



Photo Credit: Drive Electric Minnesota



# I-94 Alternative Fuel Corridor in Minnesota

Tim Sexton

Midwest Alternative Fuel Corridor Convening

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St. Paul, MN



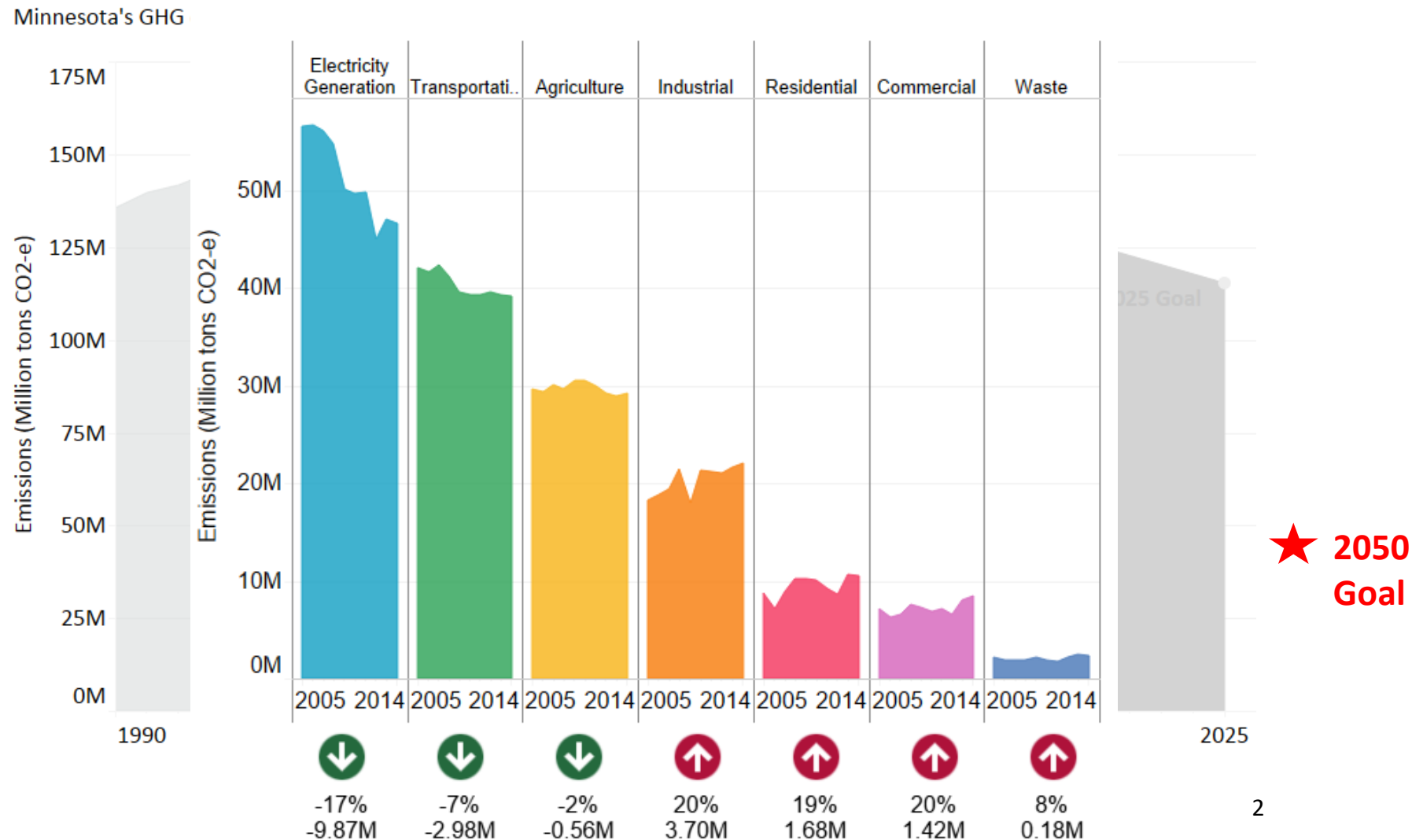
# Why this matters to MN

## Next Generation Energy

Act --- reduce GHG emissions from 2005

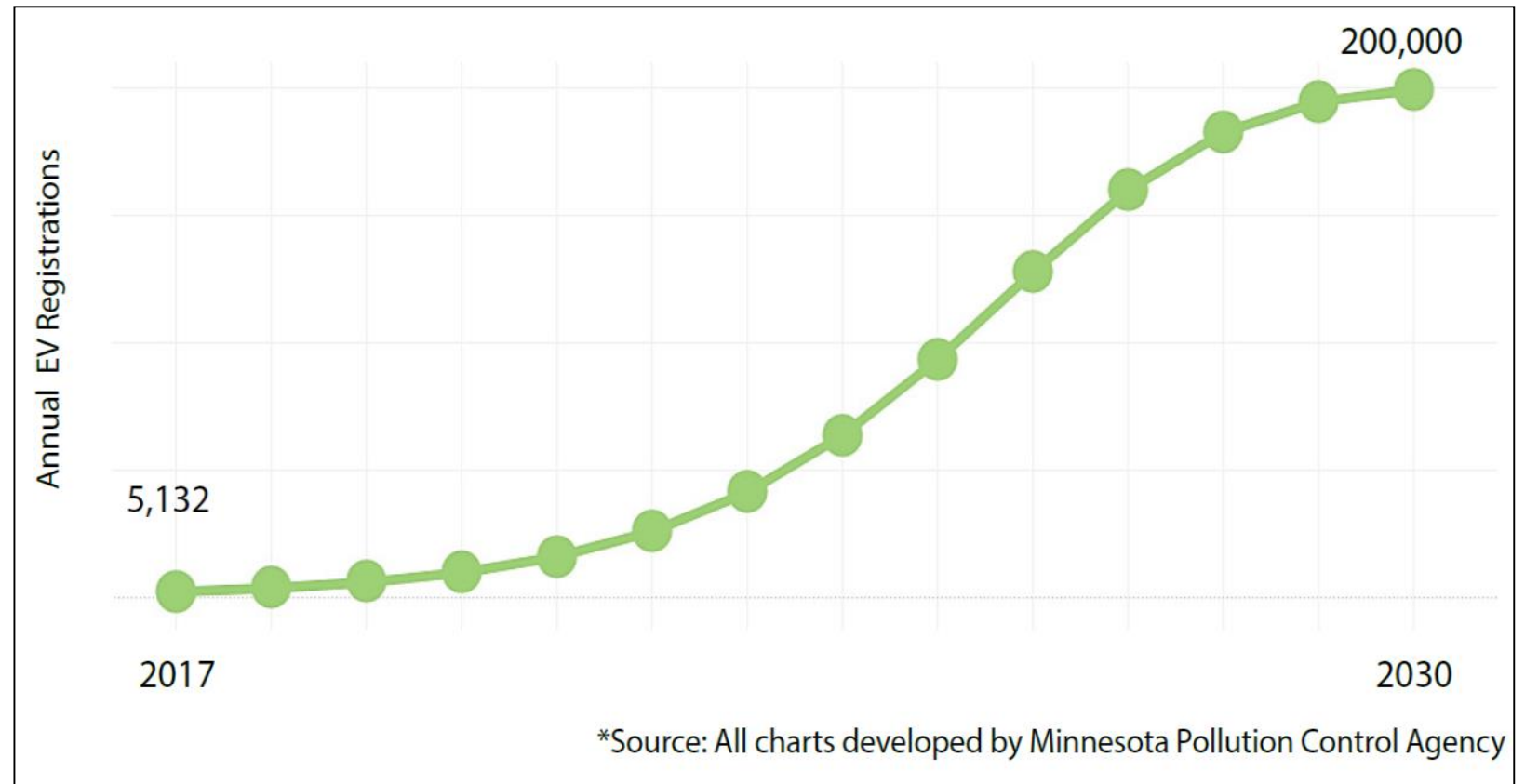
- 15% by 2015
- 30% by 2025
- 80% by 2050

Minnesota's greenhouse gas emissions from economic sectors 2005-2014



# Increased EV uptake is one strategy

- State goal for 20% of fleet to be EV by year 2030



# I-94 Great Lakes Zero Emission Vehicle Corridor

1. Illinois
2. Minnesota
3. Michigan
4. Wisconsin
5. Indiana
6. City of Detroit

Tech Support - NREL and Argonne

Other letters of support/partners



# Signage

## *Installed*

- 4 locations installed, both directions
- 3 more planned
- Internal fabrication and install (\$700 – \$1,000 per sign)

## *Supplemental guidance in TEM*

- beginning and end of the corridor
- confirmatory assemblies at 30 - 60 mile spacing.
- Consider rural/urban environments and bypasses when spacing signs



# Questions?



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# Supplemental Signing

Facility Type	Sign Design Sign #'s refer to designation in the MnDOT Standard Signs Summary	# of Miles from an Intersection or Interchange N/E = Not Eligible		Roadway Type	Sign Program and Facility-Specific Criteria  Unless otherwise indicated, the General Criteria apply for all facilities. See MnDOT's Traffic Engineering Manual for placement of signs.
		Urban	Rural		
Electric Vehicle (EV) Charging	<ul style="list-style-type: none"> <li>D9-X6</li> </ul>  	N/E	2	<ul style="list-style-type: none"> <li>Freeway</li> <li>Expressway</li> </ul>	EV charging stations must meet the following requirements: <ol style="list-style-type: none"> <li>High powered charging station.</li> <li>Located within 2 miles of the interchange.</li> <li>Available to the public 12 hours per day 7 days per week.</li> <li>The route leading to the EV charging station and the charging station itself should be clearly identified with EV charging station signs.</li> <li>Parking spaces identified with regulatory signs for electric vehicle charging only.</li> <li>The EV charging station and parking facilities are lit.</li> <li>Installation and maintenance of trailblazing signs beyond the exit ramp and on site facility signing will be the responsibility of the local road authority and requester.</li> <li>Trailblazing signs located on local roads may use either white legend on blue background or the D9-11b (alternate) symbol.</li> </ol>

