

# Why do bike advocates care about land use and density?

Harald Kliems  
Madison Bikes





# Madison Bikes: Who we are

- **Madison Bikes envisions a city where anyone can ride a bicycle conveniently and comfortably to any place in the city and neighboring communities year round.**
- What do we do
  - Inform
  - Celebrate
  - Research
  - Advocate
- What motivates us: Biking is (or should be)
  - Fun
  - Equitable
  - Healthy
  - Safe
  - Sustainable
  - Fiscally smart for your and the city's budget



# Which outcomes matter?

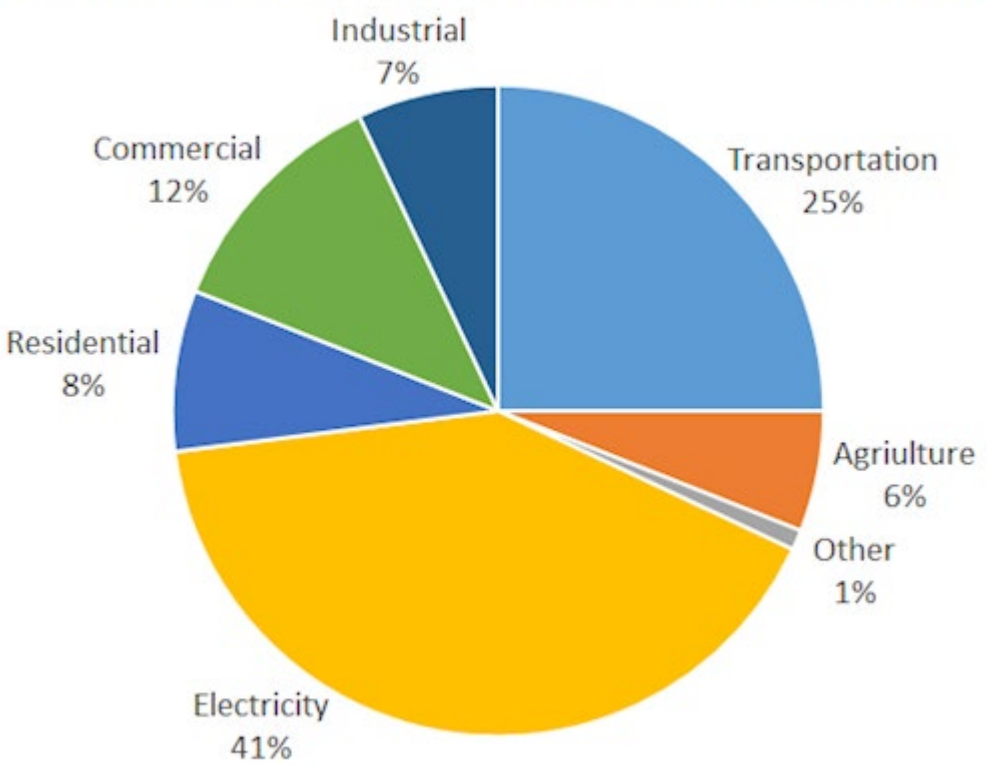
- More butts on bikes!
- Increase mode share for all trips, for people of all ages and abilities
- Reduce CO<sub>2</sub> emissions and air pollution
- Safe and convenient infrastructure enables this





# Transportation is a major source of climate emissions and there has been little progress

Countywide Emissions - 2022 - 9.4MMTCO2e



Emissions Source (MTCO2e)	2017	2022	% Change
Electricity	4,078,053	3,849,089	-6%
Nat'l Gas & Other Building Fuels	2,232,002	2,477,313	11%
Transportation	2,502,883	2,385,415	-5%
Agriculture	656,236	595,096	-9%
Other	272,484	119,424	-56%
Total	9,741,658	9,426,338	-3%

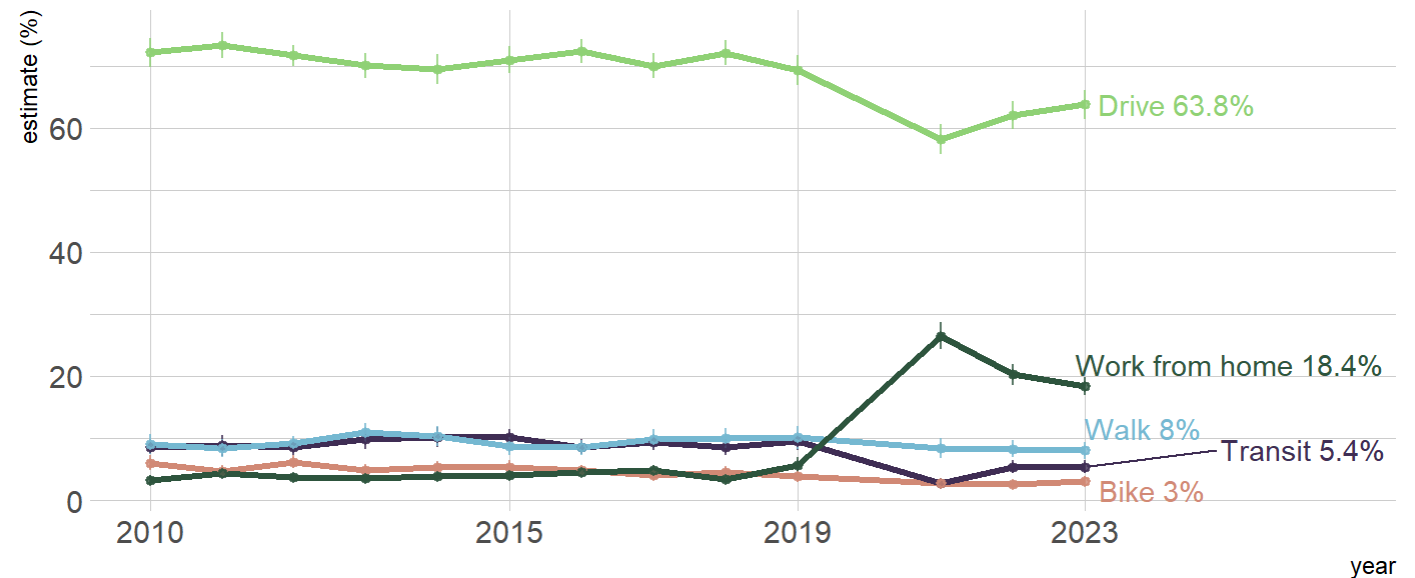
Source: Dane County Office of Energy and Climate Change: Countywide Emissions in Dane County

# Have we been successful?

- Bike network has grown substantially; facilities have been upgraded
- Growing, electrified bike share system
- Supportive city leadership
- Safety statistics largely positive
- But...

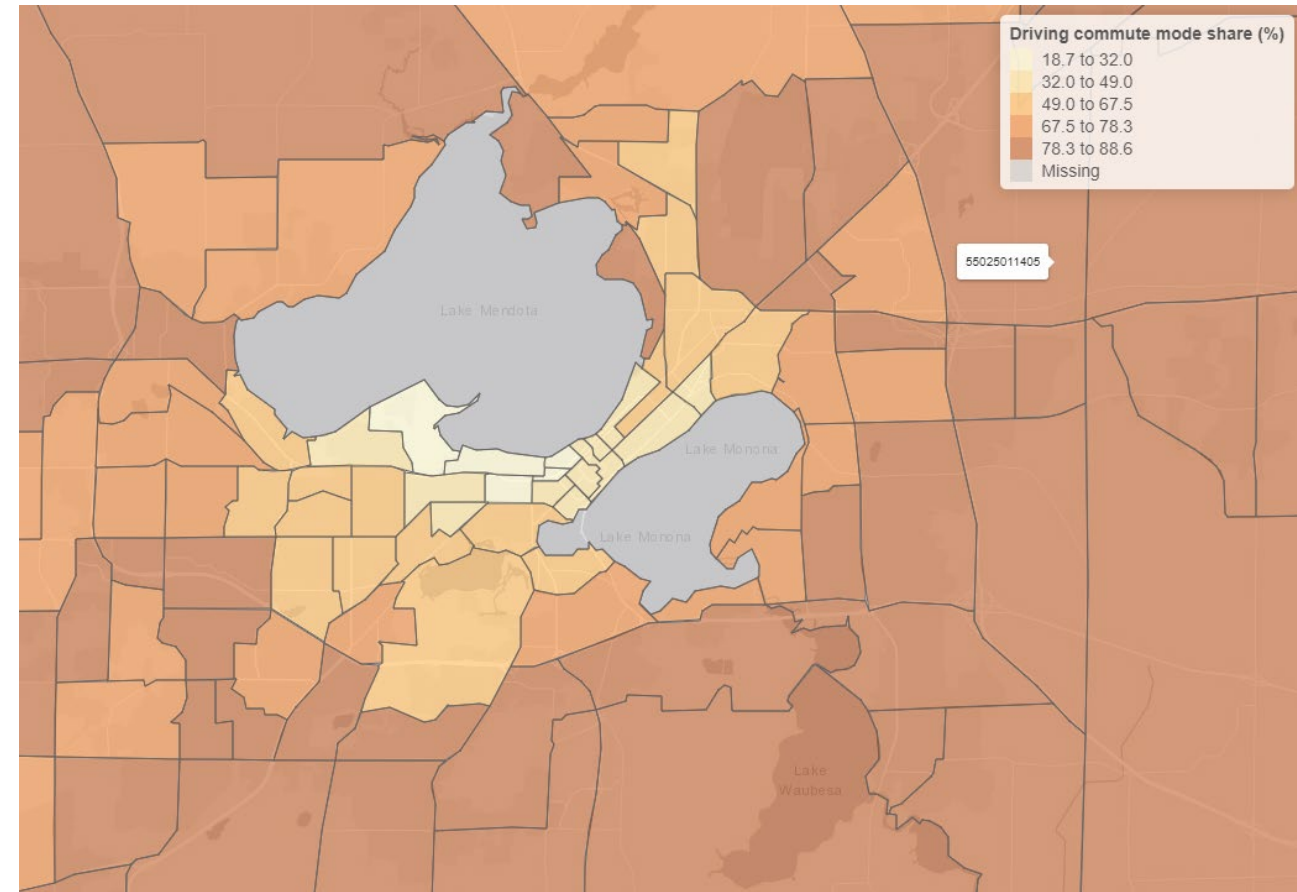
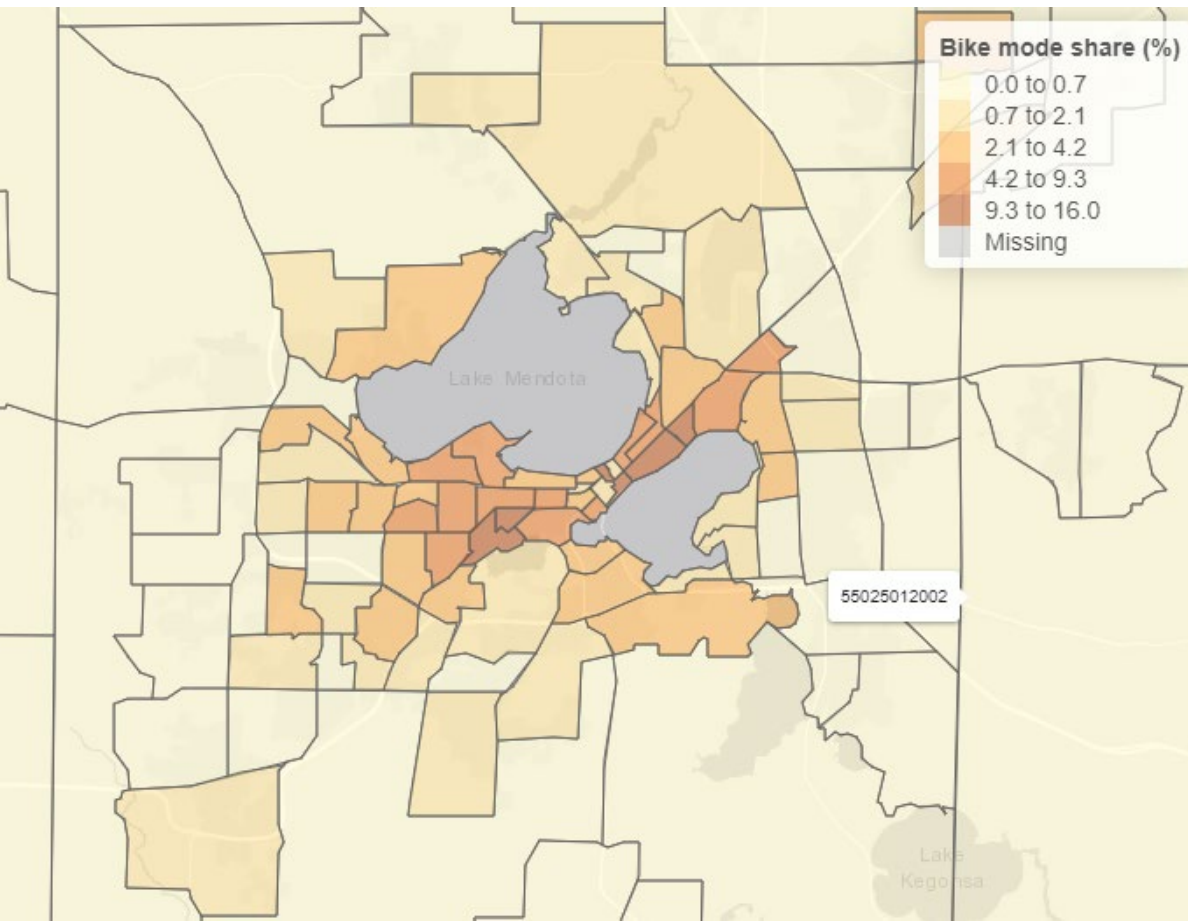
## Mode share stabilized after the pandemic disruption

City of Madison commute mode share, 2010-2023



American Community Survey 1-year estimates, Table S0801  
Visualization: Harald Kliems

# How much people drive/bike is unevenly distributed



# What's next?

- Continued focus on infrastructure
  - Low Stress Bike Network planning
  - Safe Streets For All
  - Vision Zero
- Education and Celebration
- Acknowledge roles of land use and density in increasing bike mode share and reducing emissions
  - Work with and support others

