

EV Charging in Milwaukie

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2030

Net zero electricity

By becoming more energy efficient and using renewable electricity sources, Milwaukie's net emissions from electricity are zero.

2035

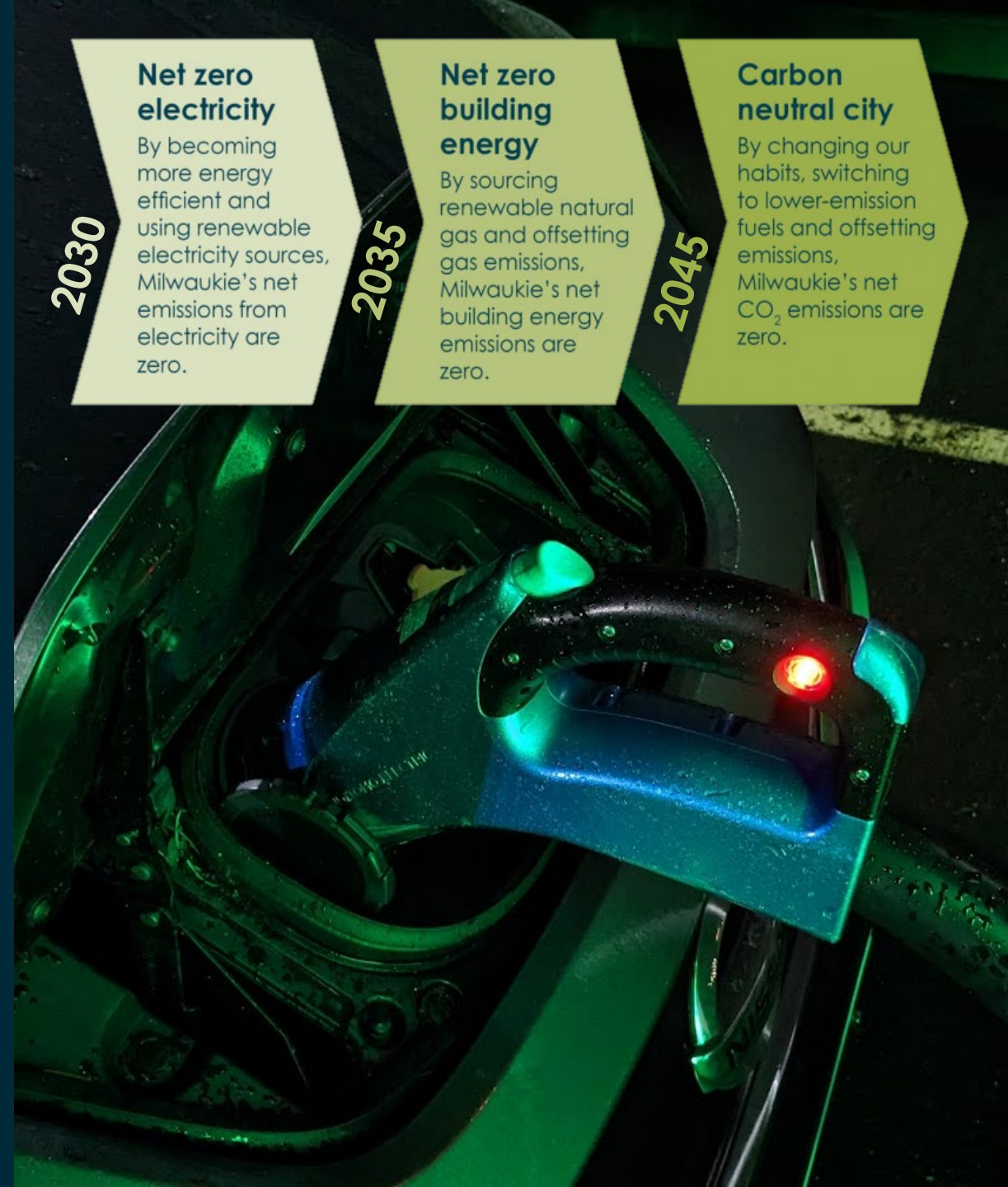
Net zero building energy

By sourcing renewable natural gas and offsetting gas emissions, Milwaukie's net building energy emissions are zero.

2045

Carbon neutral city

By changing our habits, switching to lower-emission fuels and offsetting emissions, Milwaukie's net CO₂ emissions are zero.



Milwaukie's largest emission source: **Transportation**

Figure 1: Local Emissions. Proportion of emissions attributable to a given source (including non-fossil greenhouse gasses such as refrigerants) is given on the left and proportion fossil fuel sources is given on the right.

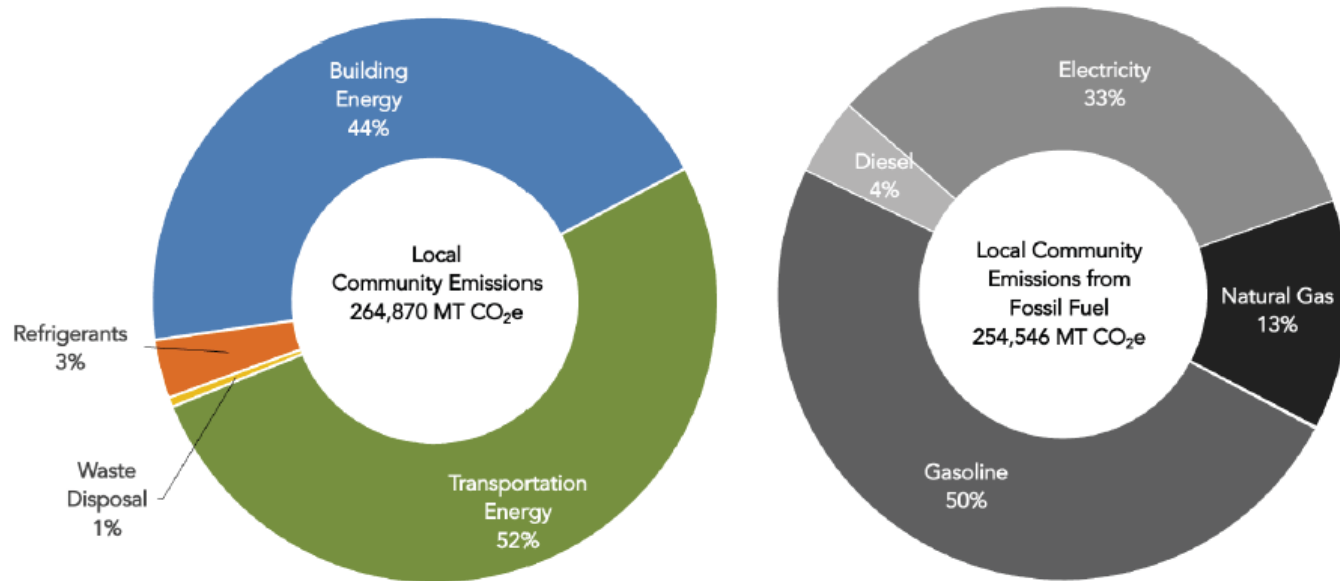
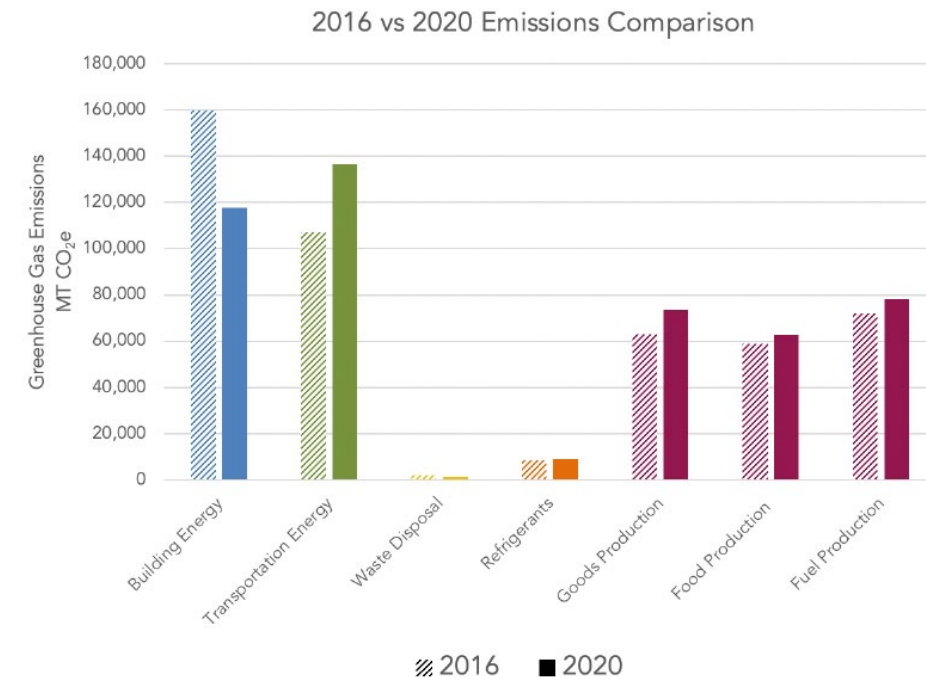
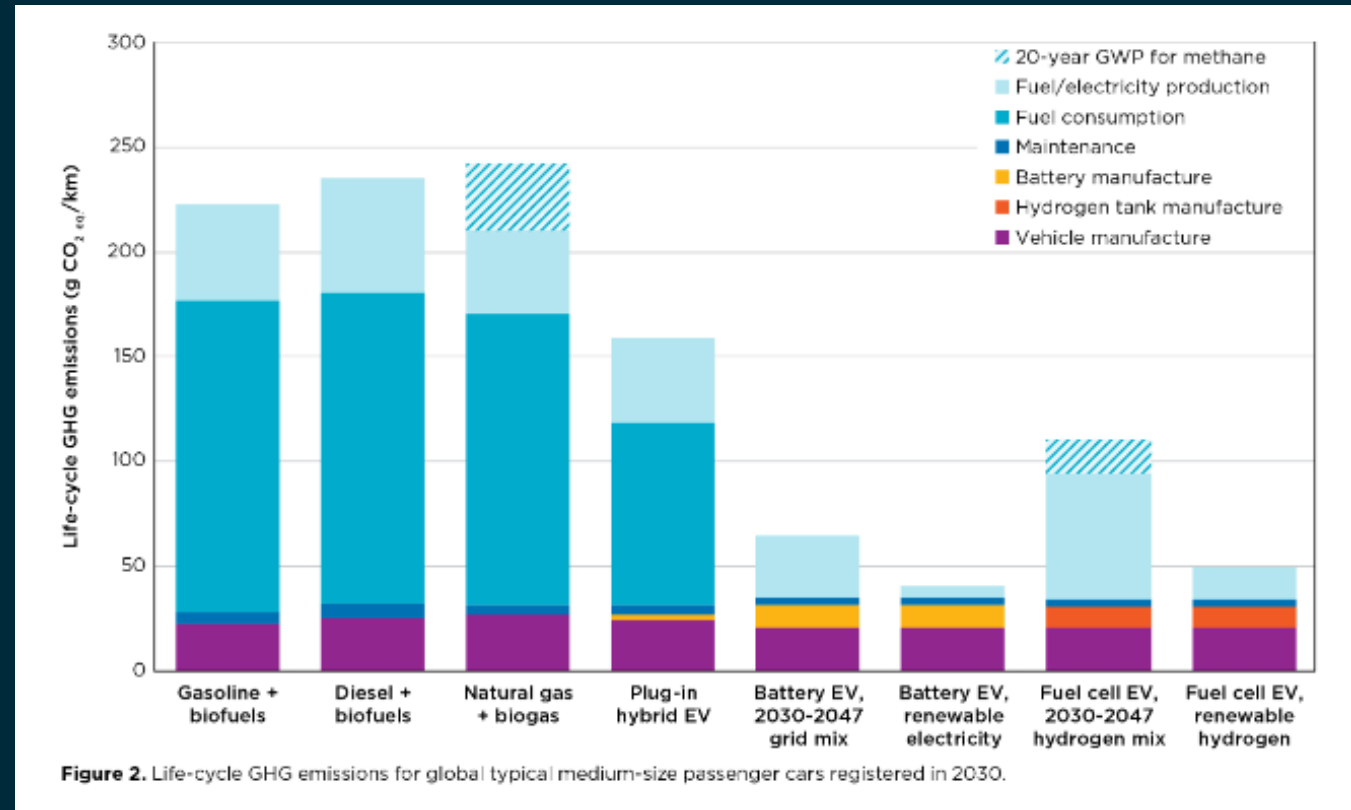
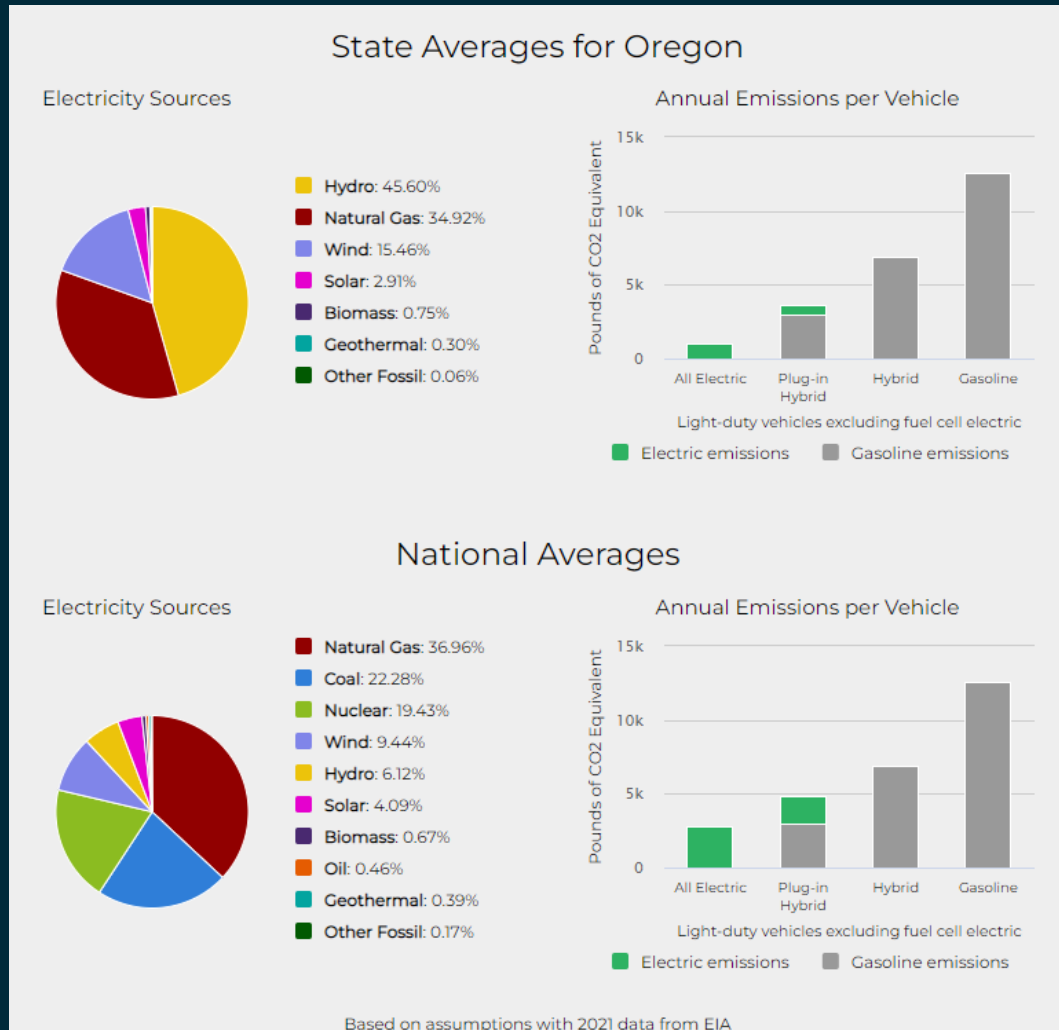


Figure 3: 2016 vs 2020 Emissions Detail



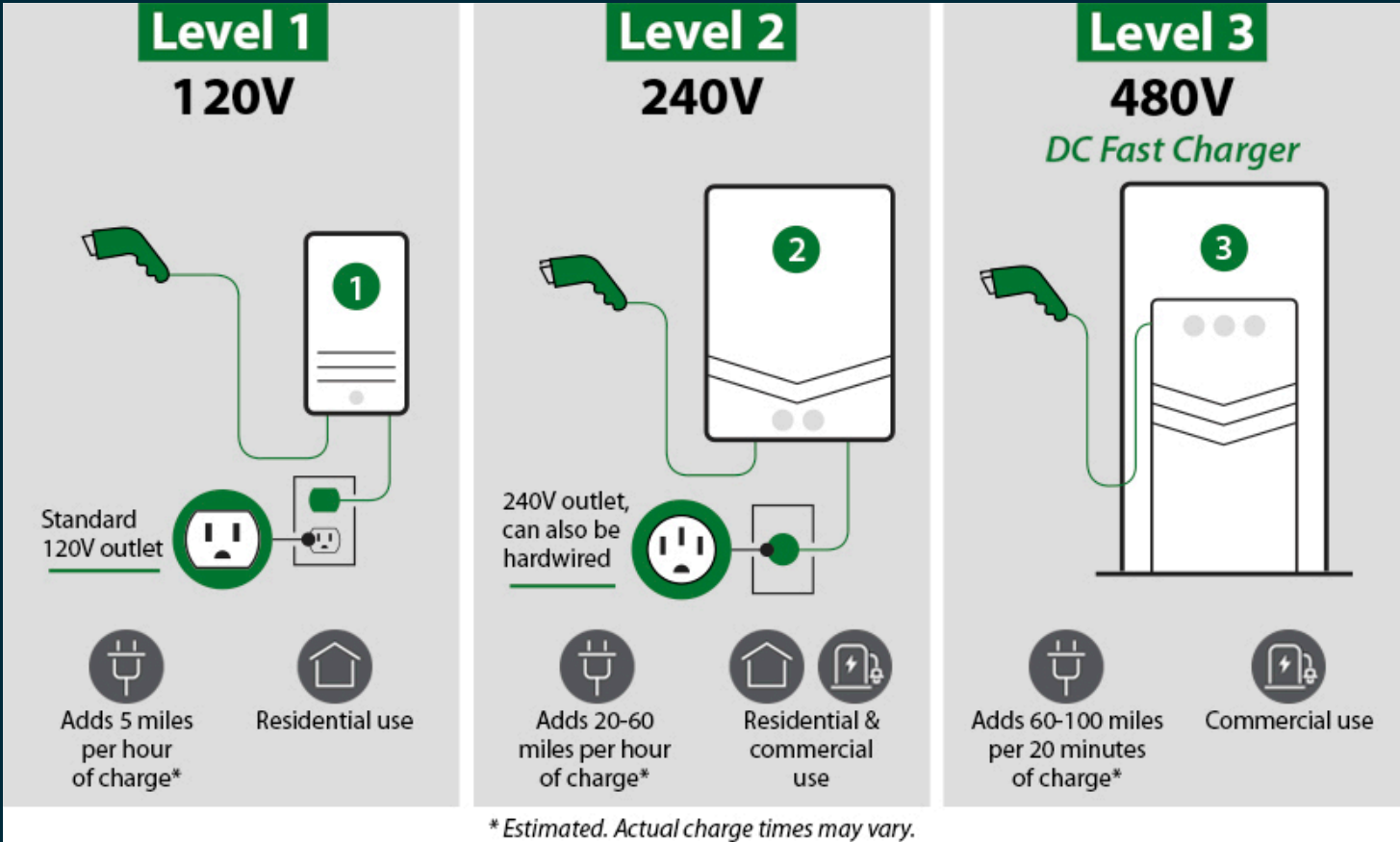
Why Electric Vehicles (EVs)?



Source (left) : [U.S. DOE Alternative Fuels Data Center](https://www.energy.gov/eere/alternative-fuels)

Source (right) : [International Council on Clean Transportation](https://www.ictcouncil.org/)

Regional need for accessible EV charging

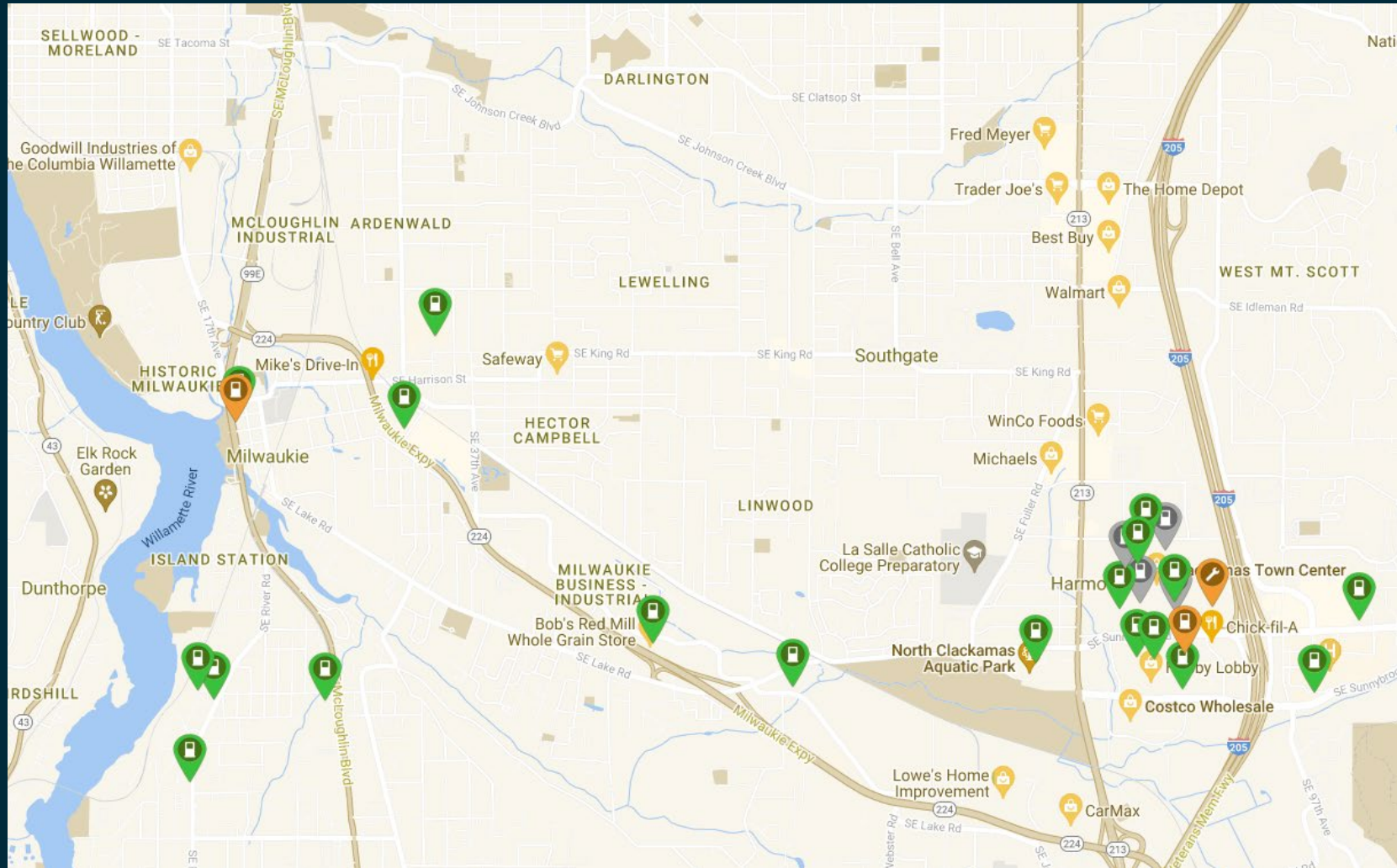


City operational need for EV charging

- EV's used at each city campus
- 7 Plug-in Hybrid Electric Vehicles (PHEV)
- 8 Electric Vehicles
 - 5 Nissan Leafs
 - 1 Ford F150 Lightning (+1 ordered)
 - 1 Tesla
 - 1 Ford Mustang Mach-e
- As the city fleet electrifies, chargers needed at all city buildings



Existing Public EV chargers around Milwaukie



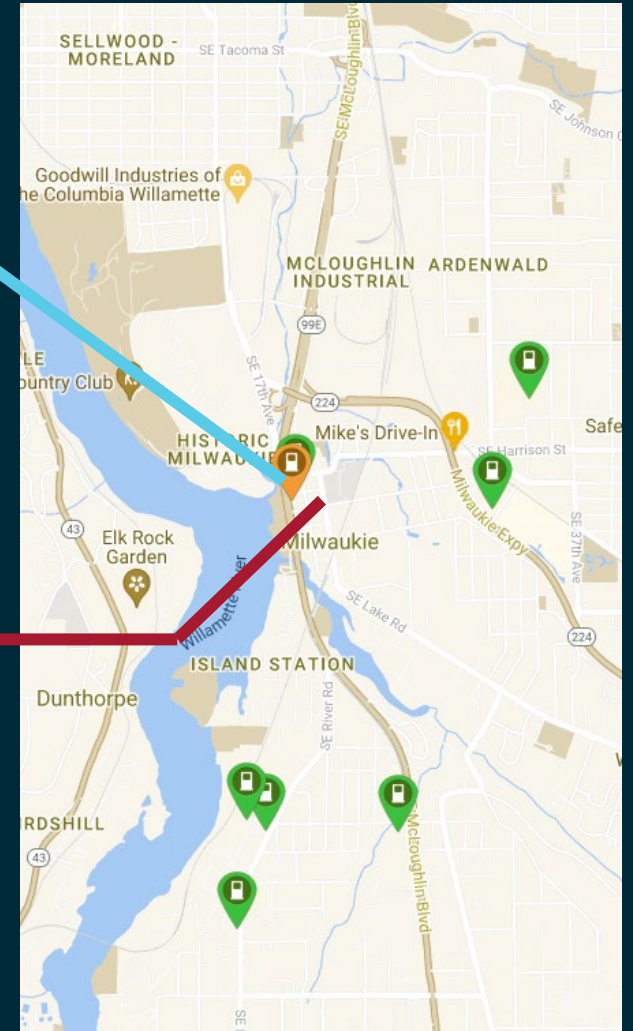
PGE EV chargers around Milwaukie



Electric Avenue

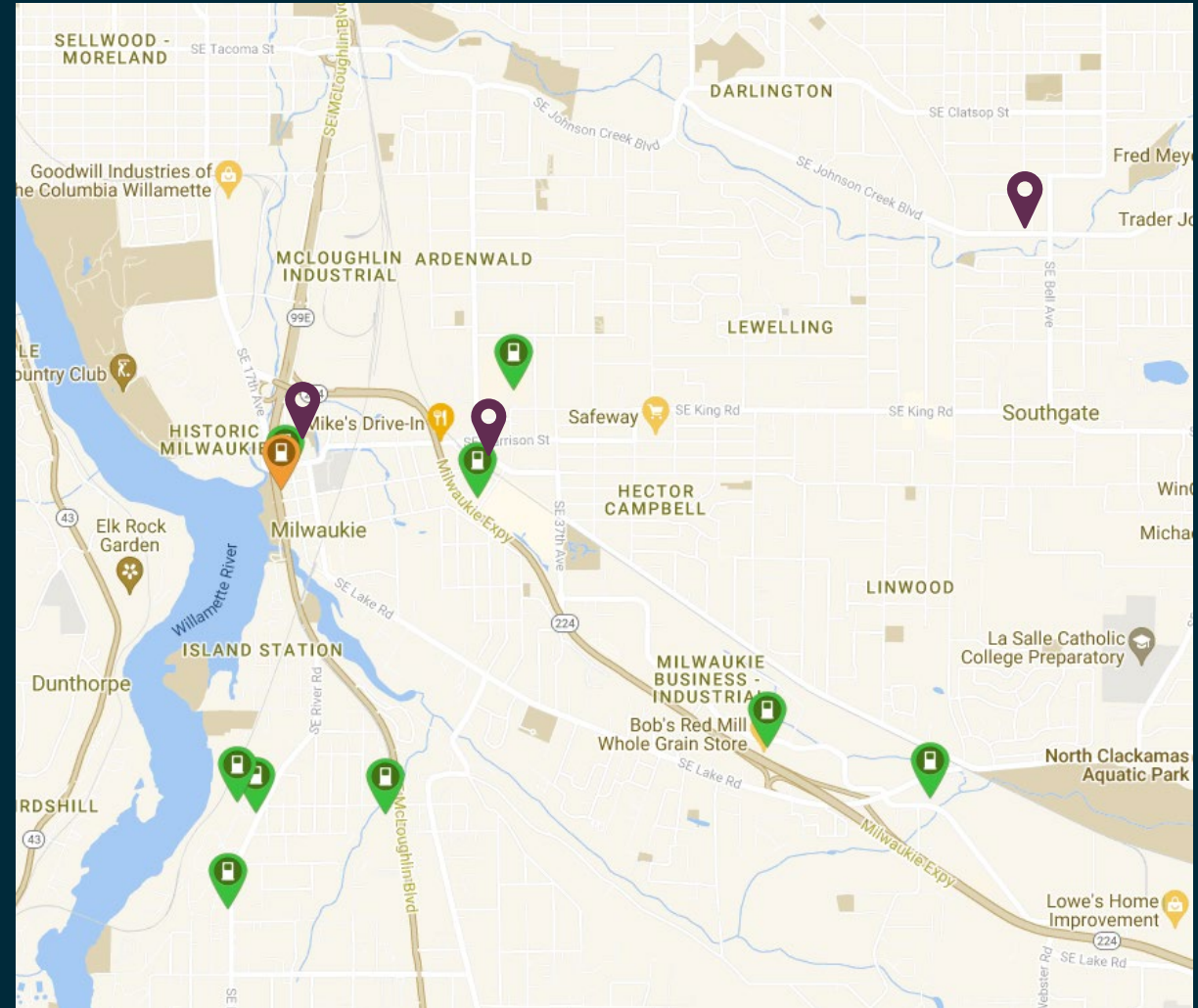
On-Pole Charging
Phase 1 – SE 28th
Phase 2 – TBD

**Low-income
Multifamily Housing**



New Public Chargers at City Facilities

- Three new LV2 chargers:
 - Ledding library
 - Public Safety
 - Johnson Creek Campus
- Funded by Dave's Killer Bread for environmental mitigation
- Chargers for city and public use
- Sited on city-owned property for city-managed installation and operation of chargers



Thank you!

Questions?

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www.MilwaukieClimateAction.com



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