



Minnesota 2023 Update

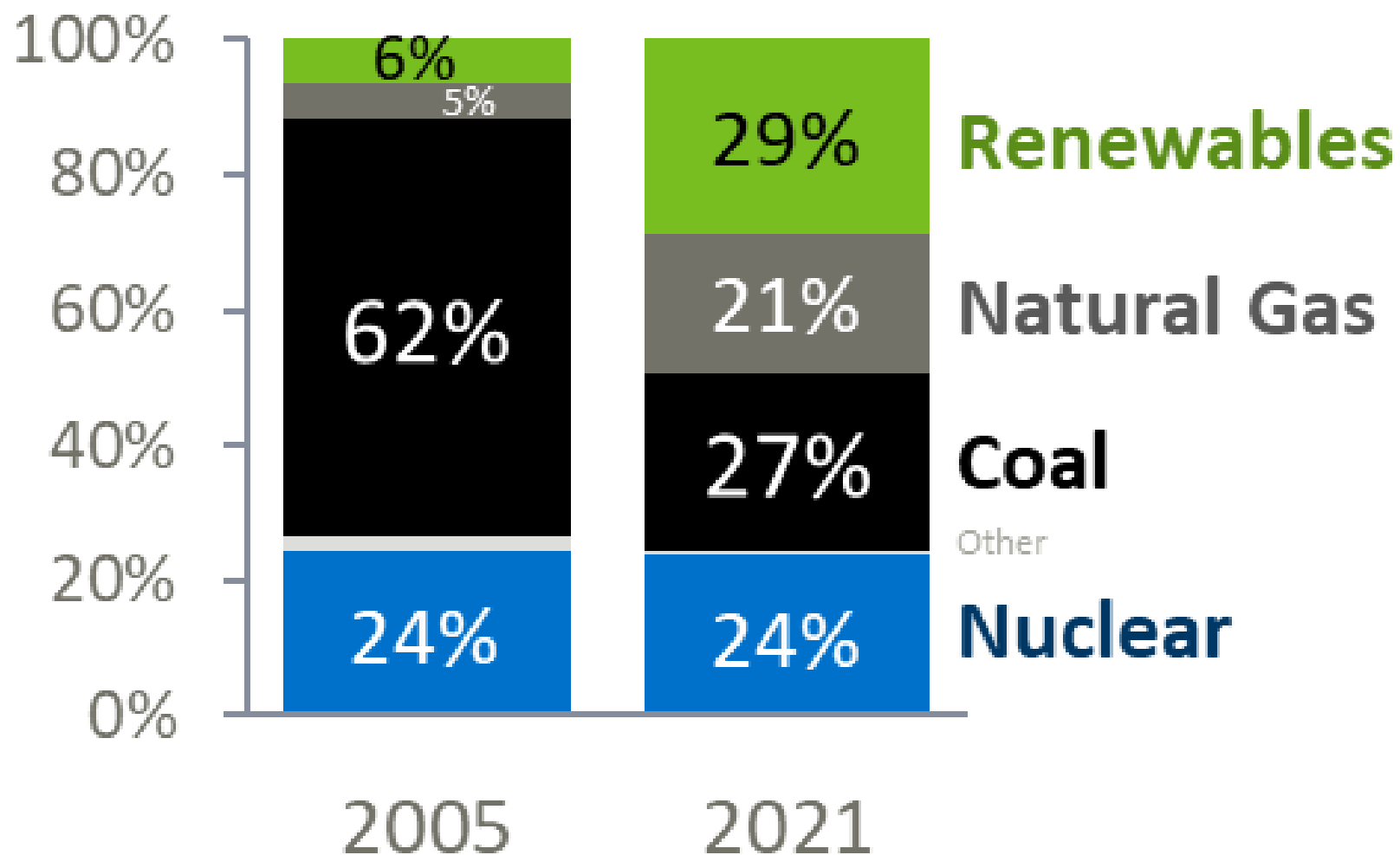
Midwest Energy Solutions Conference, Chicago, IL
February 2, 2023

Anthony Fryer, Conservation Improvement Program Supervisor



Minnesota's Generation Mix Over Time

Electricity Generated in Minnesota



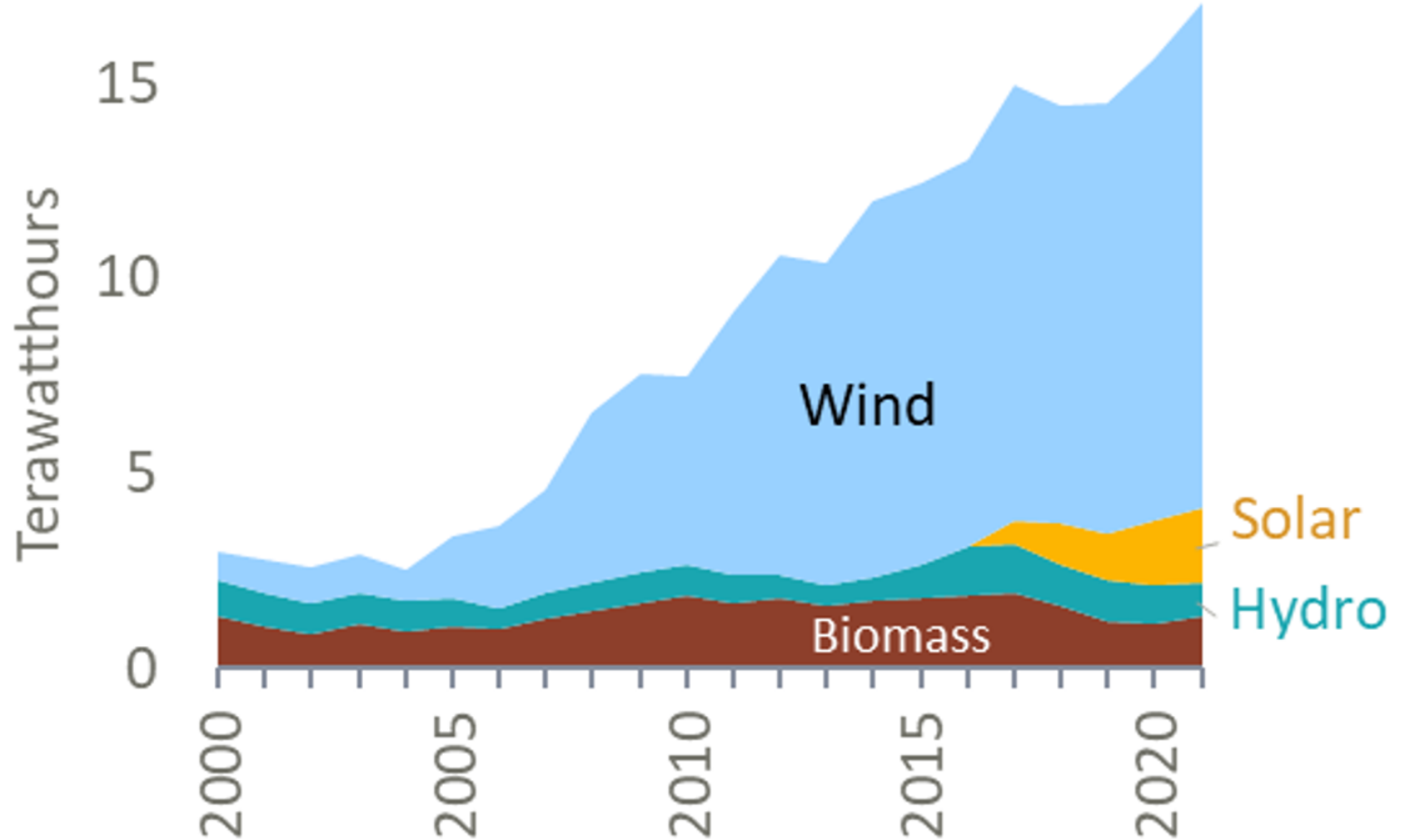
source: U.S. EIA

Minnesota's Transforming Electricity Market

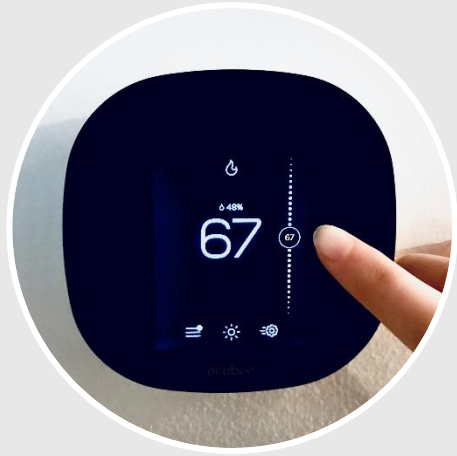


MN Renewable Electricity Generation

source: U.S. EIA



Impact of MN Policy Efforts to Date



Energy Efficiency

Saved
Minnesotans
over **\$6 Billion**



MN Coal Generation

Reduced from
over 60% to
under 25%



Electric Sector CO₂ Emissions

Reduced by **46%**
from 2005
baseline



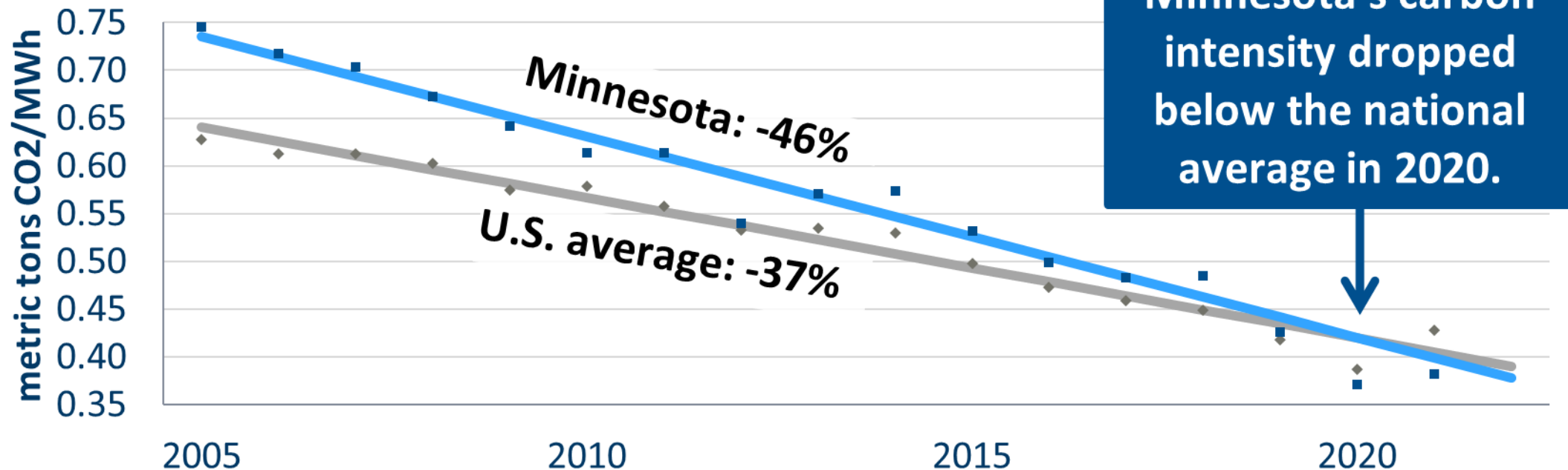
Renewable Energy

Developed nearly
6,000 MW's of
Wind & Solar

Transformation to Date – Reducing Carbon Intensity

Carbon Intensity of Electricity Generated within Minnesota

Emissions change 2005 to 2021



Source: MN Department of Commerce analysis of U.S.EIA data

The climate vision for Minnesota



Carbon-neutral

By 2050, Minnesota substantially reduces greenhouse gas (GHG) emissions and balances any GHG emissions with carbon storage, especially in our landscapes.



Resilient

Minnesota communities, businesses, and the natural environment can prepare, respond to, and recover from the impacts of climate change so all Minnesotans can thrive in the face of these challenges.



Equitable

Minnesotans acknowledge and address inequitable and inaccessible systems that contribute to some communities experiencing disproportionate climate change impacts; ensure fair distribution of the costs and benefits of action now and to future generations; and ensure meaningful participation in planning.

2023 Minnesota Legislative Session

Commerce priorities

Proposals included in Walz-Flanagan One Minnesota 2023 Plan

- State Competitiveness Fund - \$114 million
- 100% clean energy in electricity sector by 2040 – Policy bill
- Pre-weatherization and workforce training program – \$24 million
- Strengthening Minnesota homes - \$32 million
- Expanding Solar for Schools - \$61.5 million
- Grid reliability - \$1 million
- Energy Resources and Planning - \$1.26 million

Highlights of MN Impacts: Inflation Reduction Act (IRA)



Benefits to MN Residents

- ✓ \$148.5M for home energy upgrades and electrification
- ✓ Tax Credits = 30% for an est. 180,000 MN households to install solar, battery storage systems, & home energy improvements.
- ✓ State/LUG Energy Code Adoption Funding = 9.1% or \$238 annual savings/household
- ✓ Community Solar Tax Credits = 30-50% for residential participants
- ✓ Electric vehicles = \$7,500 for new and \$4,000 for used EVs

Benefits to MN Businesses

- ✓ Large-scale clean power generation & storage tax credits = \$8.5B estimated investment in MN
- ✓ Bonuses to pay prevailing wage
- ✓ \$5/sft. for energy efficiency improvements.
- ✓ 30% tax credits for solar, clean fuels trucks/vans for fleets.

<https://www.whitehouse.gov/wp-content/uploads/2022/08/Minnesota.pdf>

IIJA and IRA Resources



- The White House, [Bipartisan Infrastructure Law Guidebook](#)
- U.S. Department of Energy | [IIJA Homepage](#)
- The White House, [Inflation Reduction Act Guidebook](#)
- The White House, [MN IRA Fact Sheet](#)
- MN Commerce website: [Federal Funding Opportunities](#)
- MN Commerce e-newsletter on Federal Funding Opportunities - [Subscribe](#)
- MNE Commerce email for Federal Funding Questions: fedquestions.commerce@state.mn.us

Thank You!

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