

# UPDATE ON EFFORTS TO MEET 2030 CLIMATE GOALS

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## Local Actions And Opportunities

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# Region's Climate Goals

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## Mitigation

- Reduce greenhouse gases (GHG) by 50% below 2005 levels by 2030

## Resiliency

- Become Climate Ready and make significant progress to be a Climate Resilient Region by 2030

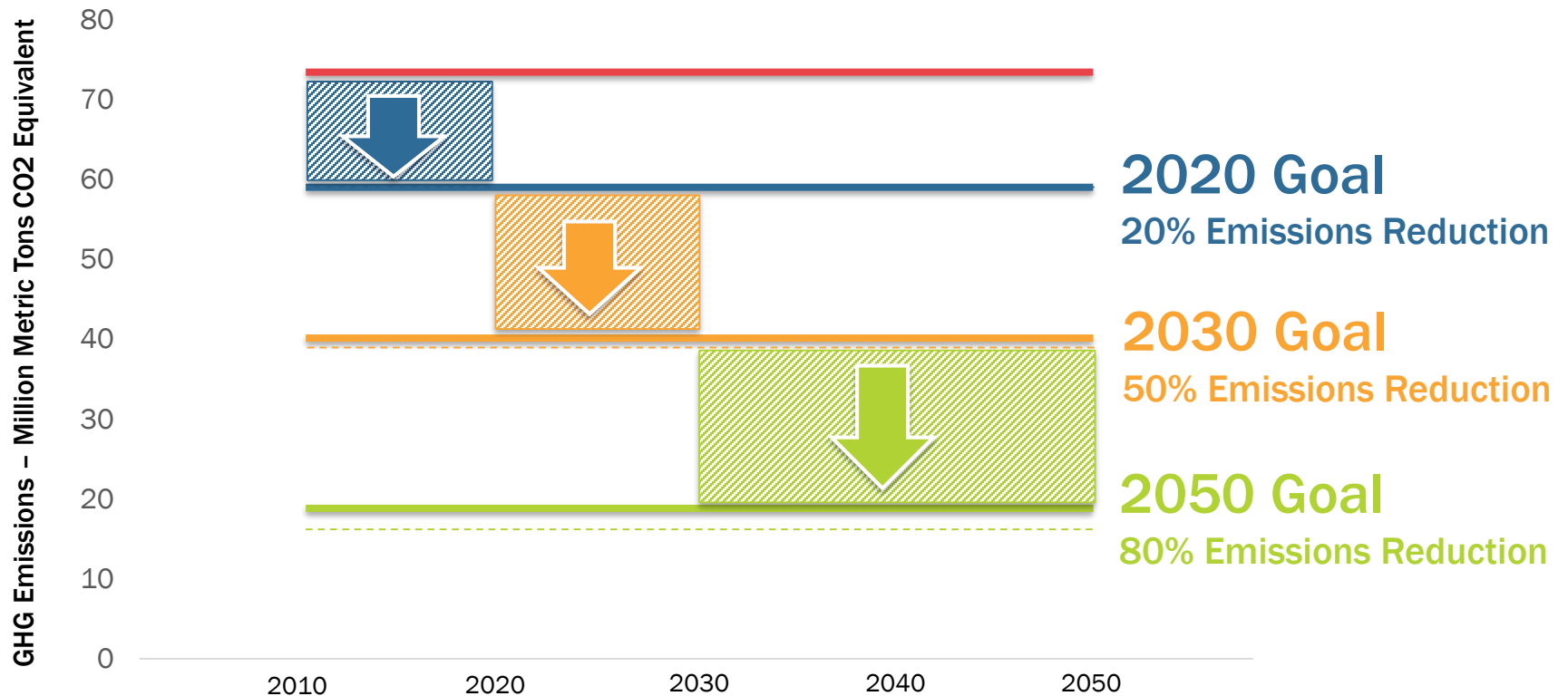
## Equity

- Incorporate equity principles in all actions to reach the climate mitigation and resiliency goals

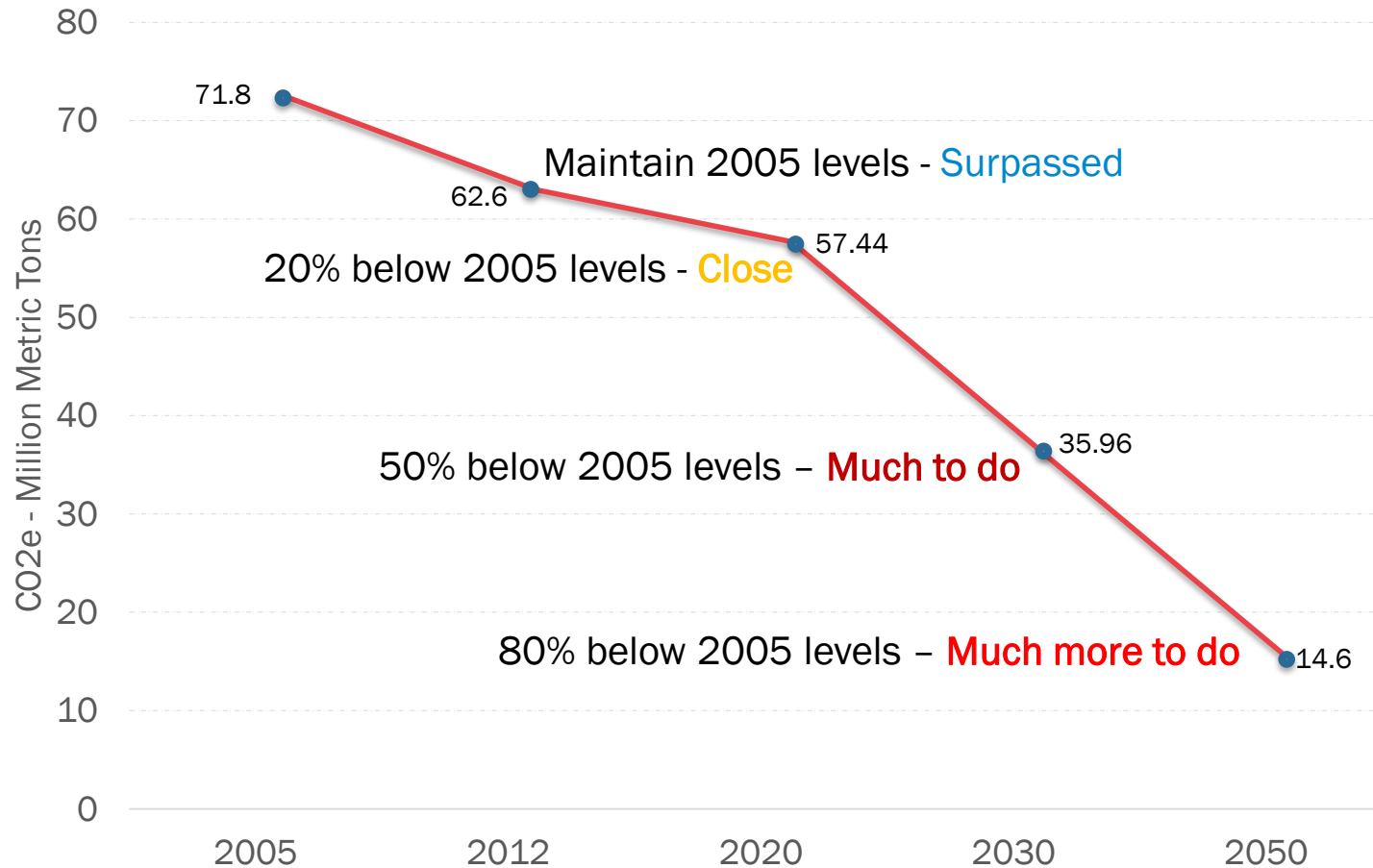


# GHG Reduction Goals

## Metropolitan Washington GHG Reduction Goals



# GHG Reduction Goals - Status



# Mitigation Actions (2030 CEAP)

## Clean Electricity

Renewable Portfolio Standards; On-Site Renewable; Microgrids for Critical Infrastructure; Large Scale off-Site Renewables; Community Choice Aggregation; Battery Storage

## Zero Energy Buildings

Building Benchmarking Requirements; Deep Building Retrofits; Policies to Facilitate More Net Zero Buildings; Proper Leak Detection and Disposal of Refrigerants

## Travel Behavior

Increase Transit, Carpooling, Telecommuting, Walking and Biking; Brings Jobs and Housing Closer Together; Improve Traffic Operations Efficiency

## Zero Emission Vehicles

Light-Duty Vehicle Deployment (Public and Private); Electrification of Medium and Heavy Duty; Regional EV Charging Network

## Zero Waste

Curbside Organics Recycling; Reduce Solid Waste Generation; Build Markets for Circularity

## Sequestration

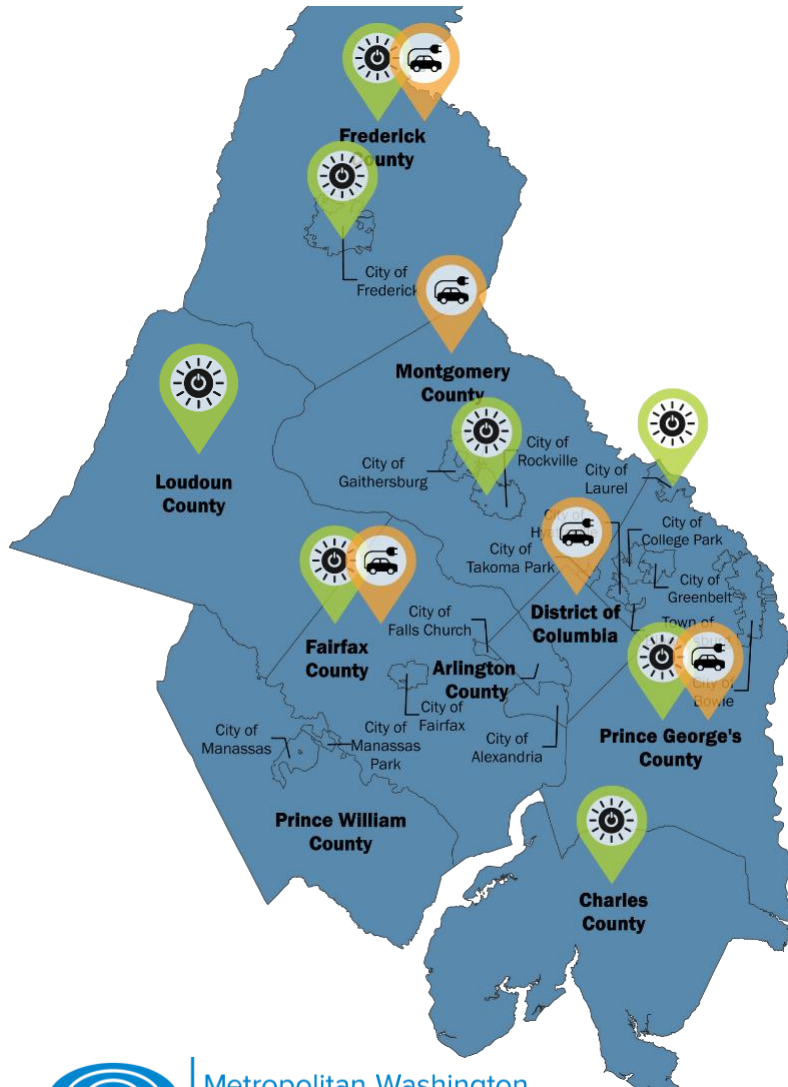
Manage Tree Canopy and Urban Forest Protection; Financing Mechanism for Preservation on Privately Owned Land; Tree Planting on Publicly Owned Lands



# Recent Climate Planning Activities

1. Committee and Staff collaboration (COG wide)
  - a) CEEPC 2030 Climate and Energy Plan
  - b) TPB Climate Change Mitigation Study
  - c) Military Installation Resilience Review Community Resilience Plans
2. COG technical support activities
  - a) Regional and Local GHG Inventories
  - b) Local Climate Action, Energy, Sustainability Plans
  - c) Local Electric Vehicle and Infrastructure Plans
  - d) Renewables: Joint Solar Procurement, Solar Cooperatives, Solar Mapping
  - e) Building Efficiency: Building Performance Standards; Local Government Building Code Adoption Process
  - f) Resilience - Coastal Storm Risk Study

# Supporting Local Climate/Energy Action



- COG helping governments, agencies develop climate and energy action plans.



- COG coordinating local/regional electric vehicle and zero emission fleet plans & policies.



# OPPORTUNITIES FOR REGIONAL COLLABORATION

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# Opportunity #1 – Electric Vehicles

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1. Support Acceleration of Electric Vehicle (EV) Deployment
  - a) Local Government Lead by Example - Convert Fleets
  - b) EV Infrastructure Planning
    - i. Identify Locations for Electric Vehicle Chargers
    - ii. Streamline Zoning and Permitting

# Opportunity #2 – Renewable Energy

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2. Commit to 100
  - a) Local Government Lead by Example – Procure 100% Renewable Electricity
  - b) Deploy Solar on Government Buildings
  - c) Incentivize and Support Residents and Businesses to Install Solar

# Opportunity #3 – Building Efficiency

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3. Enhance Building Energy Performance
  - a) Local Government Lead by Example – Track Energy Consumption for All Government Buildings, including Schools
  - b) Consider Building Energy Performance Standards
  - c) Support Adoption of Most Recent Building Codes

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