

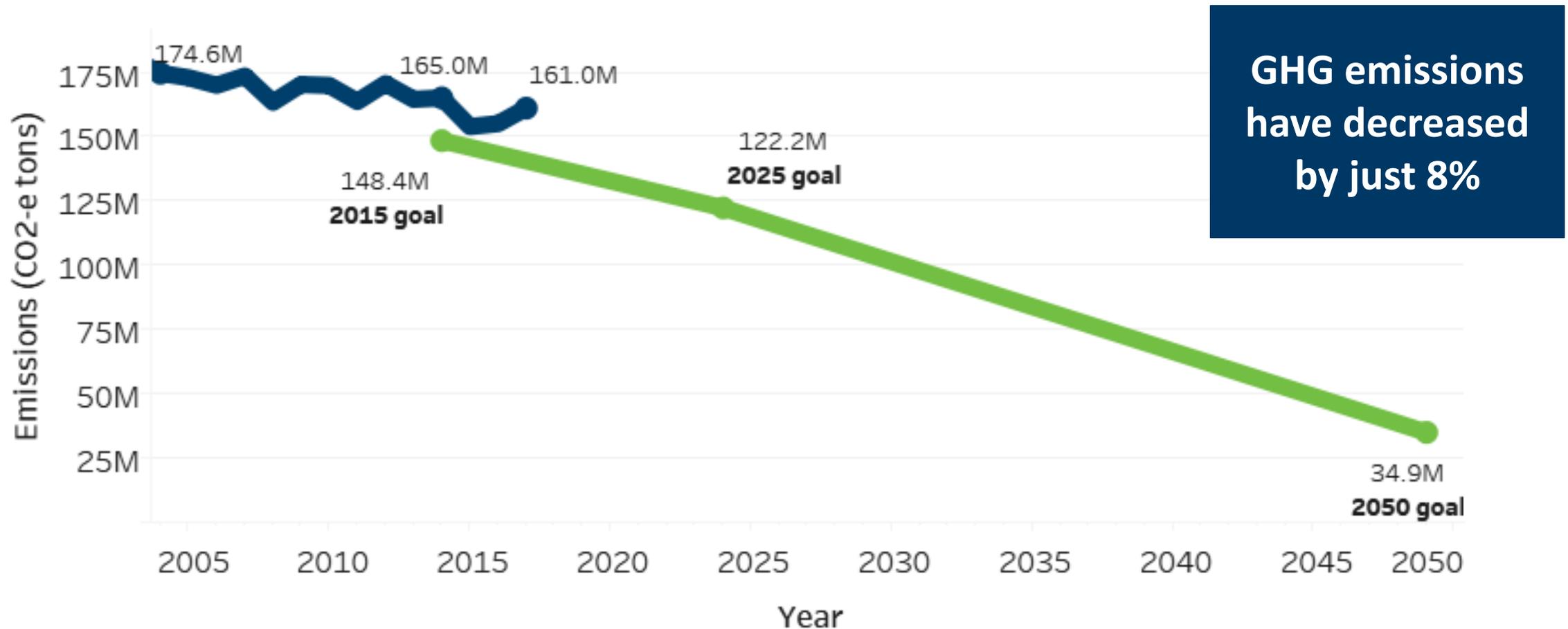


# Greenhouse gas emissions in Minnesota

Frank Kohlasch | Climate Director

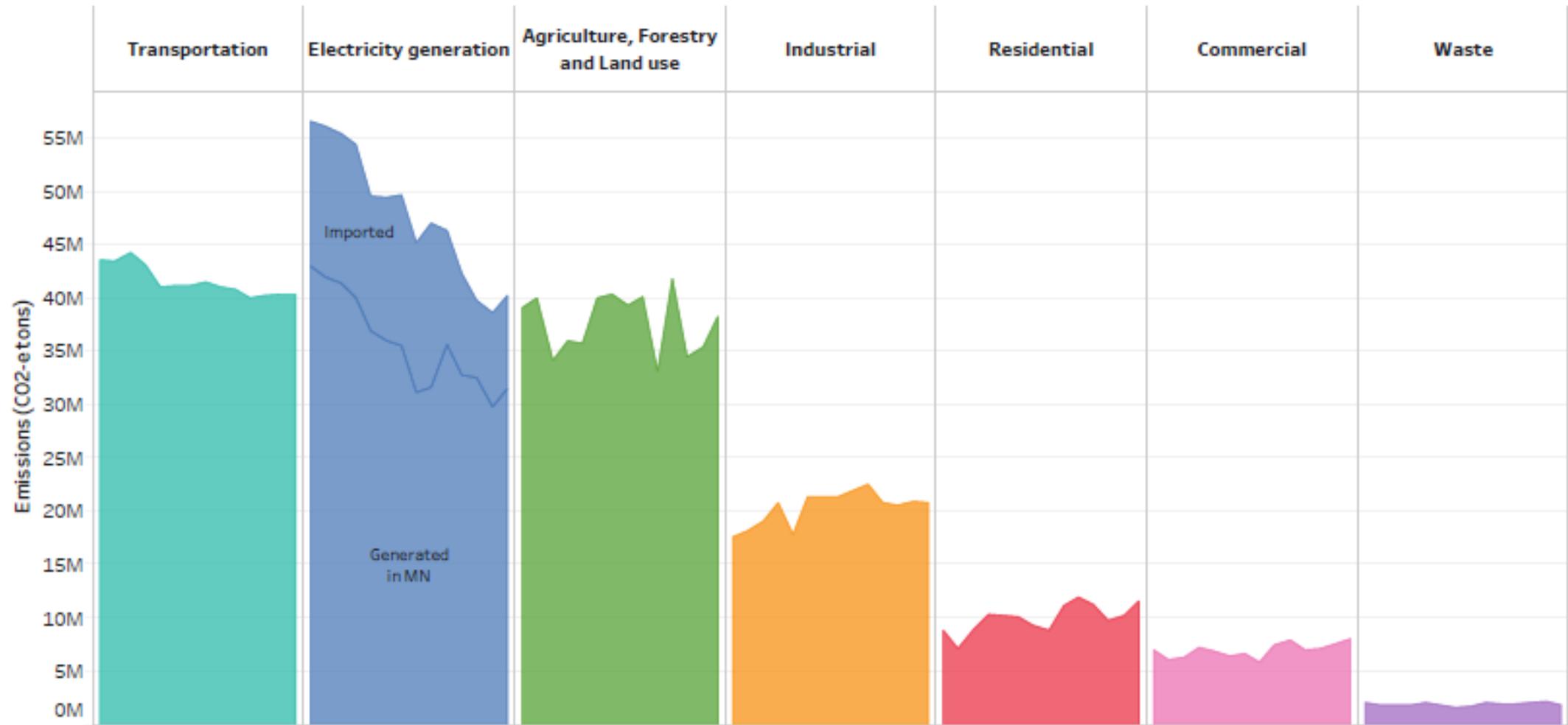
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# Minnesota is not on track to meet its goals



Minnesota's actual GHG emissions, compared to the Next Generation Energy Act goals

# Greenhouse gas emissions by sector



Emission change 2005 to 2018

-3.27M  
-7%

-16.40M  
-29%

-0.76M  
-2%

3.22M  
18%

2.83M  
32%

1.05M  
15%

-0.24M  
-11%

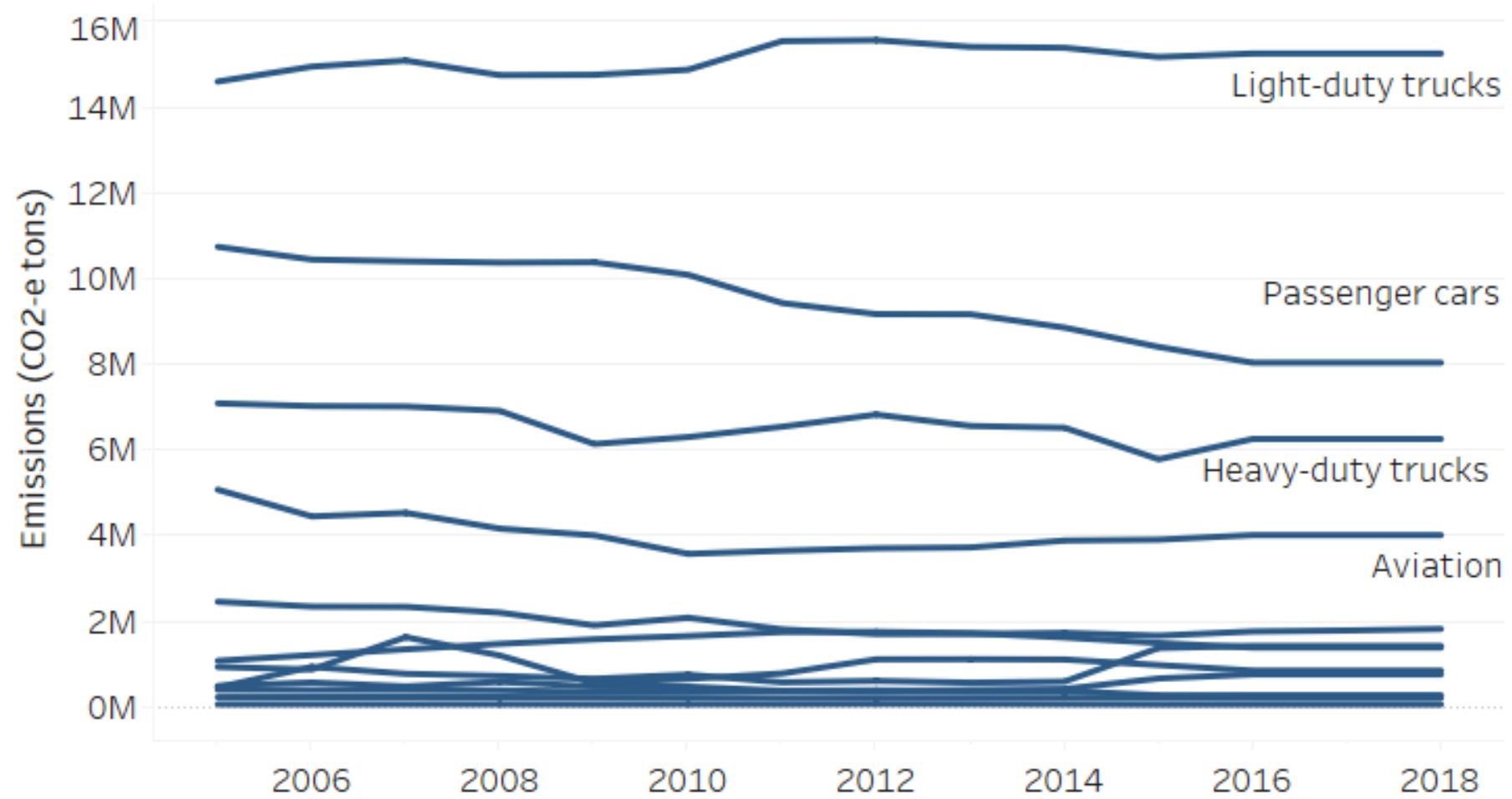
# Transportation

- Largest source of emissions
- Most in need of swift action
- Light-and medium-duty vehicles make up **more than half** of all transportation emissions



# Transportation emissions

Trends in sources of emissions



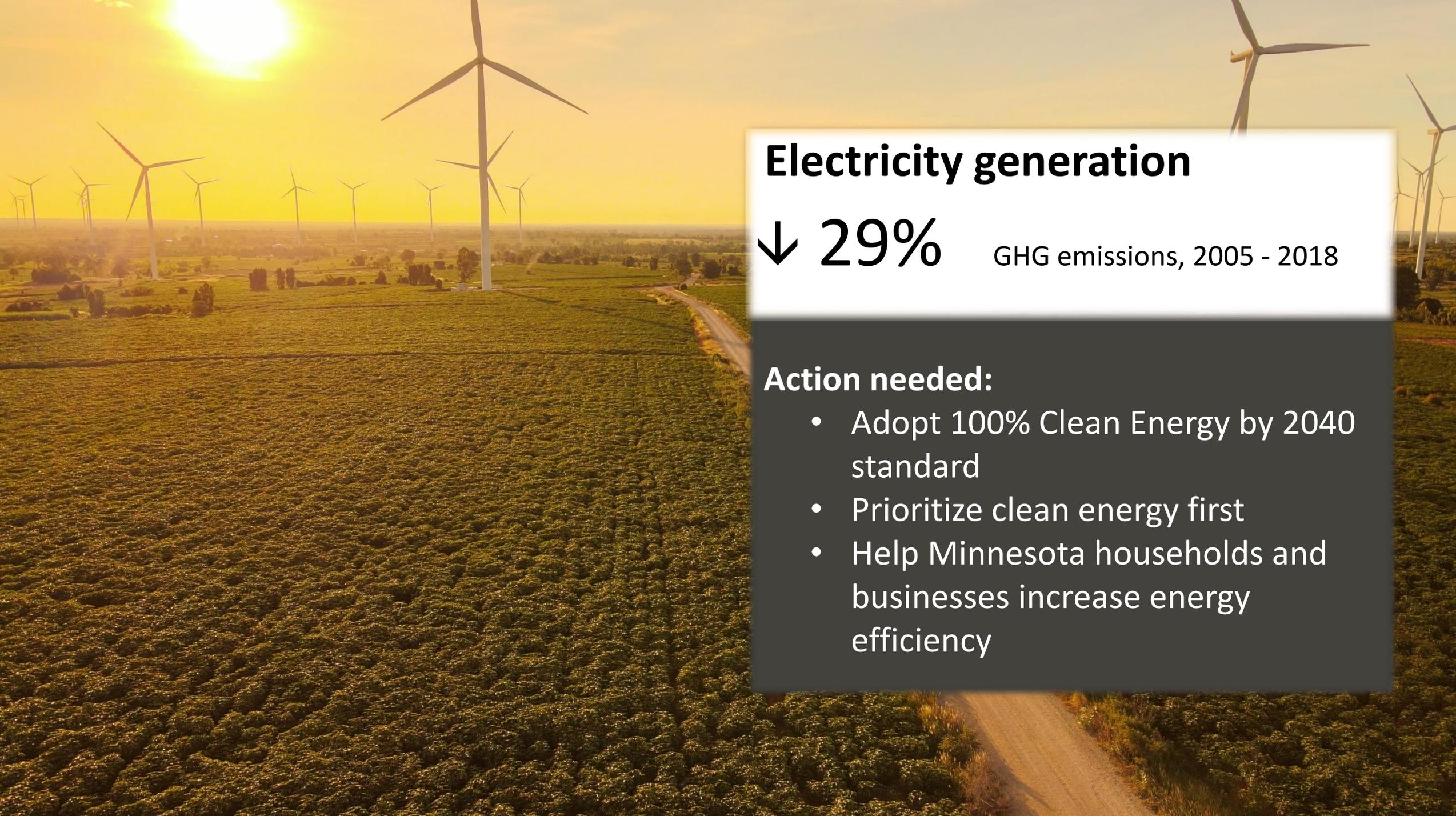


## Transportation

↓ 7 GHG emissions, 2005 - 2018

### Action needed:

- Implement clean car standards
- Invest in cleaner fuels
- Expand Minnesota's EV charging network

An aerial photograph of a wind farm. The scene is captured during sunset or sunrise, with a bright, glowing sun in the upper left corner. The sky is a mix of orange and yellow. In the foreground, there is a vast, green field, likely a soybean field, with rows of crops. A dirt road winds through the field. In the background, several large white wind turbines are scattered across the landscape, their silhouettes softened by the distance and the light. The overall atmosphere is peaceful and highlights renewable energy in a rural setting.

## Electricity generation

↓ 29% GHG emissions, 2005 - 2018

### Action needed:

- Adopt 100% Clean Energy by 2040 standard
- Prioritize clean energy first
- Help Minnesota households and businesses increase energy efficiency



## Agriculture, forestry, land use

↓ 2% GHG emissions, 2005 - 2018

### Action needed:

- Help farmers implement climate-smart practices, including cover crops
- Protect Minnesota landscapes after major precipitation events
- Increase tree cover



## Industrial, residential, and commercial

↑ 21% GHG emissions, 2005 - 2018

### Action needed:

- Adopt carbon reduction goals for existing buildings
- Develop more energy-efficient commercial and large multifamily buildings

# One Minnesota Climate Vision

**Climate change is an existential threat that impacts all  
Minnesotans.**

Establish and accelerate policies that put Minnesota on track to meet or exceed our greenhouse gas goals and achieve greater resiliency in the face of climate change.

# Our path forward

- Expand our engagement with Minnesotans to identify ways to reduce our emission and address the existential crisis presented by climate change
- Leverage the work of multiple efforts to reduce emissions and build resiliency
  - Climate Change Subcabinet
  - Governor's Advisory Council on Climate Change
  - Governor's Council on Biofuels recommendations
  - Sustainable Transportation Advisory Council recommendations
  - Minnesota Climate Adaptation Partnership

# What questions do you have?

**Frank Kohlasch**

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