



REGIONAL INDICATORS INITIATIVE

Data for Local Action: Transportation

Becky Alexander, LHB Inc.

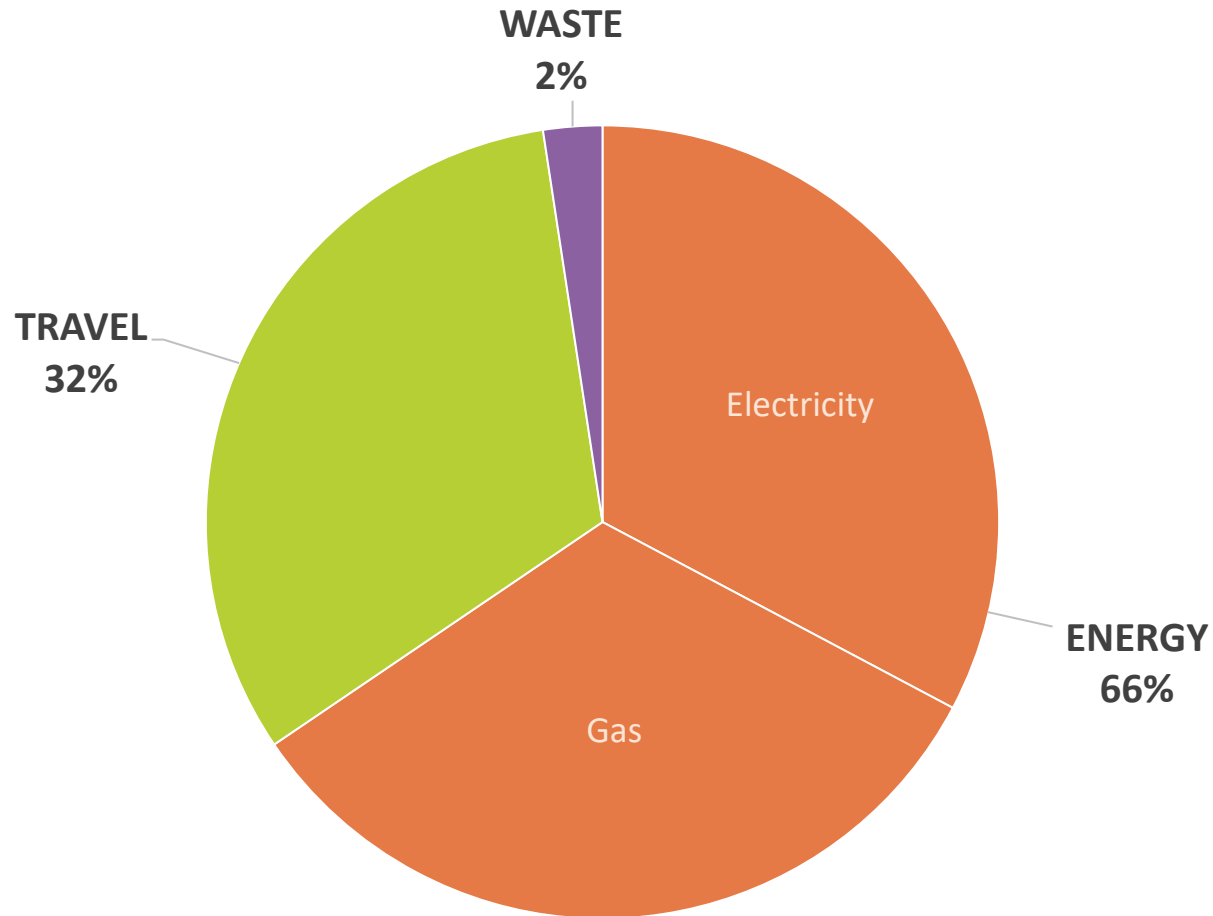
These slides include data from an analysis of the cities included in the Regional Indicators Initiative – a program that tracks citywide performance metrics for Minnesota cities. More information – including city-specific data – can be found at the program’s website.





GREENHOUSE GAS EMISSIONS

2020 – TOTAL FOR 31 CITIES



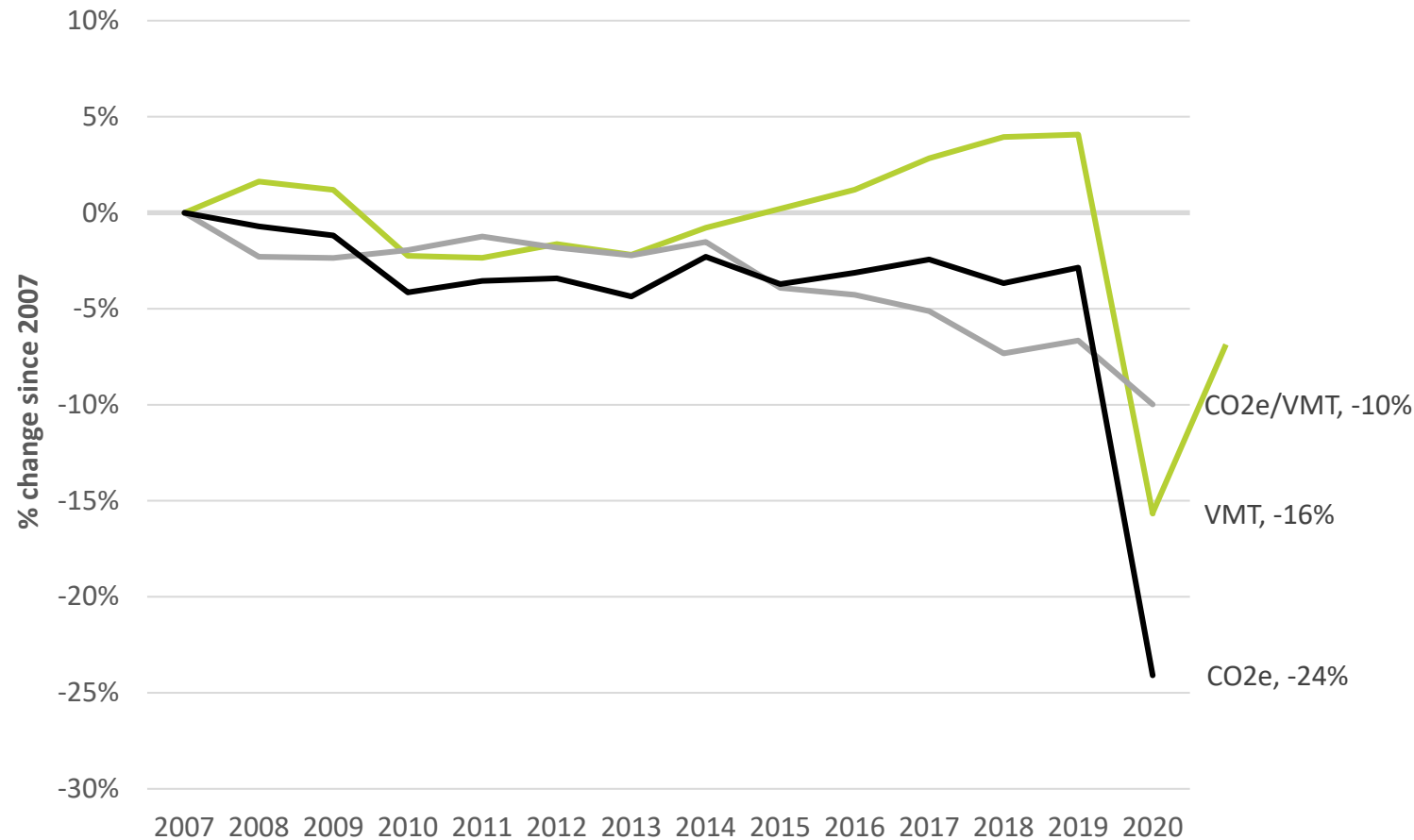
Vehicle travel is a major contributor to community-wide emissions.

Focus efforts there.



VEHICLE TRAVEL

18 CITIES



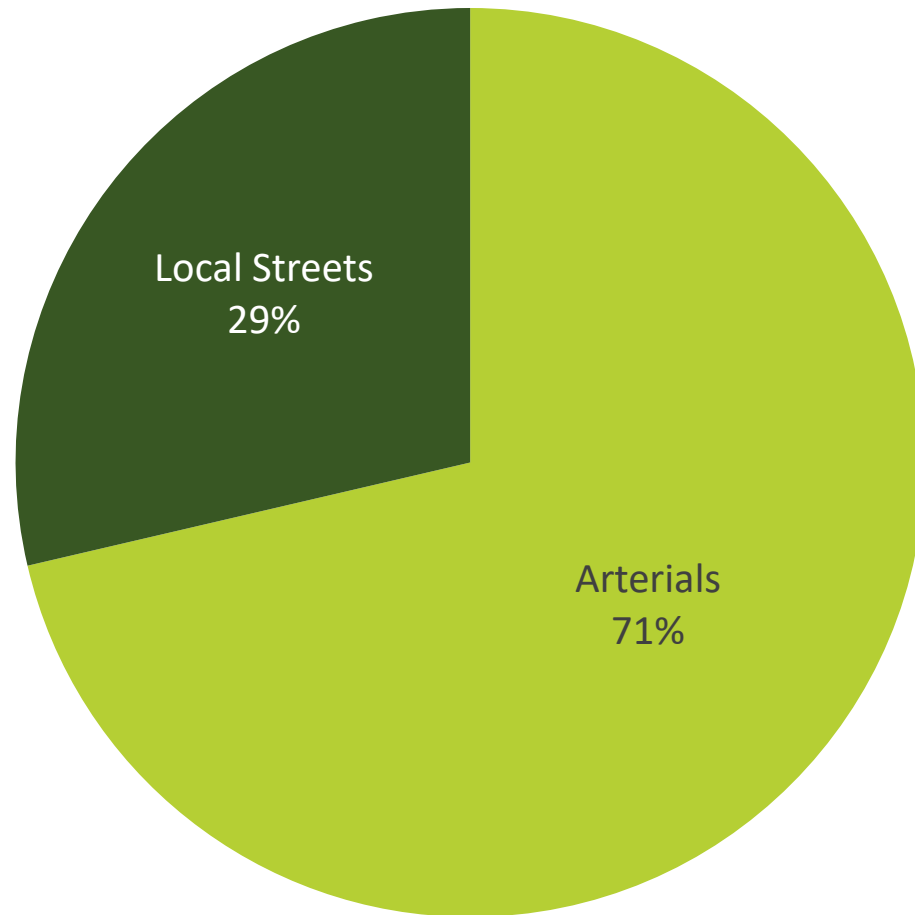
Prior to 2020, a decrease in the carbon intensity of each mile counterbalanced an increase in **vehicle miles traveled**.

Accelerate VMT reduction and electric vehicle adoption.



VEHICLE TRAVEL BY ROAD TYPE

2020 TOTAL FOR 102 CITIES



Nearly 30% of vehicle travel occurs on local roads.

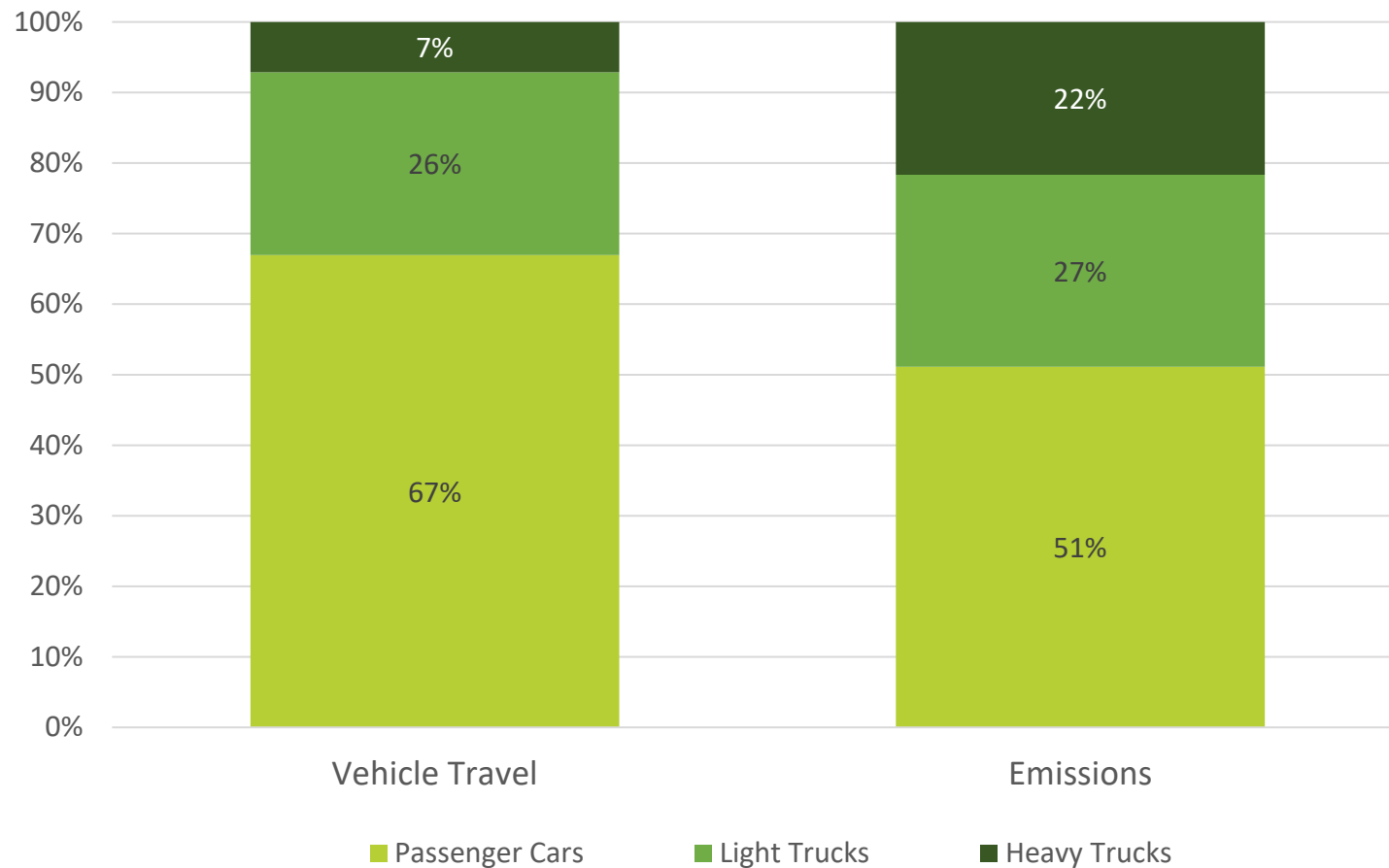
Work locally to impact VMT through land use decisions and pedestrian and bike infrastructure.

Work regionally to improve mobility options and shipping efficiency.



VEHICLE TYPE BREAKDOWN

2020 TOTAL FOR 102 CITIES



While the majority of VMT and emissions are from passenger cars and trucks, heavy trucks emit more per mile traveled.

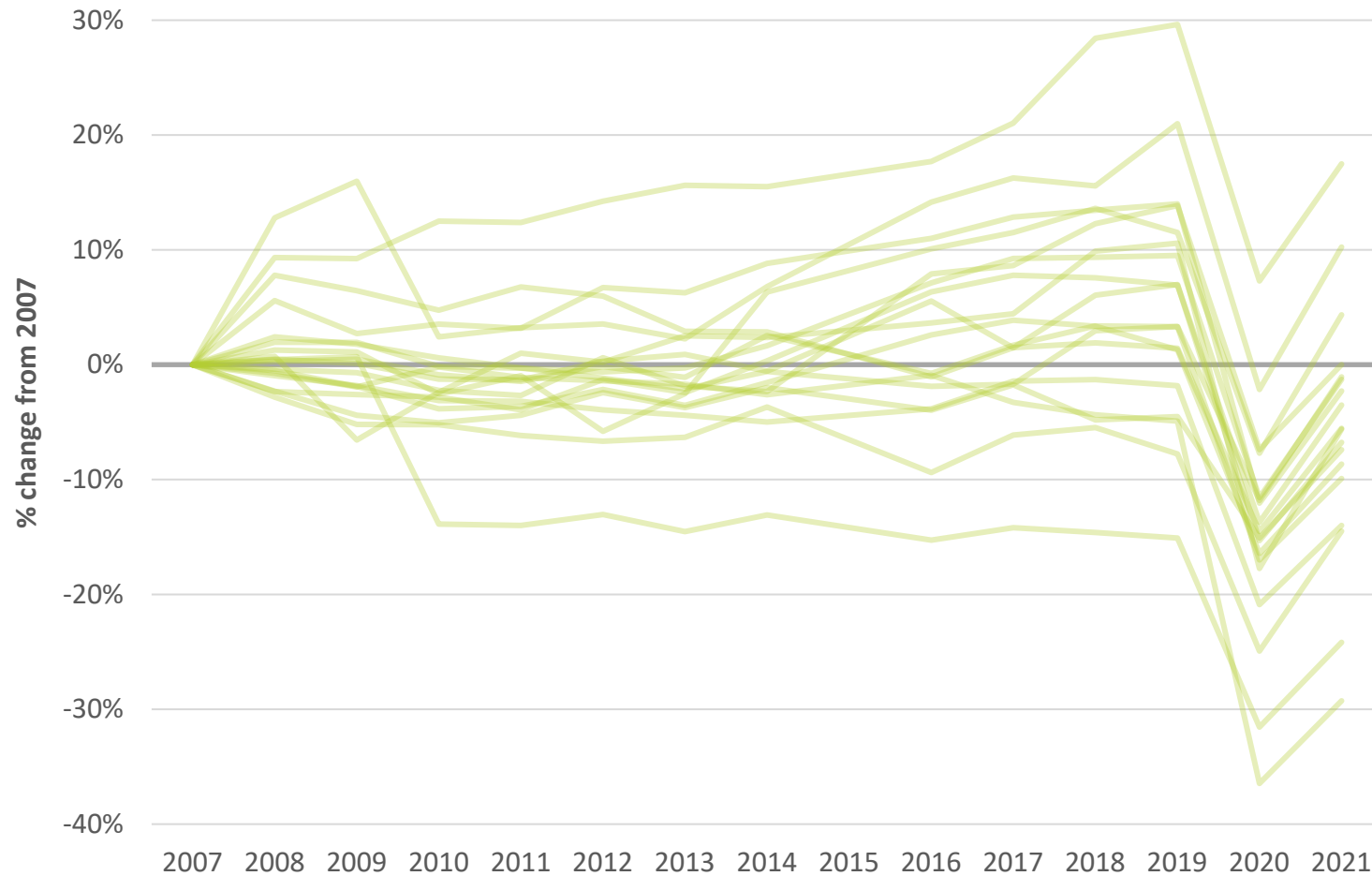
Act now to switch to electric heavy trucks.

Support rapid adoption of passenger EVs and long-term VMT reduction strategies.



VEHICLE MILES TRAVELED

VMT – 18 CITIES



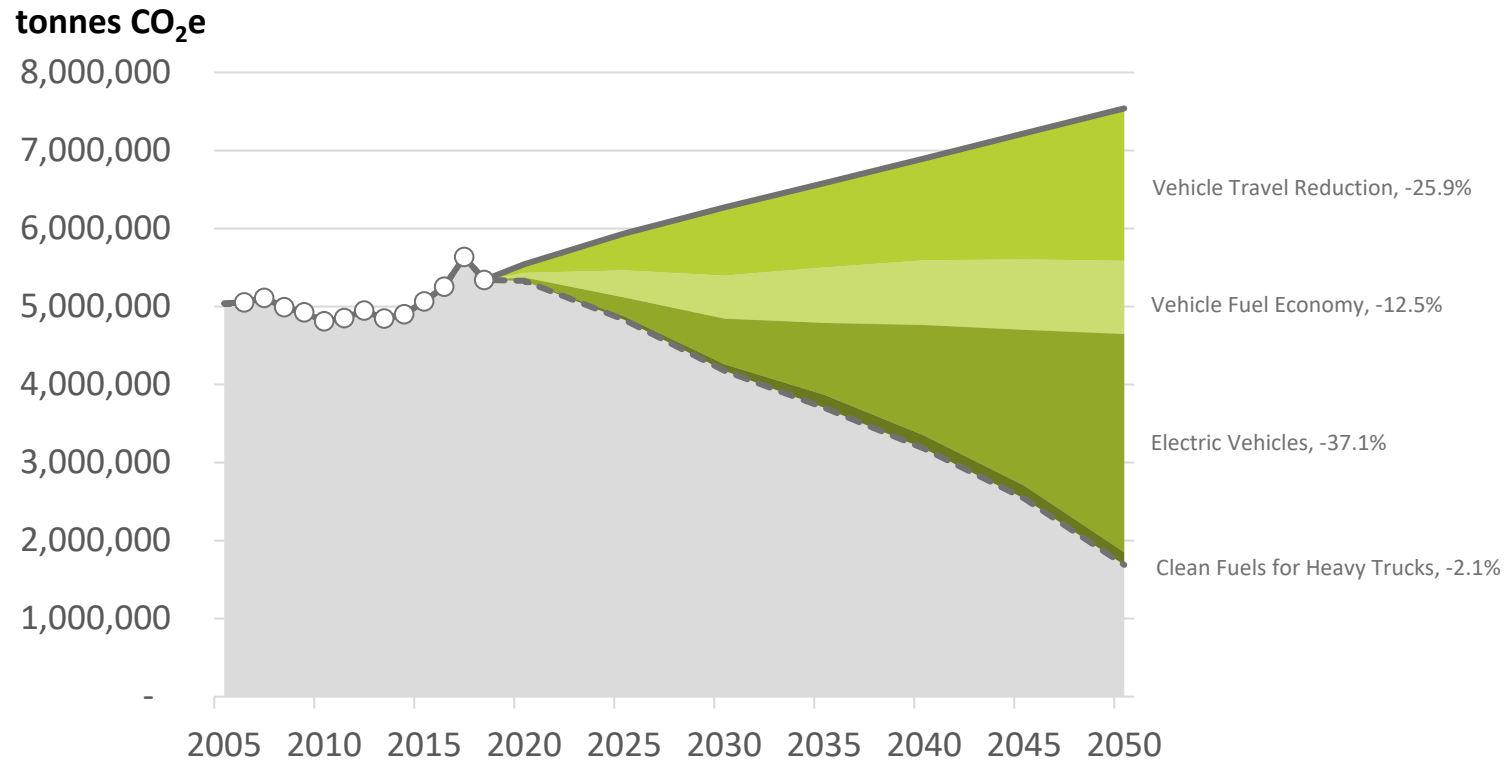
VMT trends vary by city.

Track your own data.



SCENARIO PLANNING

VEHICLE TRAVEL | HENNEPIN COUNTY



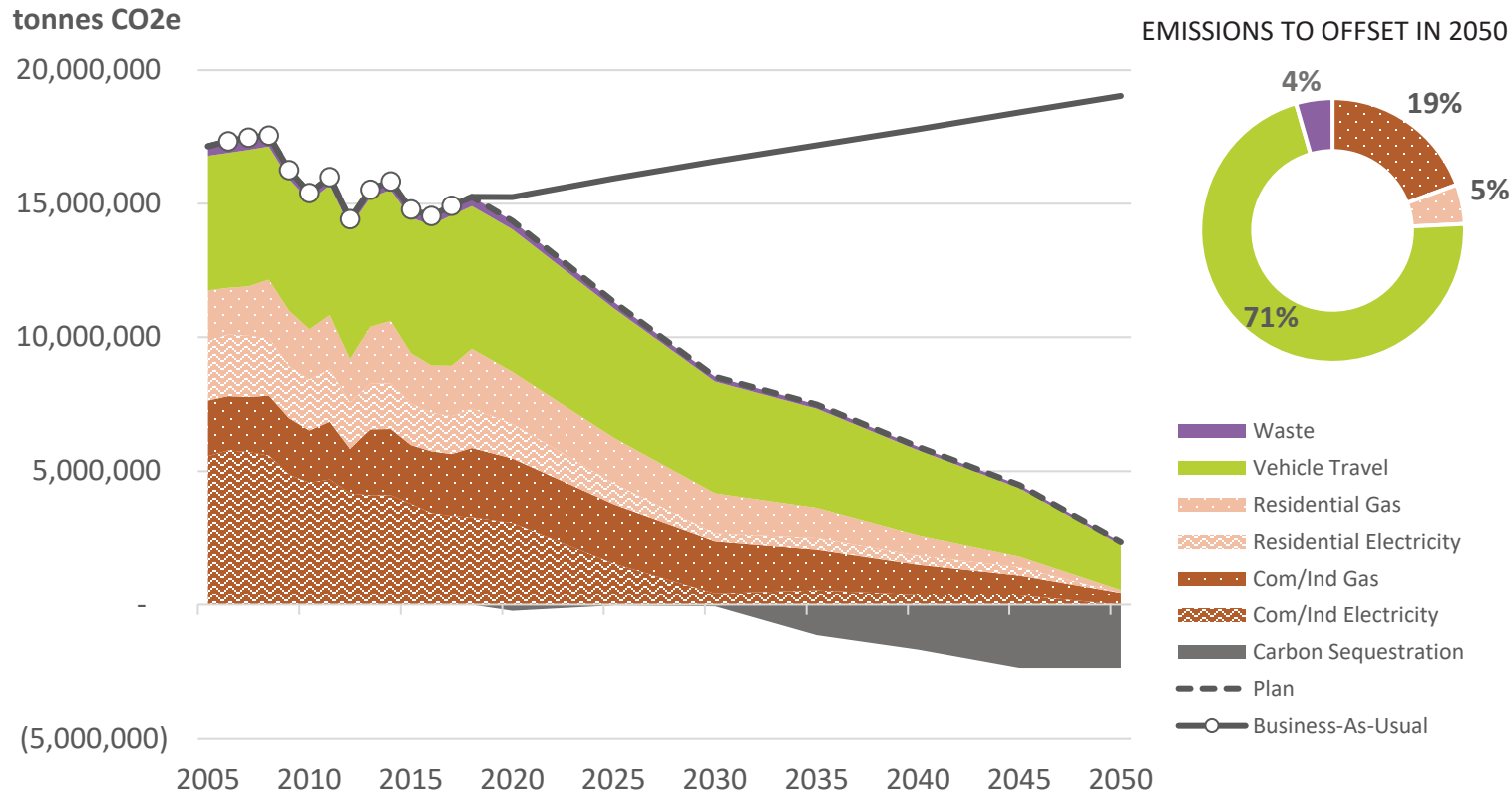
Vehicle travel emissions reductions can be achieved through a combination of mode shift and clean fuels.

Graph shows potential impact of travel emissions reduction strategies on business-as-usual travel emissions in Hennepin County. Modeled strategies include a 26% reduction in VMT per capita by 2050 (through regional transit, remote work, regional bike and pedestrian infrastructure, and ride share), the impacts of federal fuel economy standards, 20% light-duty electric vehicles by 2030 and 84% by 2050, and a 20% decrease in transportation fuel intensity for heavy trucks by 2035.



SCENARIO PLANNING

REMAINING EMISSIONS | HENNEPIN COUNTY



Challenges:

- Sustained reduction in dependence on vehicle travel
- Rapid, widespread adoption electric vehicles
- Solutions for heavy trucks



LEARN MORE

RegionalIndicatorsMN.com

QUESTIONS?

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