

Natural Gas for Transportation - State of the Industry

WI Natural Gas for Transportation Roundtable

October 22, 2019

Maria Redmond

Director, Wisconsin Office of Energy Innovation



Wisconsin Office of Energy Innovation

Wisconsin Office of Energy Innovation

Vision

Securing Wisconsin's energy future and improving its economy and environment.

Mission

The Wisconsin Office of Energy Innovation promotes innovative and effective energy policies and programs that benefit Wisconsin's citizens and businesses.

Values

OEI is committed to:

- Open Communication and Transparency;
- Collaboration and Teamwork;
- Being Forward Looking and Solutions Oriented;
- Building and Maintaining Expert-Level Knowledge; and,
- Economic Viability.

WI Natural Gas for Transportation Roundtable

Stakeholder initiative created to provide information and identify opportunities to expand the use of:

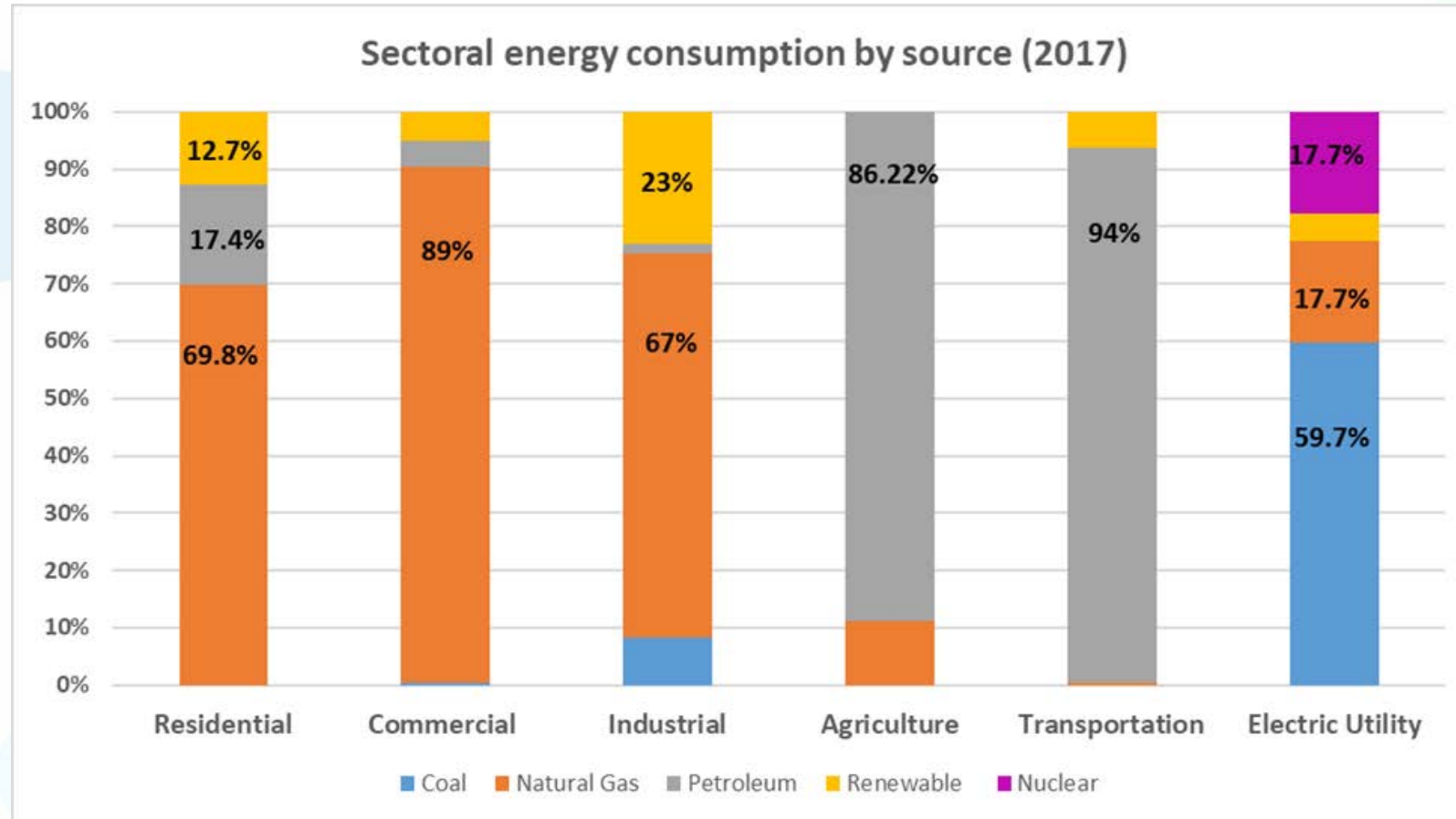
- Compressed Natural Gas (CNG)
- Liquefied Natural Gas (LNG)
- Biogas

Objectives:

- Expand Natural Gas Vehicle Infrastructure
- Address Natural Gas Vehicle Availability
- Identify Barriers and Policy Issues
- Provide Education and Outreach
- Coordinate natural gas regulatory efforts among state agencies
- Promote Wisconsin as a leader in the use of Natural Gas

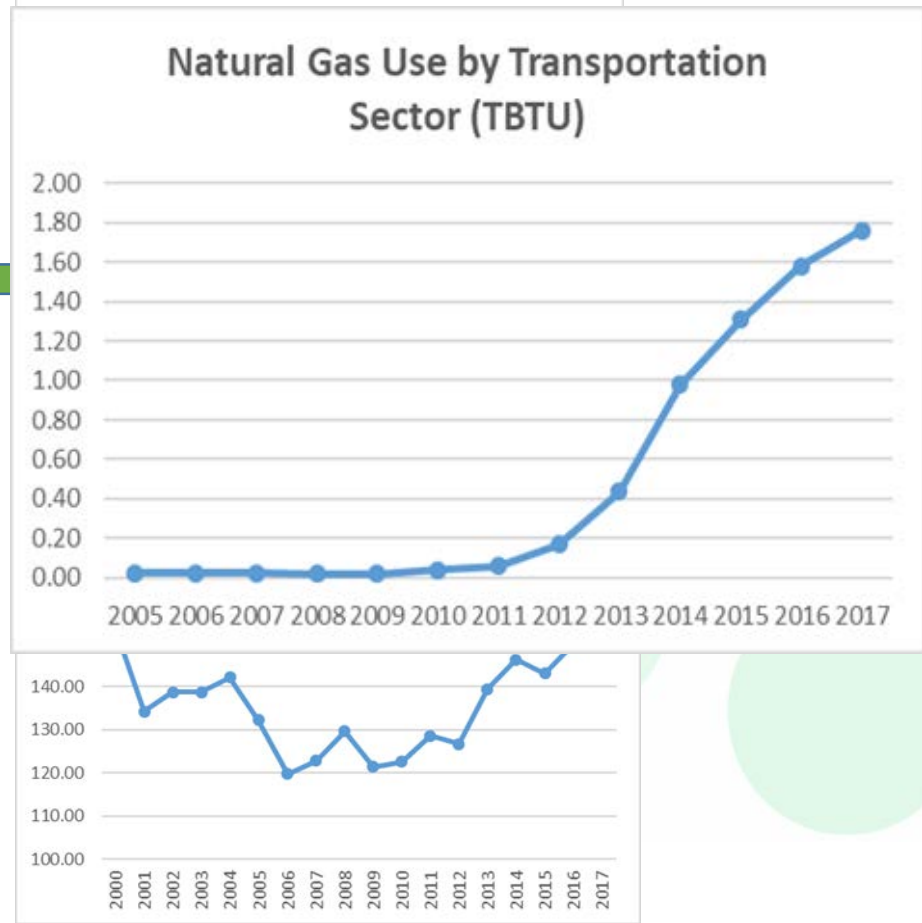


Energy Use by Source and Sector (2017)

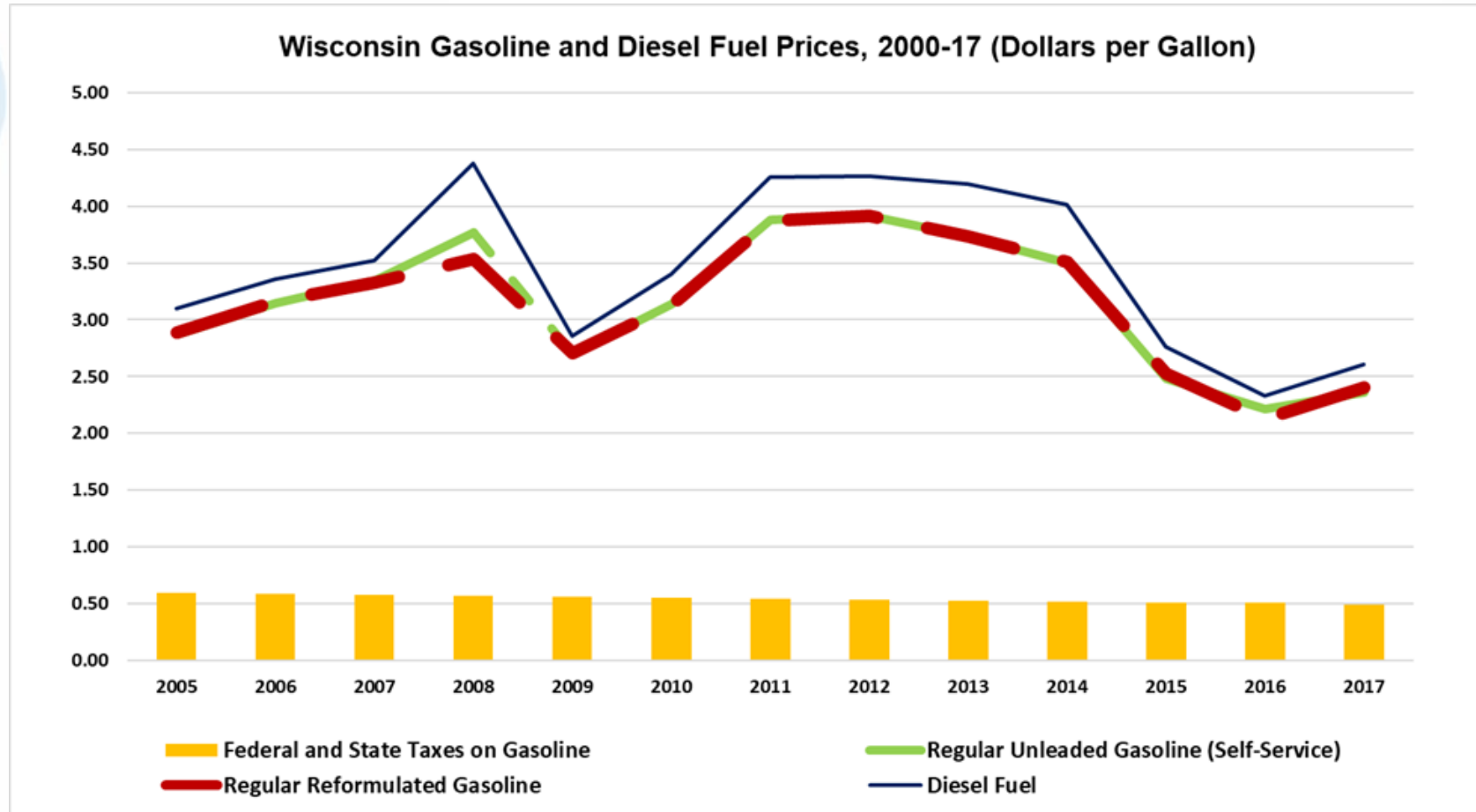


Natural Gas Use

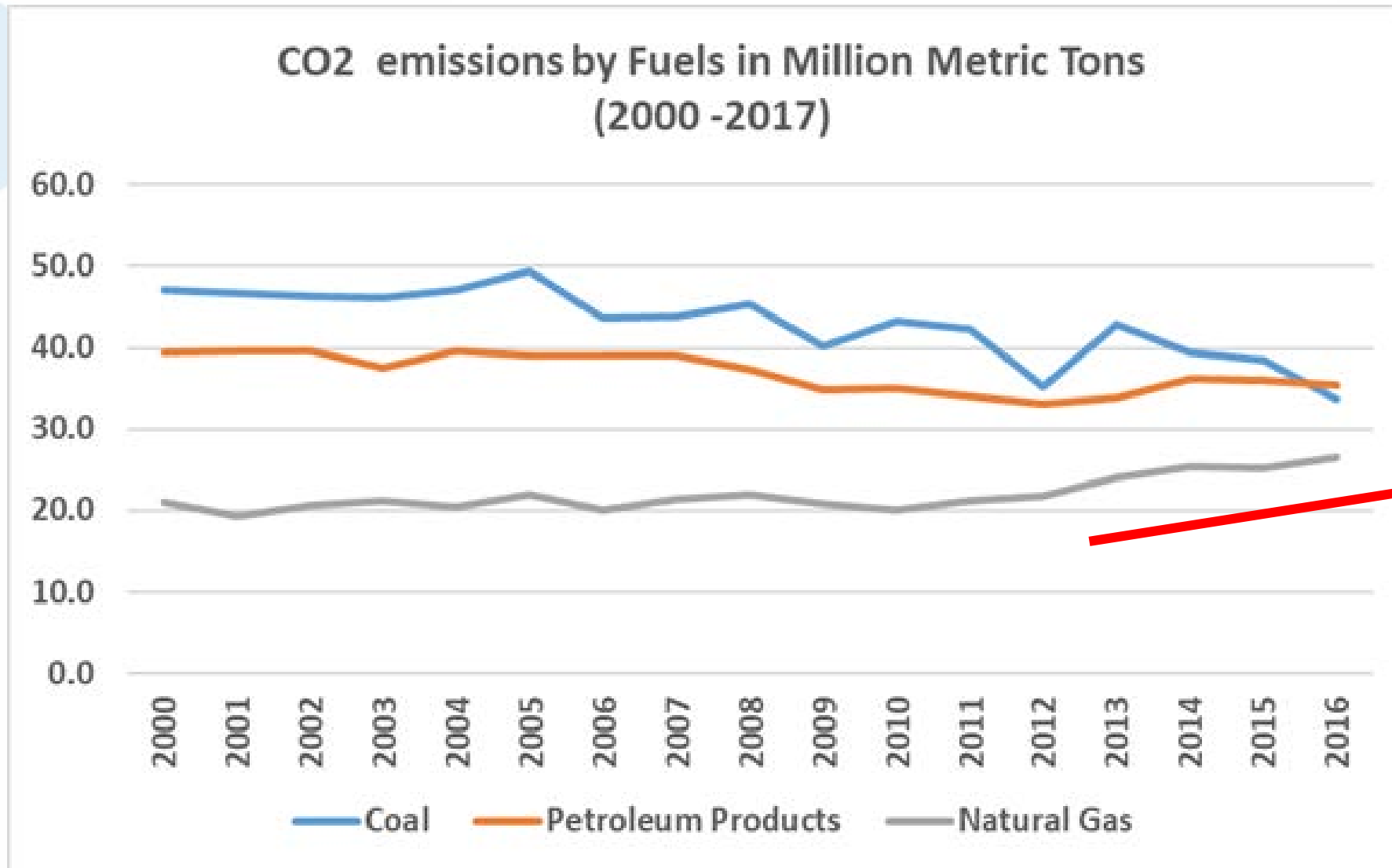
	Natural Gas Use by Commercial Sector (TBTU)		Natural Gas Use by Electric Utility (TBTU)	
	2011	2016	2018	
Stations	21	56	56	
Vehicles	4,348	5,722	5,711	
GGE Consumed	548,910	2,807,196	3,470,579	
Average Pump Price	\$1.885	\$1.917	\$1.999	



Transportation Fuel Prices



Overall Emissions



Opportunities/Resources

- Energy Assurance and Resiliency
 - Concerted effort to identify opportunities for Alternative Fuels Vehicles as a resiliency and mitigation opportunity in emergency situations
 - Statewide Assistance for Energy Resilience and Recovery (SAFER2)
- Funding
 - Energy Innovation Grant Program
 - State Energy Program
 - VW Settlement
- Increased Sector Support



Current Policy Driver

- Achieve a goal of ensuring all electricity consumed within the State of Wisconsin is 100% carbon-free by 2050
- Creates the Office of Sustainability and Clean Energy
 - Develop and implement a clean energy plan in collaboration with other departments and agencies
 - Promote clean energy workforce training
 - Foster innovation, research, and business development with renewable energy, energy efficiency, and sustainability sectors
 - Develop energy efficiency, sustainability, and renewable energy standards for all new and existing state facilities, office buildings, and complexes.



EXECUTIVE ORDER #38

Relating to Clean Energy in Wisconsin

9

WHEREAS, climate change poses a serious threat to Wisconsin's natural resources, public health, communities, tourism, and economy;



Wisconsin Office of Energy Innovation

Contact Us!

The Wisconsin Office of Energy Innovation is here to answer questions, meet with your customers, connected with a vast networks of contacts and resources in the state and nation.

Call: 608-261-6609

Email: oei@wisconsin.gov

Visit: <https://psc.wi.gov/Pages/Programs/OEI.aspx>

Mail: Public Service Commission of Wisconsin
Wisconsin Office of Energy Innovation
4822 Madison Yards Way
Madison, WI 53705

