

21st Century Transportation for Wisconsin

Peter Skopec

Director, Wisconsin Public Interest Research Group

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WISPIRG: Grassroots Organizing, Advocacy & Research



WISPIRG
Standing Up
To Powerful Interests



Driving Wisconsin's 'Brain Drain'?

How Outdated Transportation Policies
Undermine Wisconsin's Ability to
Attract and Retain Young Talent for
Tomorrow's Economic Prosperity

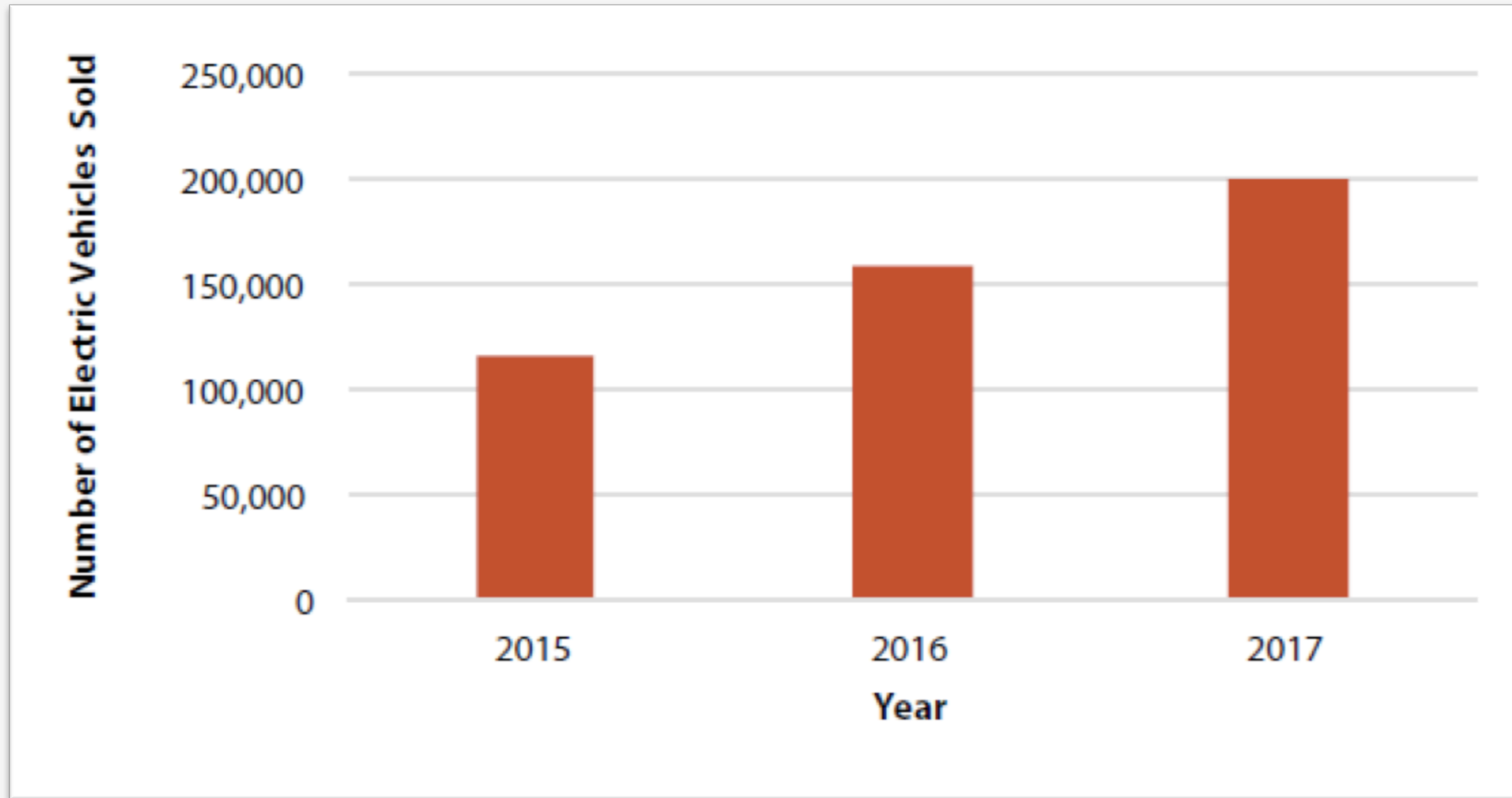
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The Benefits of EVs: Cleaner Air, Lower Emissions, Consumer Savings

- Exposure to diesel soot and ground-level ozone is linked to **higher mortality rates**.
- EVs have **half the carbon footprint** of gasoline-powered cars over their lifetime.
- On average, it **costs about half as much to drive an EV** as it does to drive a gasoline-powered car.



EV Sales Are at an All-Time High

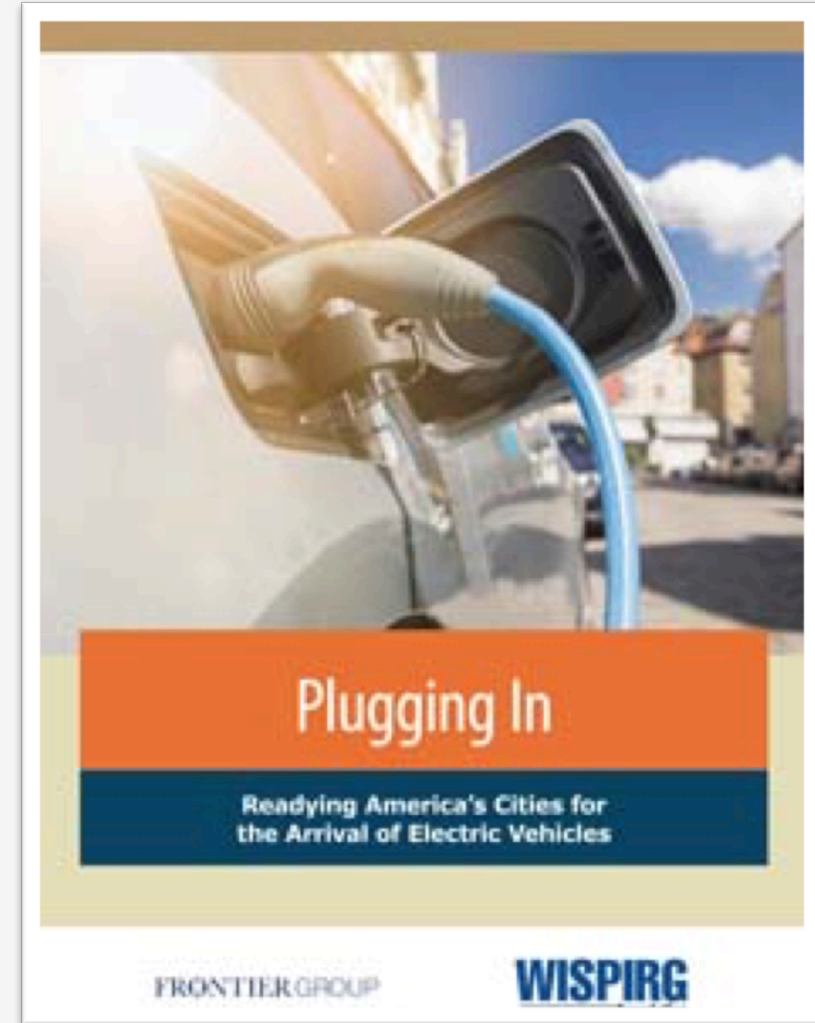


2016: +38%

2017: +32%

Cities Need to Prepare for More EVs Hitting the Road

- **Madison** could see **9,000 EVs** on the road by 2030, requiring up to 280 additional public and workplace charging locations.
- **Milwaukee** could have **17,000 EVs** on city streets by 2030. Milwaukee will need more than 600 additional public and workplace charging stations by 2030.



			Estimated # of Public Plugs Needed by 2030		Current # of Public Plugs in City Limits	
City	Population (2010 Census)	Projected Number of EVs in City Limits by 2030	Public & Workplace Level 2 Chargers Needed	Public Fast Chargers Needed	Existing Level 2 Chargers	Existing Fast Chargers
Green Bay	104,057	4,000	144	6	6	0
Appleton	72,623	2,900	104	4	5	0
Oshkosh	66,083	2,400	86	4	3	1

Calculations based on data from National Renewable Energy Laboratory, U.S. Census Bureau, Dept. of Energy

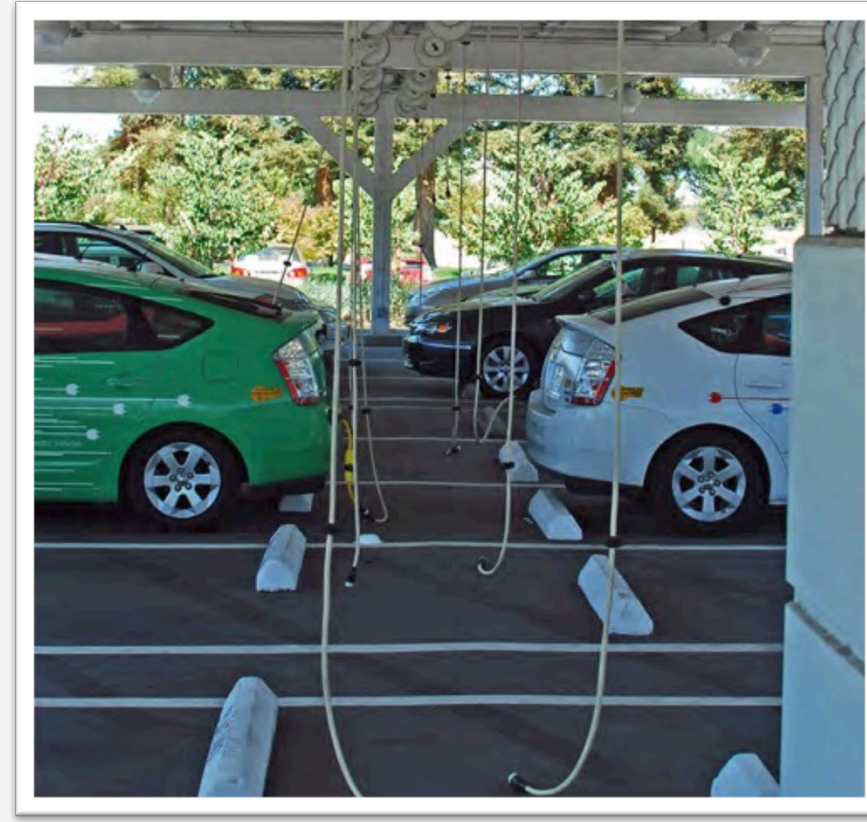
So What Should Communities Do?

Improve residential access to on-street charging.



So What Should Communities Do?

Support public, “semi-public” & workplace charging stations.



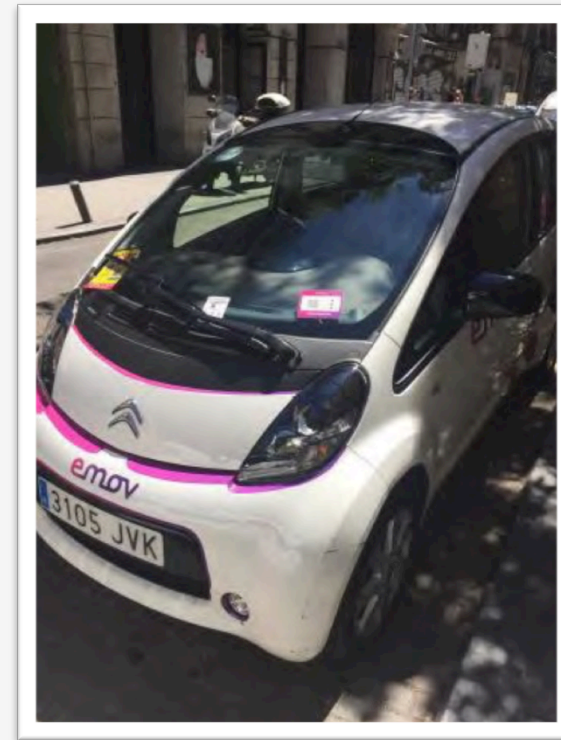
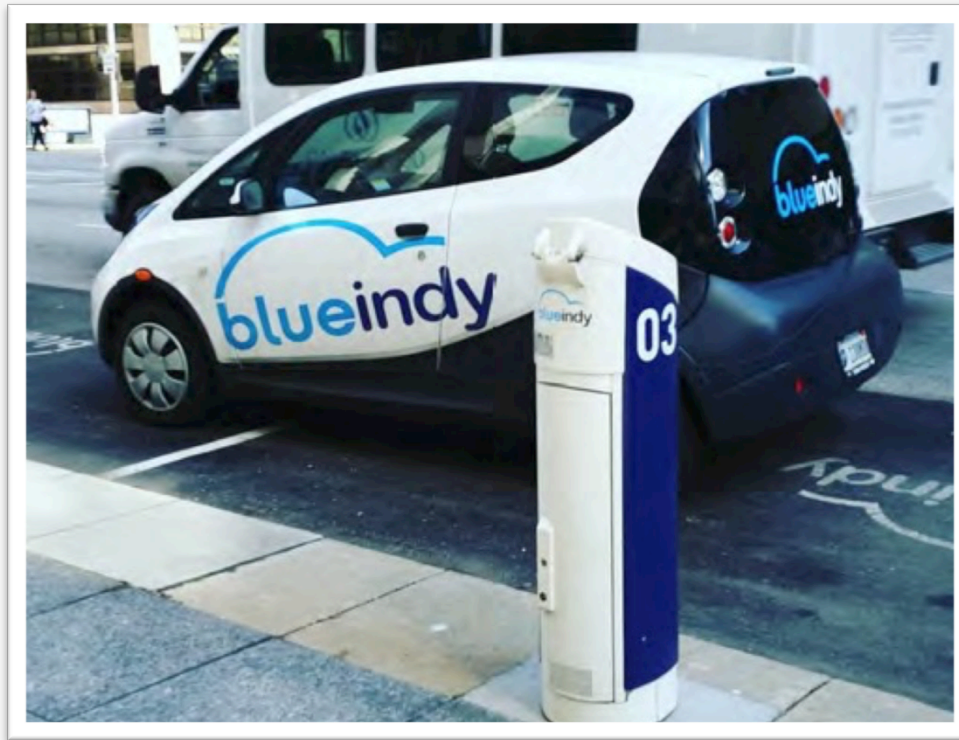
So What Should Communities Do?

Incentivize EV parking and charging, and reform parking policies.



So What Should Communities Do?

Encourage electric shared mobility options like carsharing, ridesharing and bikesharing.

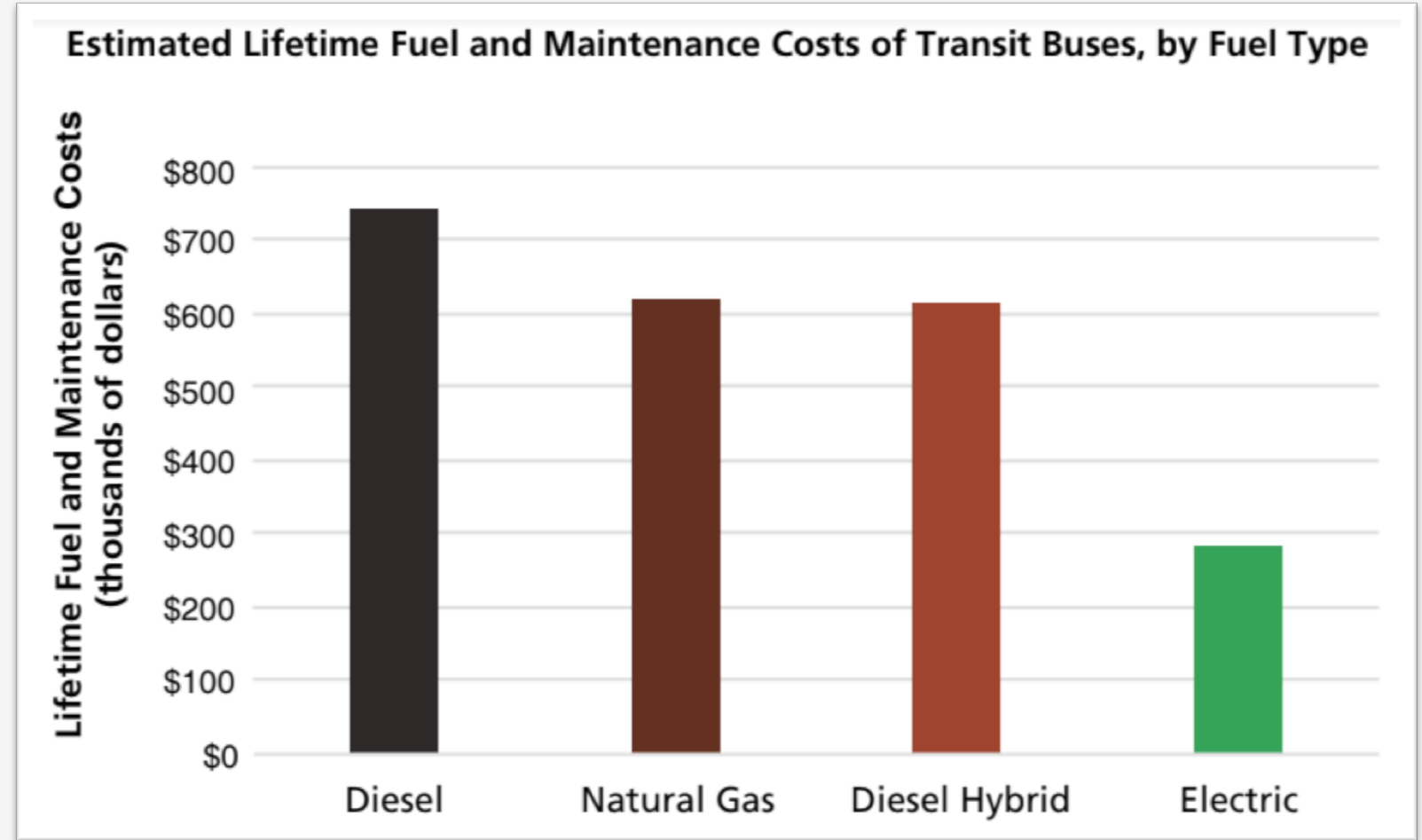
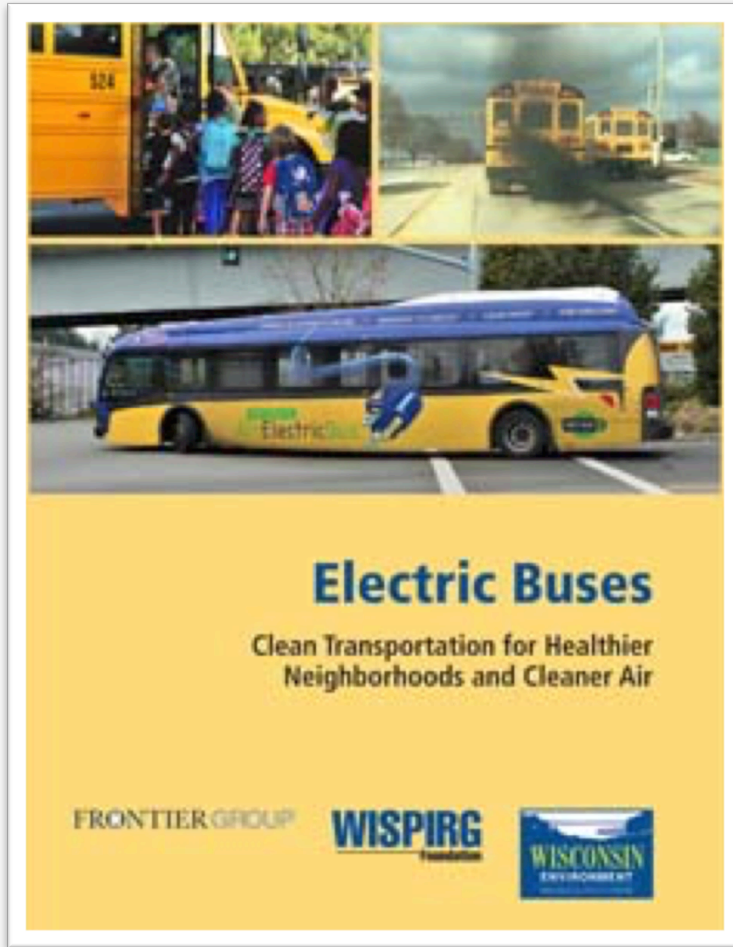


The Importance of Electric School & Transit Buses



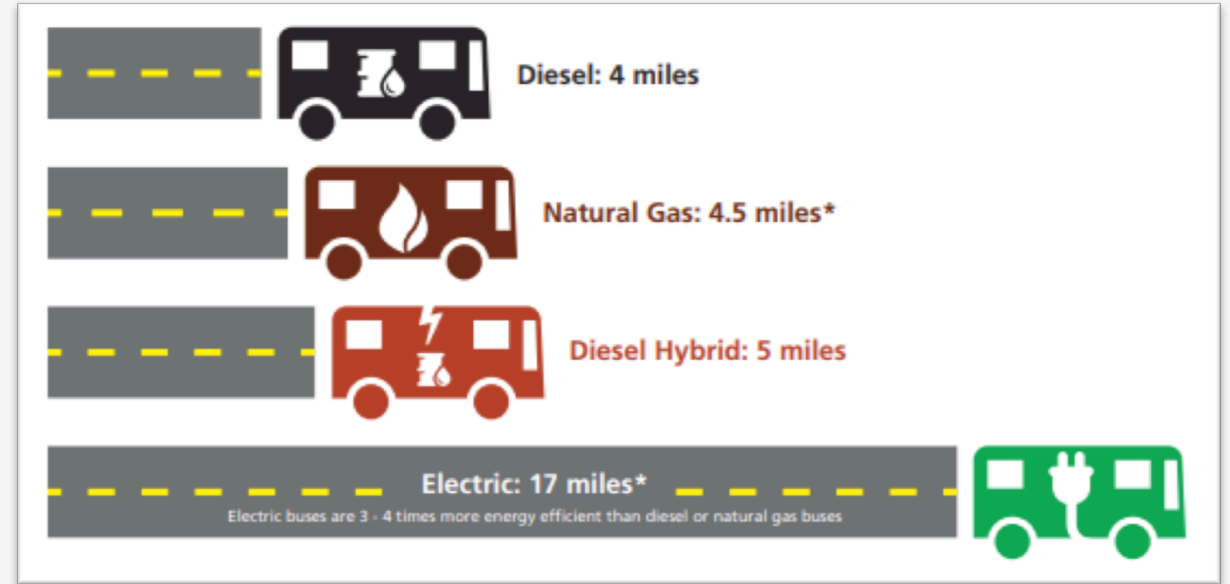
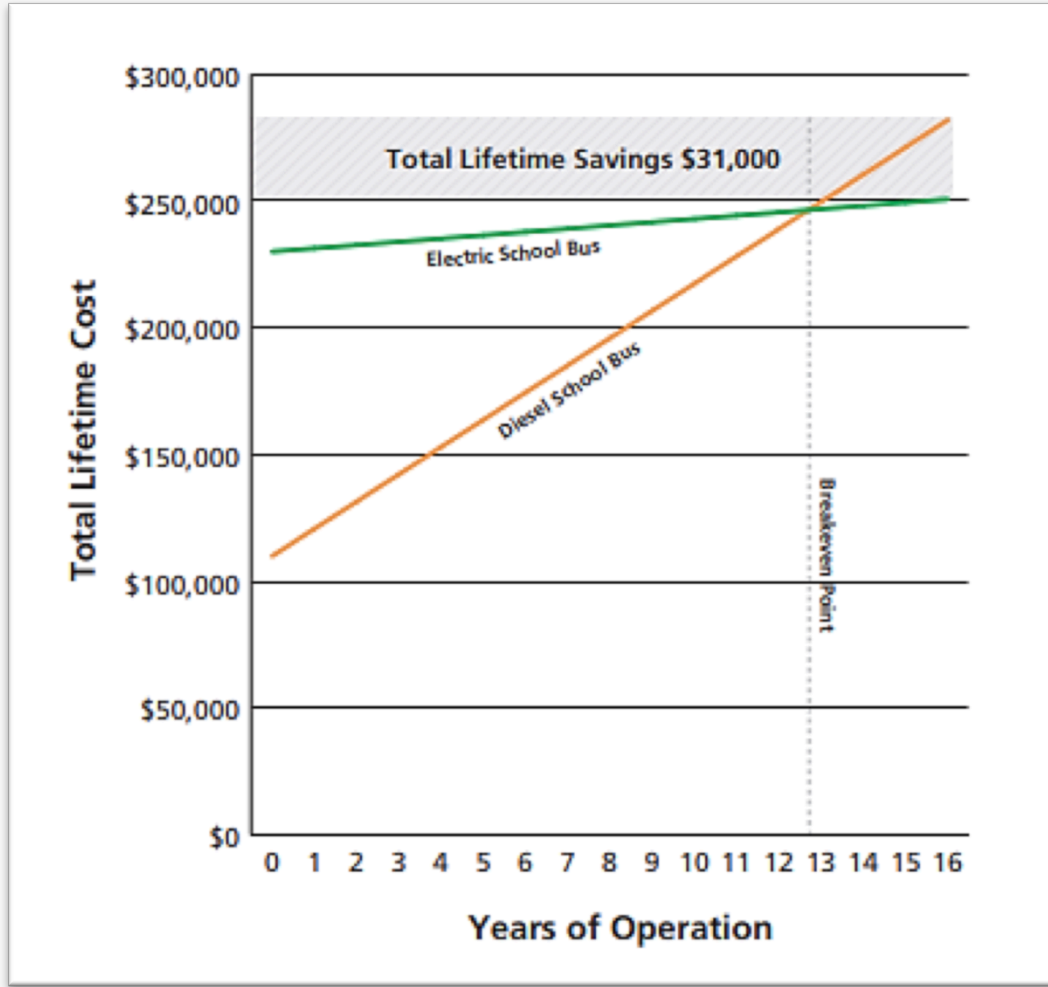
- **95% of U.S. school buses**, carrying some of the most vulnerable passengers, run on diesel.
- **More than 60% of U.S. transit buses** run on diesel, and another 18% run on natural gas.
- Only 0.2% of U.S. buses are all-electric.

All-Electric Buses Are Cleaner, Healthier, Often Cheaper



Source: California Air Resource Board, 2017.

All-Electric Buses Are Cleaner, Healthier, Often Cheaper



State leaders should use VW “Dieselgate” settlement funds to help transit agencies and school districts buy all-electric buses.

Electrification Alone Won't Fix Our Transportation System

To create a clean and effective 21st century transportation system for Wisconsin, we have to get people to **drive less**. That means:

- No new highway expansions
- More public transportation
- More active transportation (walking, biking etc.)
- Compact community development
- Smart pricing



The Road to Clean Transportation

A Bold, Broad Strategy to Cut Pollution and Reduce Carbon Emissions in the Midwest

FRONTIER GROUP



WISPIRG
Foundation



Peter Skopec

WISPIRG Director

(608) 268-1656

peter@wispirg.org