



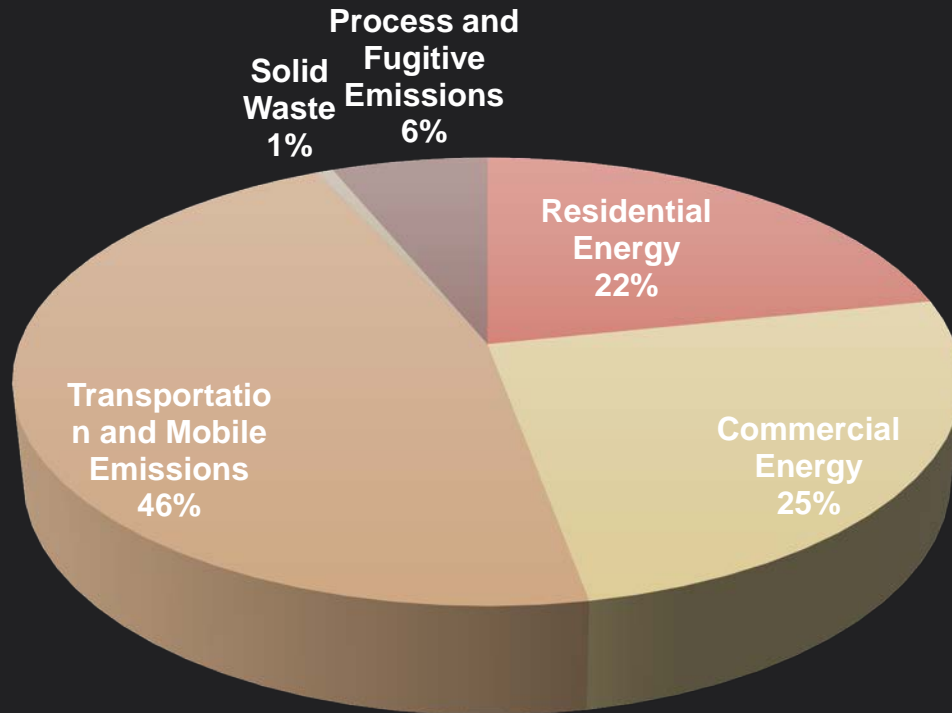
# City of Takoma Park Maryland

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Sustainability Manager

Update to City Council

March 23, 2022

# Takoma Park Emissions Profile



- 47% of emissions in Takoma Park come from buildings
- To reduce GHG emissions in Takoma Park, energy efficiency, electrification, and renewable energy needs to increase drastically
- 151,435 MTCO<sub>2</sub> annually
  - 32,274 MTCO<sub>2</sub> from fossil fuel use in buildings
  - 32,939 MTCO<sub>2</sub> from electricity use in buildings (expected to be 100% renewable via Community Choice Energy within 5 years)

2018 Emissions, 2021 inventory will be available by end of the year

# Main Climate Goals

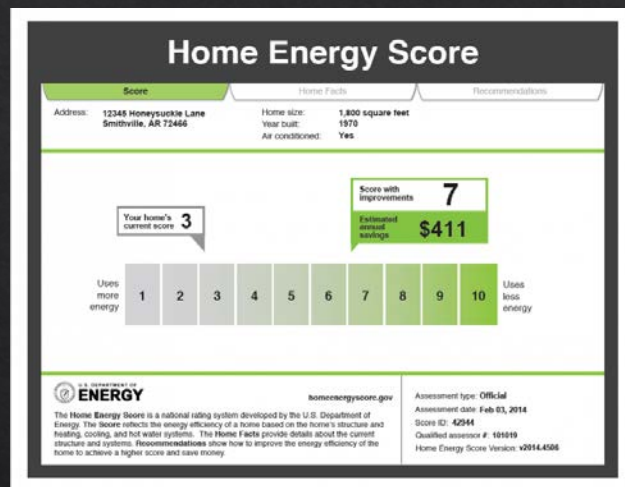
- City of Takoma Park: Net Zero by 2035
- Montgomery County: 100% reduction of ghg emissions by 2035
- Maryland State: 50% reduction by 2030 (2006 baseline)
- MWCOG regional goal: 50% reduction by 2030 and 80% by 2050 (2005 baseline)



# Climate Emergency Response Framework Update

- **Priority: Buildings**

- Building Energy Performance Standards (BEPS) introduced at Montgomery County level, vote has not yet occurred. It will cover buildings 25,000 sq. feet and above.
- ACEEE is providing technical analysis to Takoma Park on BEPS for buildings 10,000 – 25,000 sq. feet
- University of Maryland Environmental Analysis class evaluated Home Energy Labeling Policy for the City.
- Voluntary benchmarking will be offered to all Takoma Park businesses and multifamily buildings eligible for EnergyStar Portfolio Manager





# Climate Emergency Response Framework Update

- **Priority: Transportation**

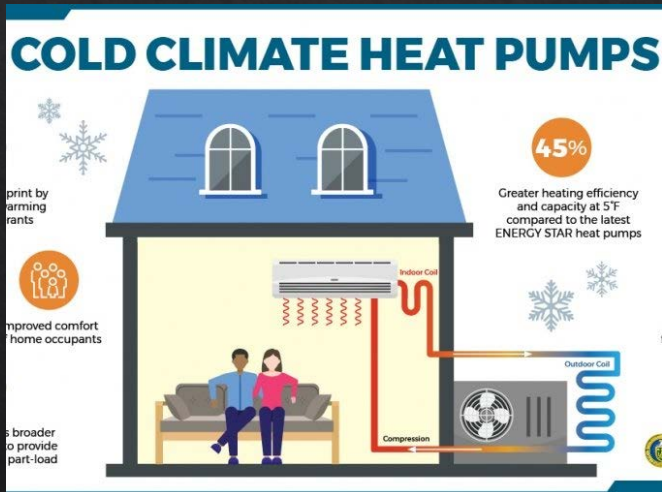
- City Right of Way permit amended to allow curbside charging equipment
- Bus shelter improvements
- Fleet Transition Plan – all electric city fleet by 2035
  - Draft will be presented to Senior Leadership Team for review
  - Reviews available EV equivalents to current fleet
  - Plan recommends no new fossil fuel powered vehicles purchased after 2028
  - Some vehicles replacements could be postponed in anticipation of new EV models becoming available
  - Charging infrastructure grants for the City fleet will be available, vehicle grants unlikely



# Climate Emergency Response Framework Update

- **Priority: Renewable Energy and Toward a Fossil Fuel-Free Community**

- Research on legal options and incentives for electrification
- Comprehensive “Electrification Roadmap” being developed
- Development of comprehensive electrification education & outreach campaign
- Montgomery County pursuing Community Choice Energy for 100% renewable electricity; existing state renewable portfolio standard will be 50% by 2030
- Montgomery County pursuing gas powered lawn care equipment ban
- Capital Area Solar Co-op launches April 1, included EV charging



# Electrification Grants

- The City received 88 applications
- Awarded 44 grants
- The total amount of the application requests was \$677,808 Total budget for the EEE grant program is \$285,000
  - 10 multifamily grants (\$70,000)
  - 8 business grants (\$120,000)
  - 26 single family home grants (\$95,000)
- Projects that replaced a fossil fuel powered space or water heating systems with an electric system were prioritized.
- Other projects included insulation and air sealing, solar panels, windows, replacing a gas dryer or gas stove with an electric one.





# What's Next?

- Continue to keep Council updated on BEPS, gas powered lawn care equipment ban, and key developments
- Fleet transition plan will be reviewed and presented to council
- Voluntary benchmarking program evaluation
- Electrification outreach and education campaign
- Future consideration of the Fossil Fuel Non-proliferation Treaty



# Contact Information

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