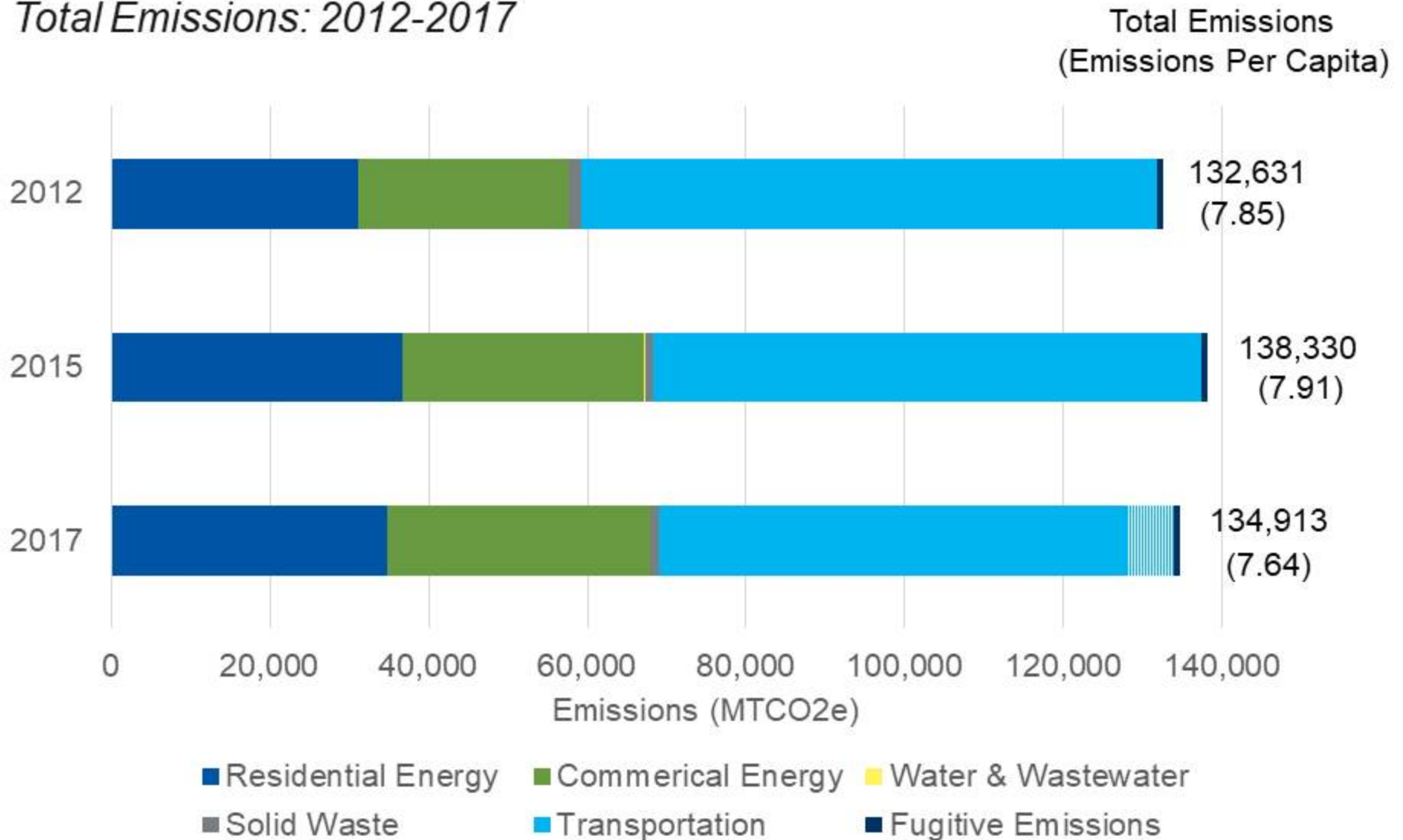
January 22, 2020

# What We've Accomplished



# Emissions Trends

Total Emissions: 2012-2017

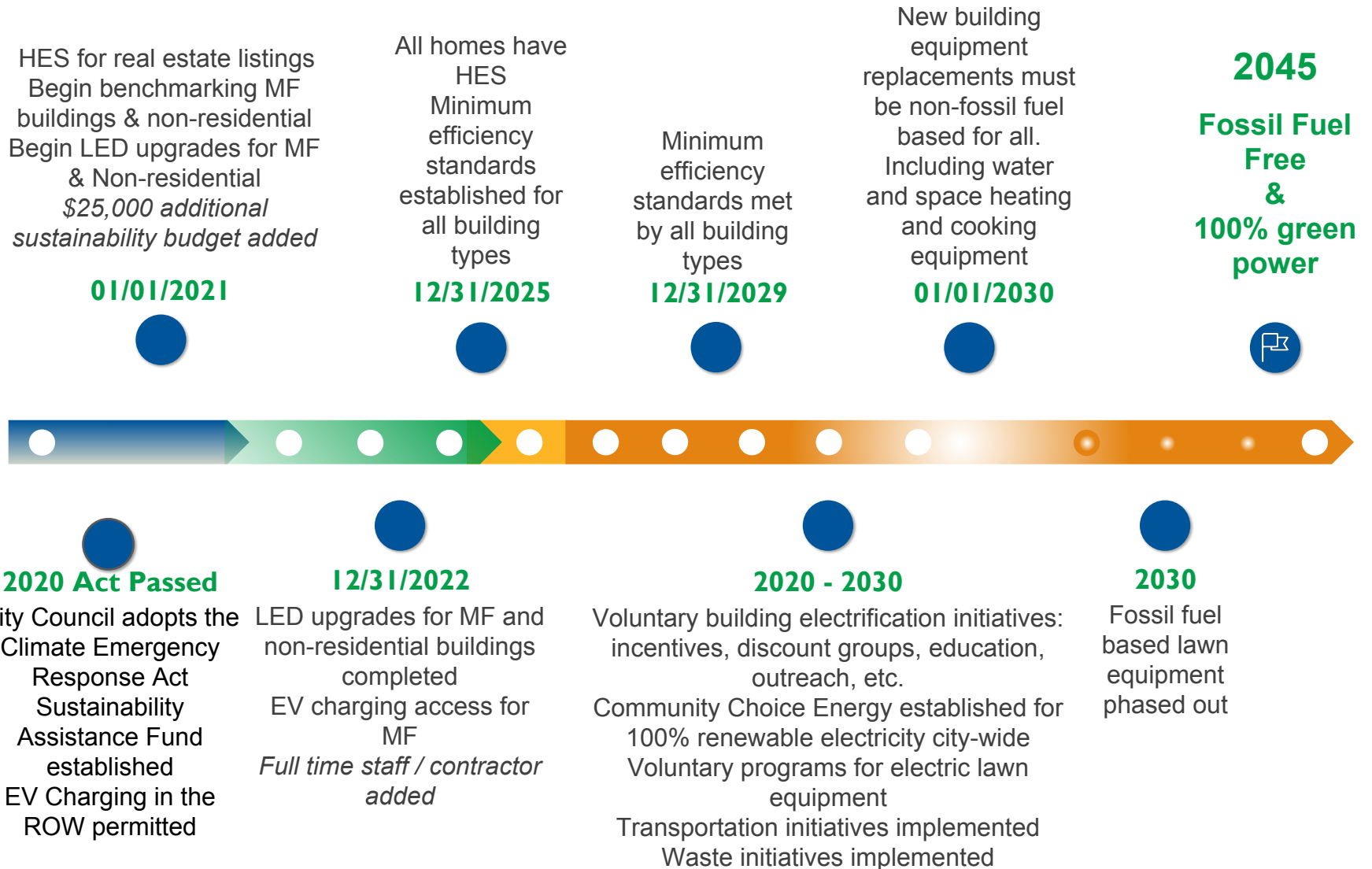


# Climate Emergency Declaration: 100% reduction of GHG by 2035

- Update of the Sustainable Energy Action Plan and GHG inventory;
- Identify the most aggressive local actions the City's authority and resources will allow;
- Identify what steps the City can take to move rapidly toward net zero greenhouse gas emissions by 2035
- Focus on dramatically improving efficiency of buildings (single family, multifamily, commercial and institutional); and
- focus on transition to renewable energy in electricity and heating/cooling.



# Proposed Climate Emergency Response Act Timeline



# Opportunities

## Montgomery County & Statewide

Larger scale sequestration projects

Solar farms and direct purchase of green power

County benchmarking best practices and framework, scaling down

New County incentives for efficiency and green building

County proposals for energy standards

Community Choice Energy

Carbon pricing

## Funding Opportunities

Maryland Energy Administration (MEA) Grants

Low income energy efficiency programs

Pepco rebate programs

Block Grants

Energy Savings Companies performance contracting

Green Bank

CPACE

Investors for sustainable infrastructure and project via CDP Matchmaking

Urban Sustainability Directors Network resources



# Opportunities for More Collaboration

## City Council Priorities

Strategies to address racial equity will be integral to development of implementation plans.

Housing affordability and livability can be co-benefits of good energy efficiency and decarbonization work

Transportation planning and outreach are essential to reaching climate goals

Natural Resources Preservation and the protection and planting of trees to help with climate mitigation

## Plans and Project

Bikeways plan

Bus shelter plan

Housing and economic development strategic plan

And many projects



# Budget Implications

## Estimates

FY21: \$25,000 increase for development of implementation plans and outreach

FY22: Add full time staff person

FY23: \$25,000 - \$75,000 increase for benchmarking and home energy score programs

## Notes

Most Home Energy Scores will cost \$150 - \$200; existing sustainability budget can help low income homeowners with this cost. Homeowners would have 4 - 5 years to do this.

Only lowest performing homes would be required to make improvements, about 400 - 500 homes. Existing low income programs can help defray expense. Homeowners would have another 4 years to do this.

Commercial energy standards would also only affect the lowest performing buildings.

Decarbonizing homes and buildings would be done over the course of the natural replacement cycle of major equipment, reducing or eliminating extra expense. By establishing the proposed deadlines owners can plan accordingly well in advance.





# What's Next

1

**January 29, 2020**

Work session to discuss Resolution

2

**February 5, 2020**

Public Hearing

3

**February 12, 2020**

Resolution considered for adoption

**ONGOING community outreach  
and education**



(Kate Flock/Bloomberg News)

