



TRANSPORTATION WORKSHOP (12/07/20)



- Linda McGinnis – Facilitator/Overview
- Dave Roberts (Drive Electric Vermont) - *EV Incentives*
- Samantha Hurt (Capstone) - *Mileage Smart*
- Jenn Wood (Green Mountain Transit) - *Transit Strategies*
- Sandy Bender (Local Motion) – *Bike/Ped*
- Linda McGinnis (Energy Action Network) – *Transportation Equity Proposals*

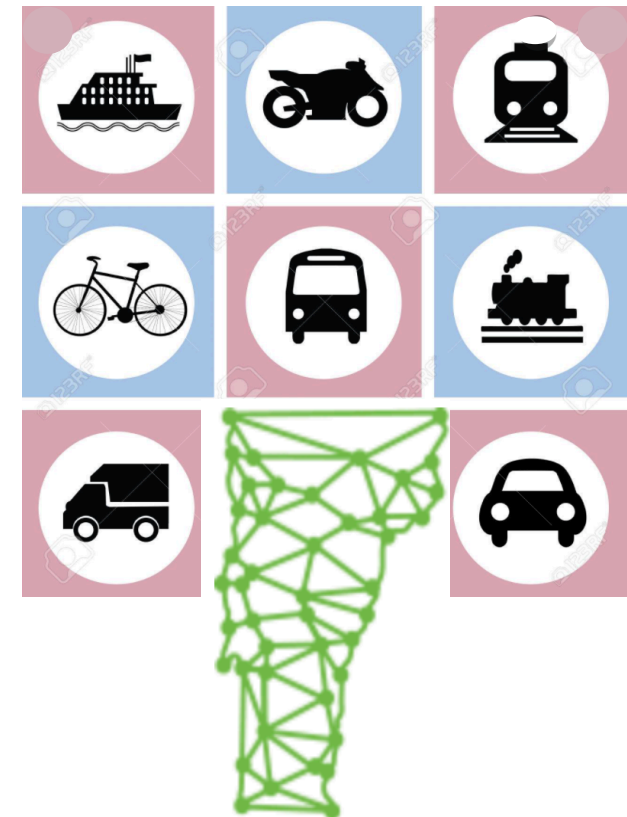


Transportation Sector Overview

Linda McGinnis, Sr Fellow
Energy Action Network

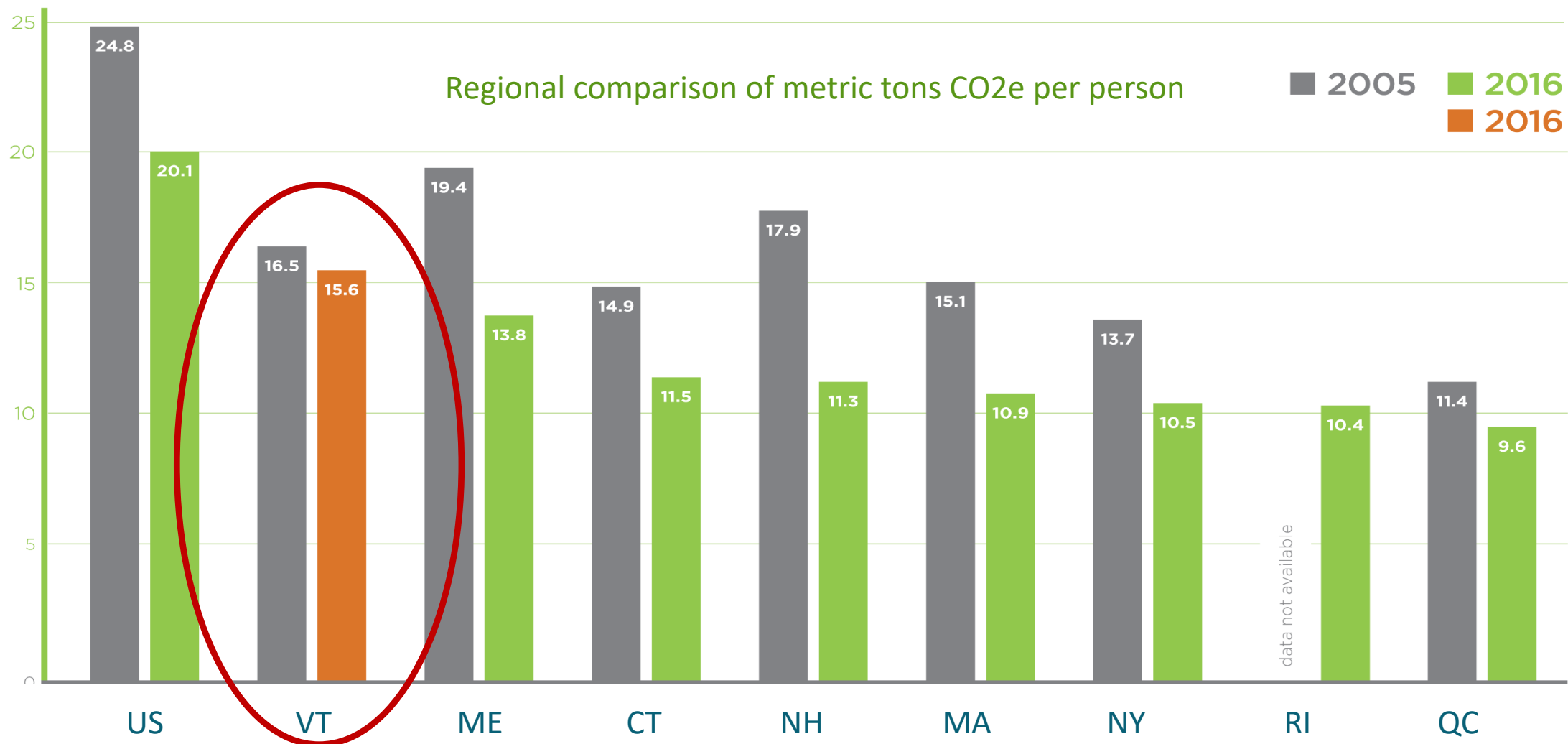


Transportation presents both
the *greatest challenge*
and
the *greatest opportunity*
for Vermont to reach its climate,
energy,
and energy equity goals



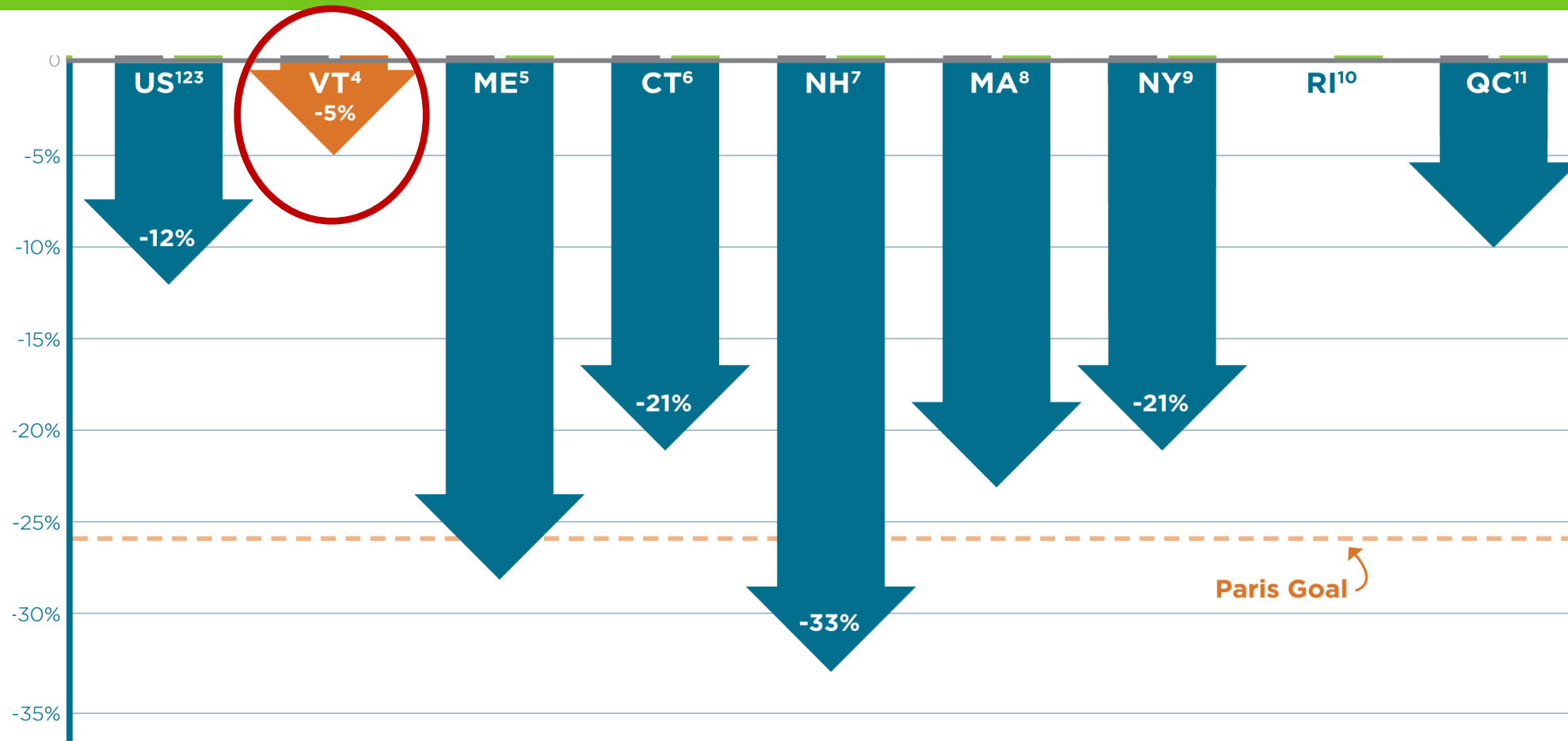


VT has highest per capita GHG emissions in the region





VT has least progress toward meeting Paris goals in region



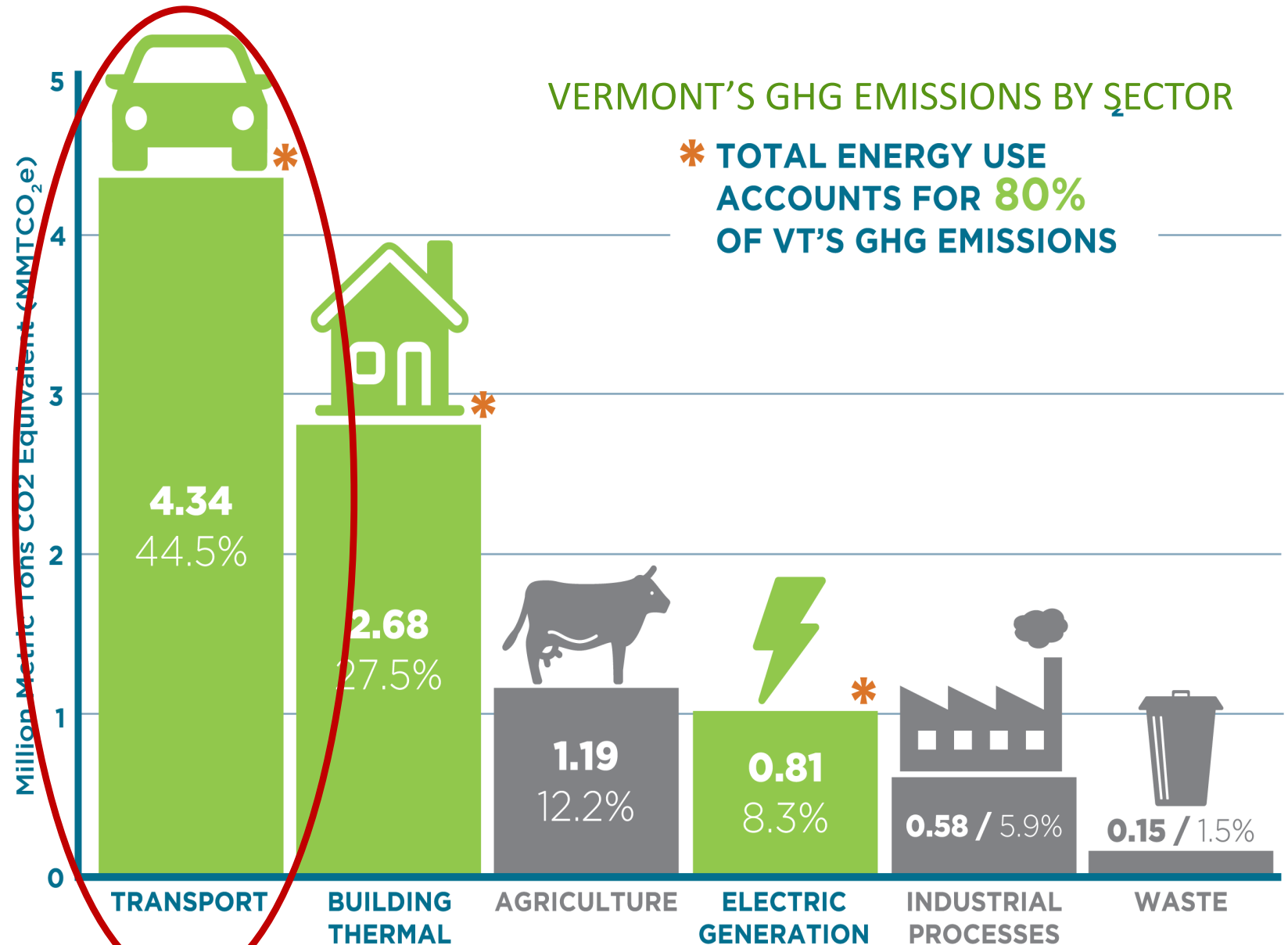
% decrease in overall GHG emissions
(2016, compared to 2005 levels)

Transportation is the sector with the highest share of total GHG emissions in Vermont (45%).

(US average is 29%)

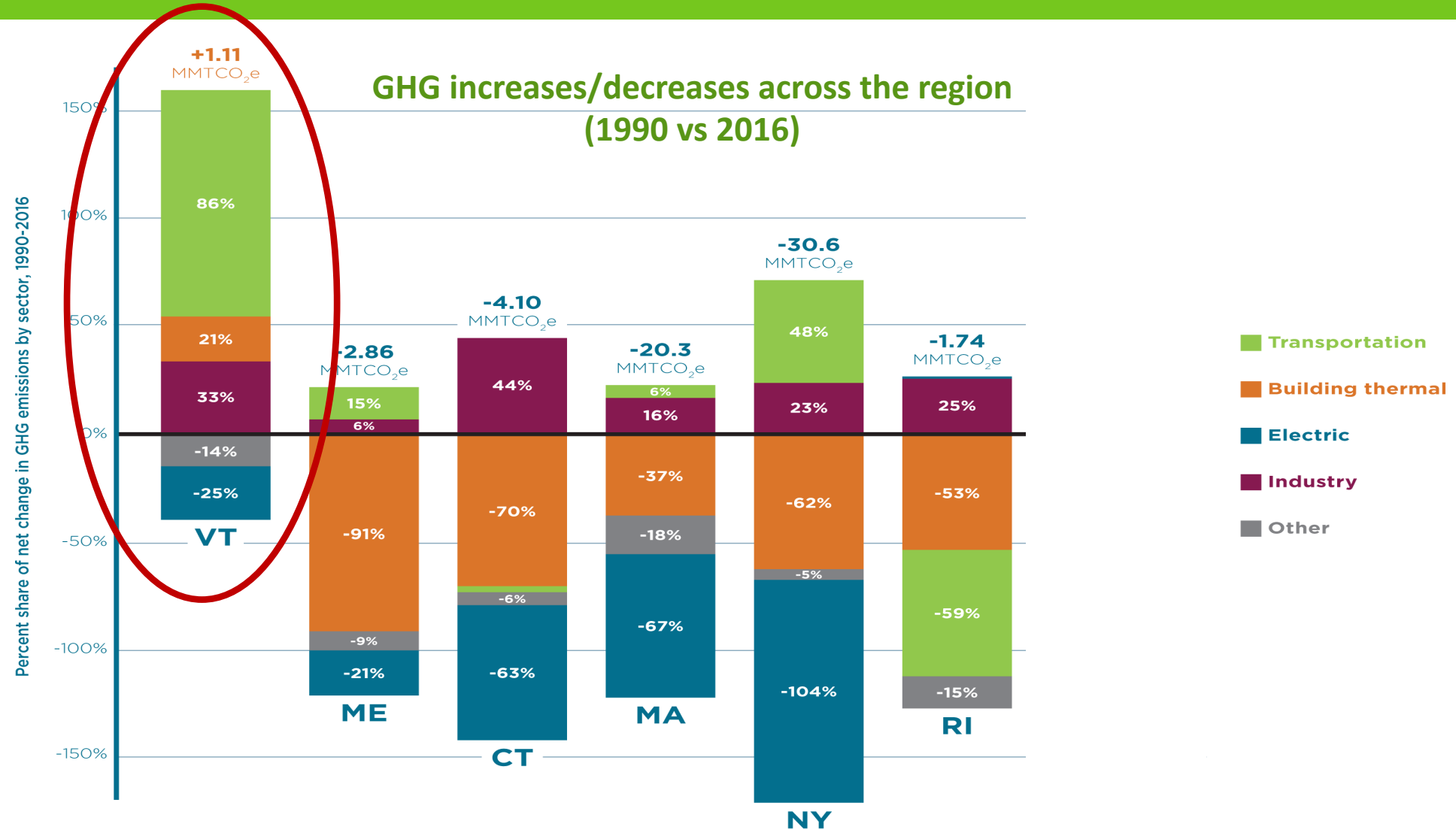
VERMONT'S GHG EMISSIONS BY SECTOR

* TOTAL ENERGY USE
ACCOUNTS FOR 80%
OF VT'S GHG EMISSIONS



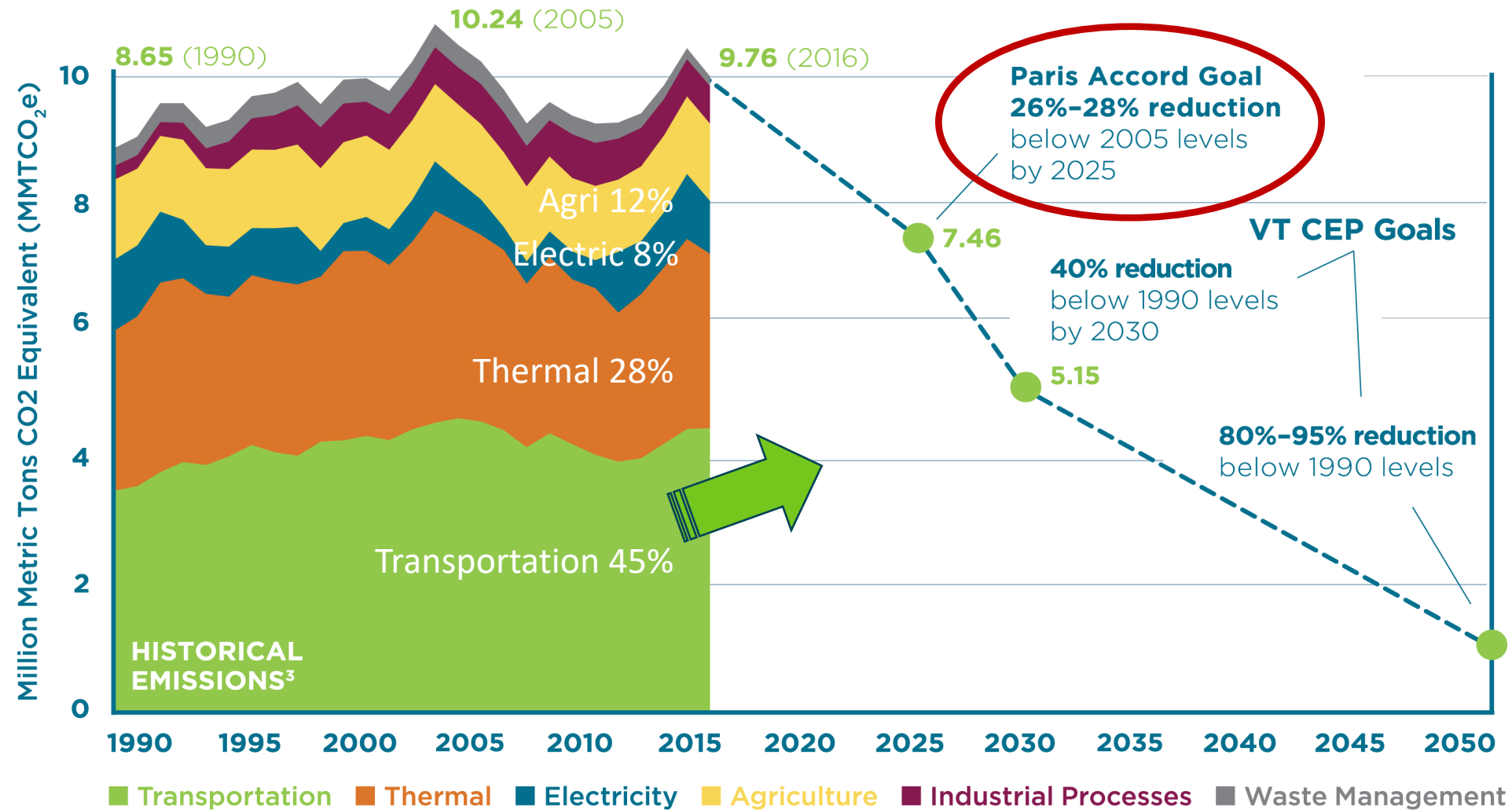


VT transportation emissions - moving in the wrong direction





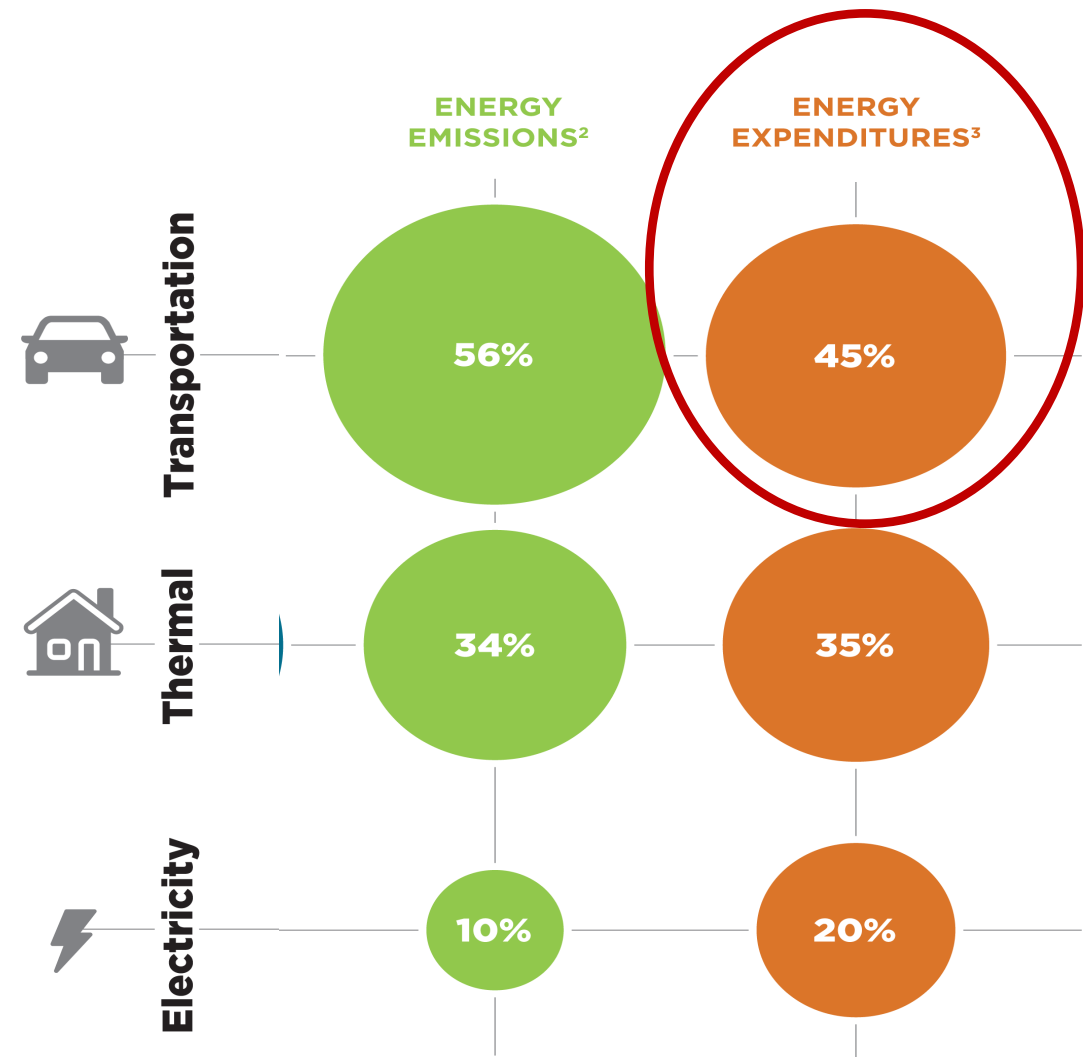
Transportation is key to reaching all climate goals, but has had the least policy attention





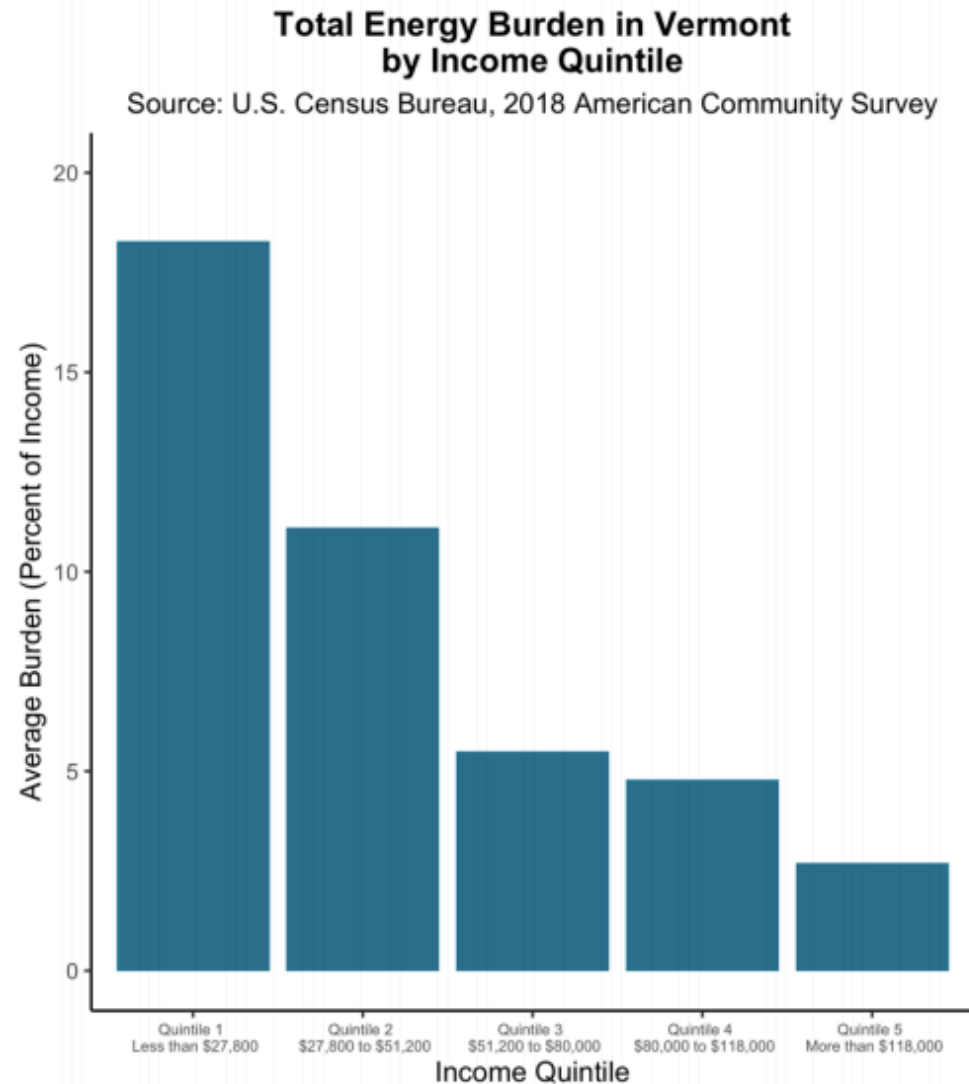
Energy Spending = Energy Burden

Transportation is also the most expensive sector for Vermonters' budgets with the biggest share of household energy spending (45%)





Energy Burden and Income Levels

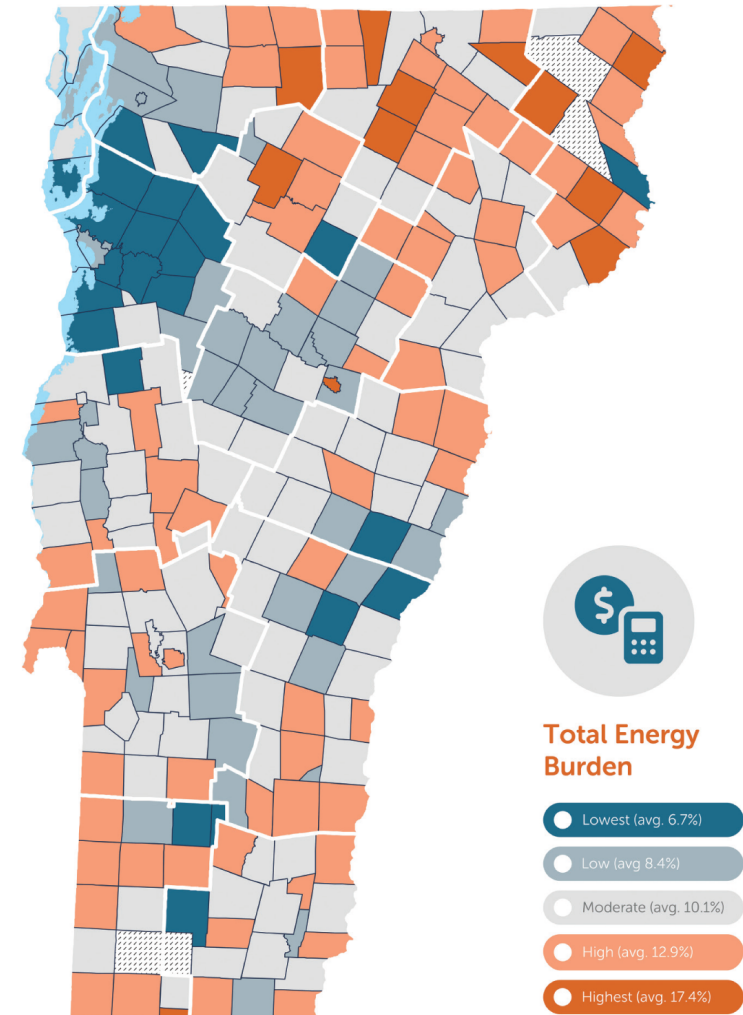


Lower-income Vermonters
suffer far more from
'energy burden',
spending a far greater
proportion of their income
on energy than do upper
income Vermonters



Energy Burden and Location

The highest energy burden in Vermont is often in areas where access to transit is the weakest, and the miles travelled to services and jobs is the greatest.



Source: Efficiency Vermont



The conversation on transportation has been backwards

The transition off fossil fuels is an economic development and affordability strategy for Vermont.

Rather than *"how much will it cost us?"*,
let's ask

"how much can we save?"

and

"how can we help more Vermonters transition?"



Download a copy: eanvt.org

**Request printed copies:
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**Questions:
jduval@eanvt.org**

Transportation Equity – New Policy Ideas

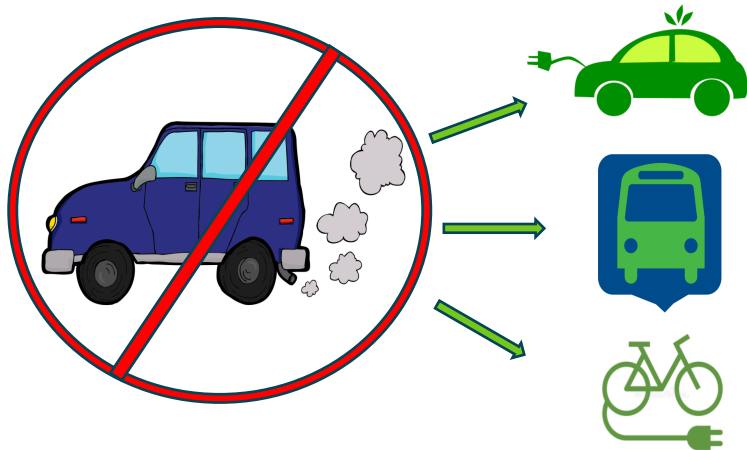


Linda McGinnis, Sr. Fellow – Energy Action Network
VECAN 2020 Conference 12/07/20



Transportation Equity – New Proposals

Replace Your Ride



GOAL

Help low-income Vermonters switch to clean transportation options affordably and accelerate GHG emissions reductions.

HOW?

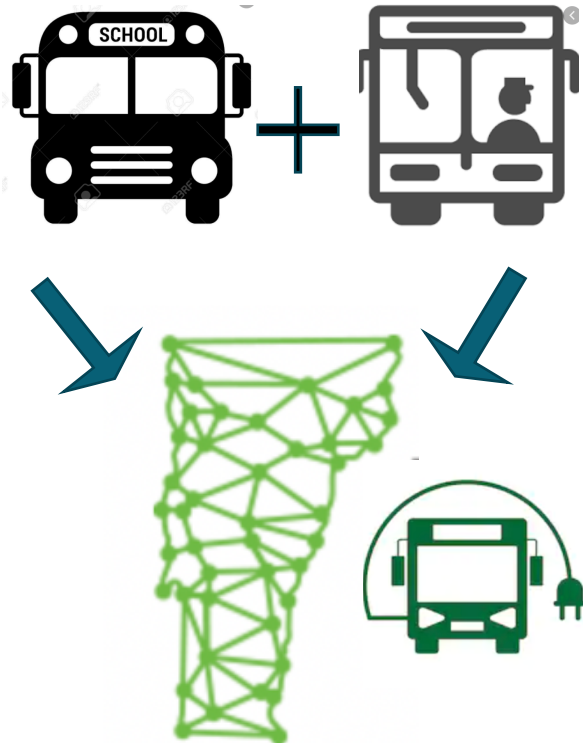
Offer of *cash incentives* to LMI Vermonters to

1. Scrap older high-polluting vehicles
2. Use incentive to choose from a range of clean transportation or shared-mobility options (e.g., new and used EVs, Transit vouchers, shared mobility vouchers, electric motorcycles/bikes)
3. **Stacked on top of existing incentives**



Transportation Equity – New Proposals

The Future of Rural Transit



GOAL

Prepare Vermont to have the most efficient, equitable, and cost-effective rural transportation system in the US for the post COVID-19 era.

HOW?

Combine public, medicaid, and school transportation into a single electrified public transportation system.

For more information on new policy proposals, visit:
eanvt.org

**To listen to the 5-minute pitches presented at EAN
Summit:**

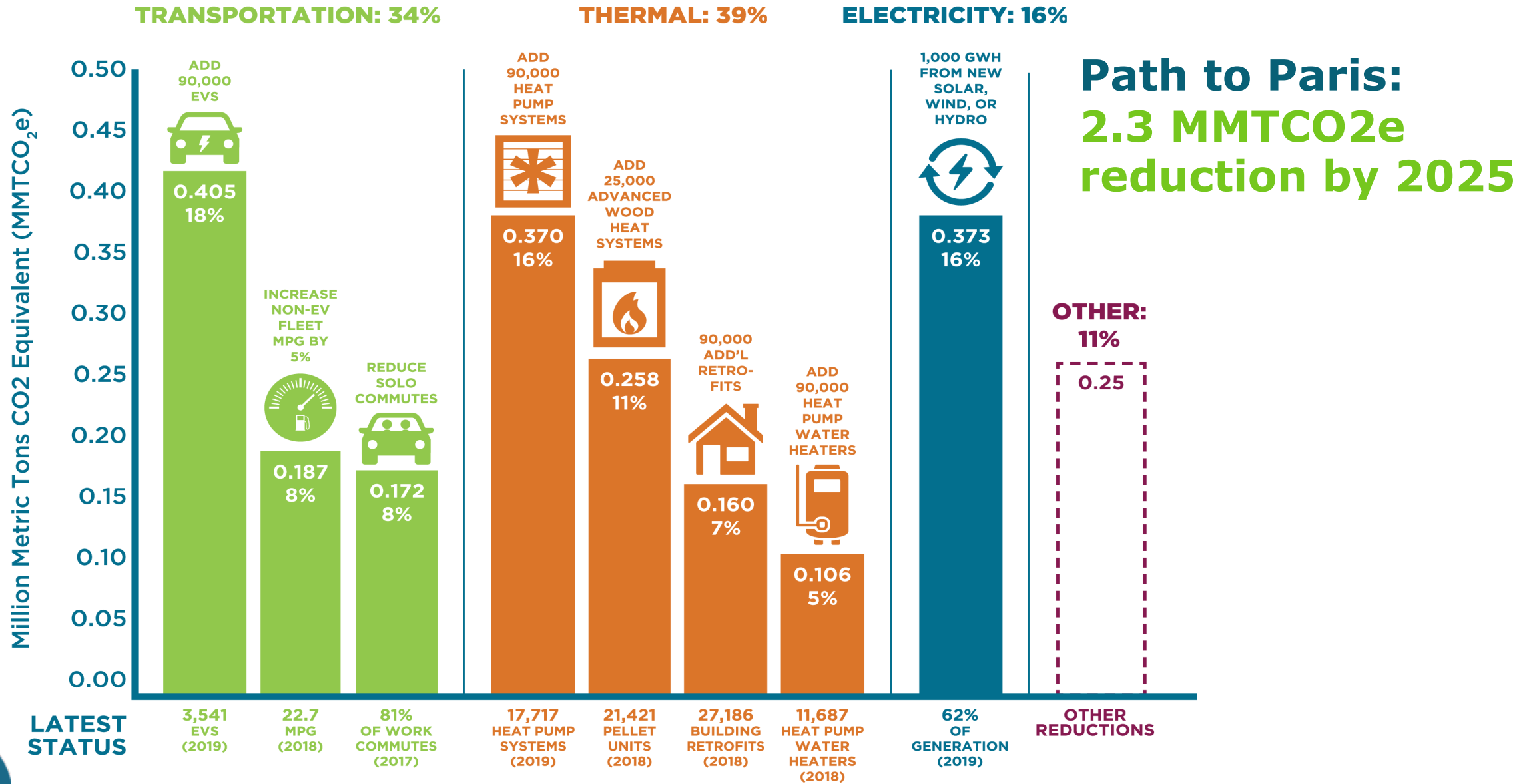
<https://www.eanvt.org/2020-ean-summit/transportation-pitches/>

Questions: jduval@eanvt.org

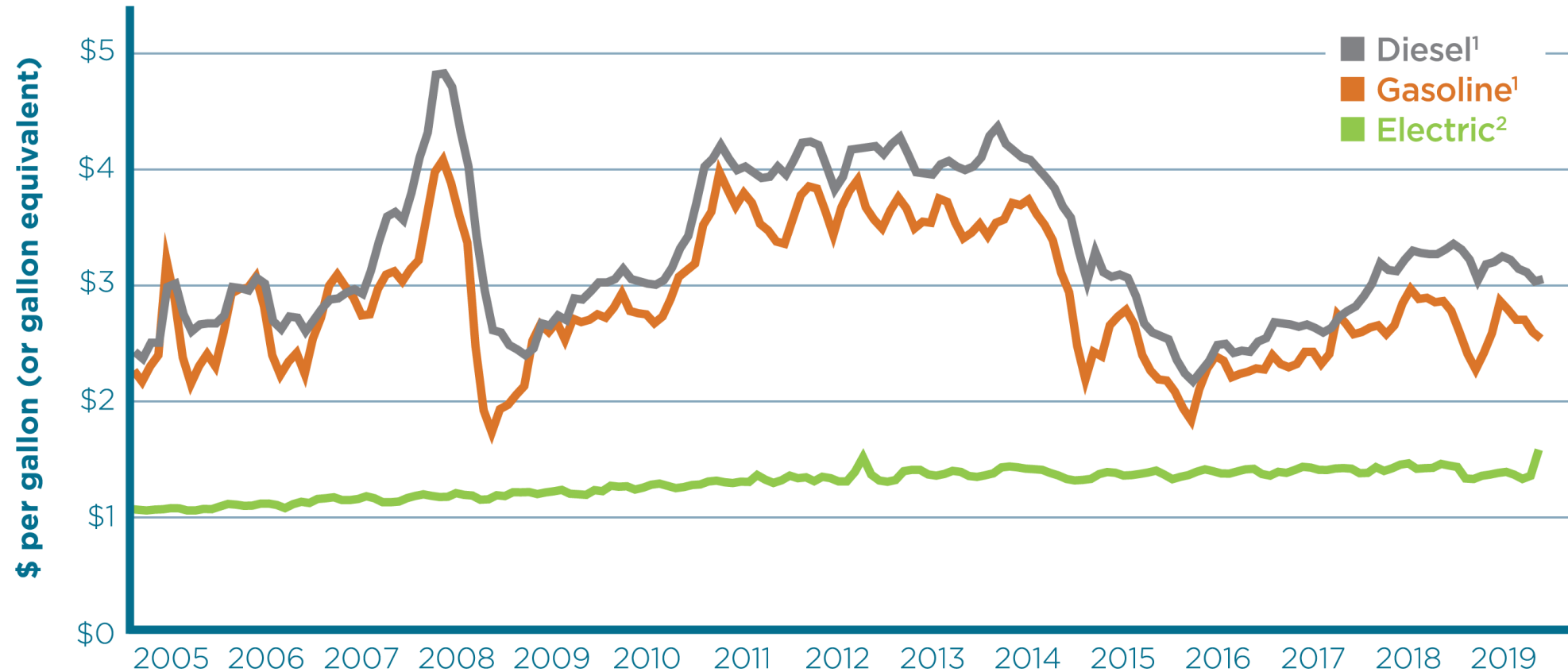




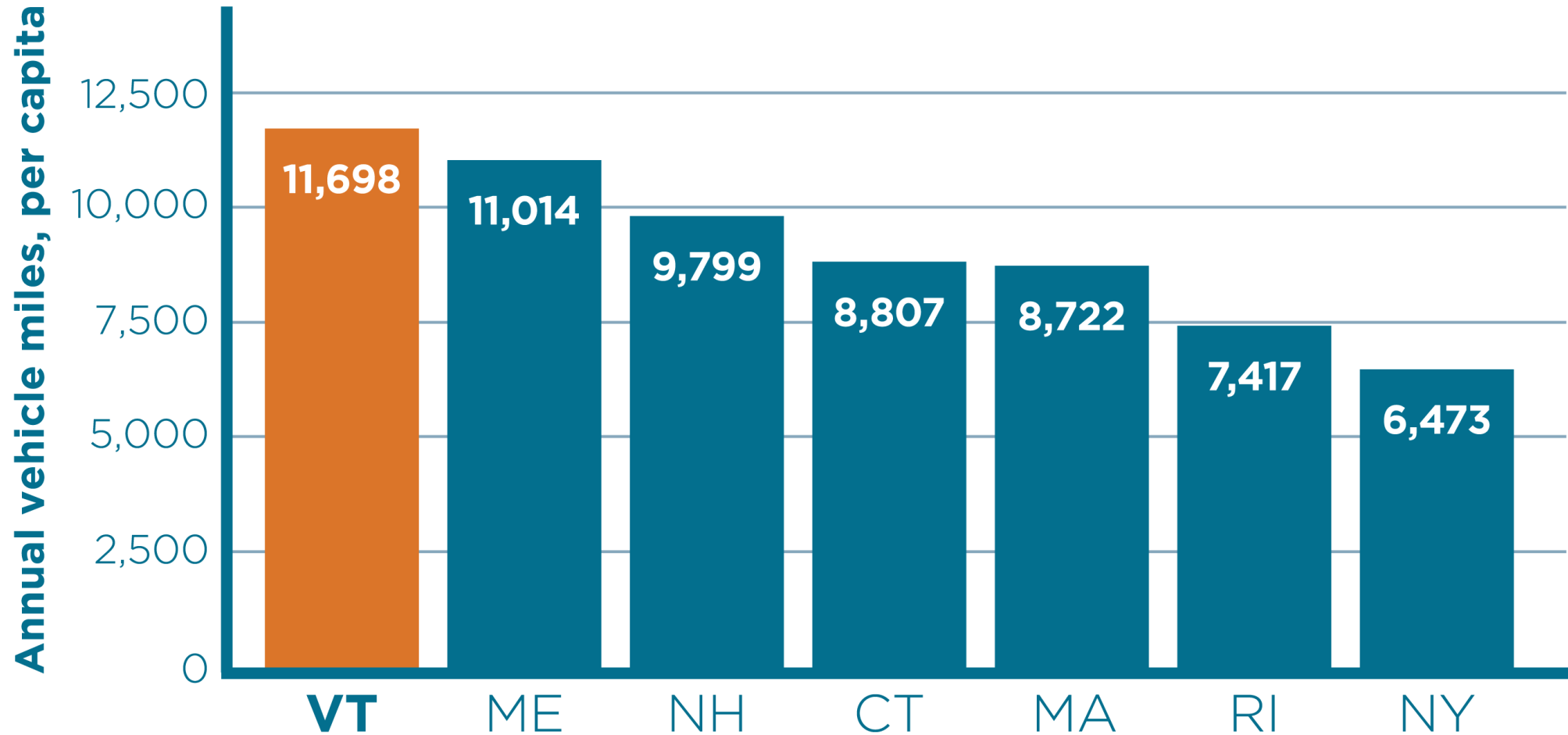
Additional slides – For Information



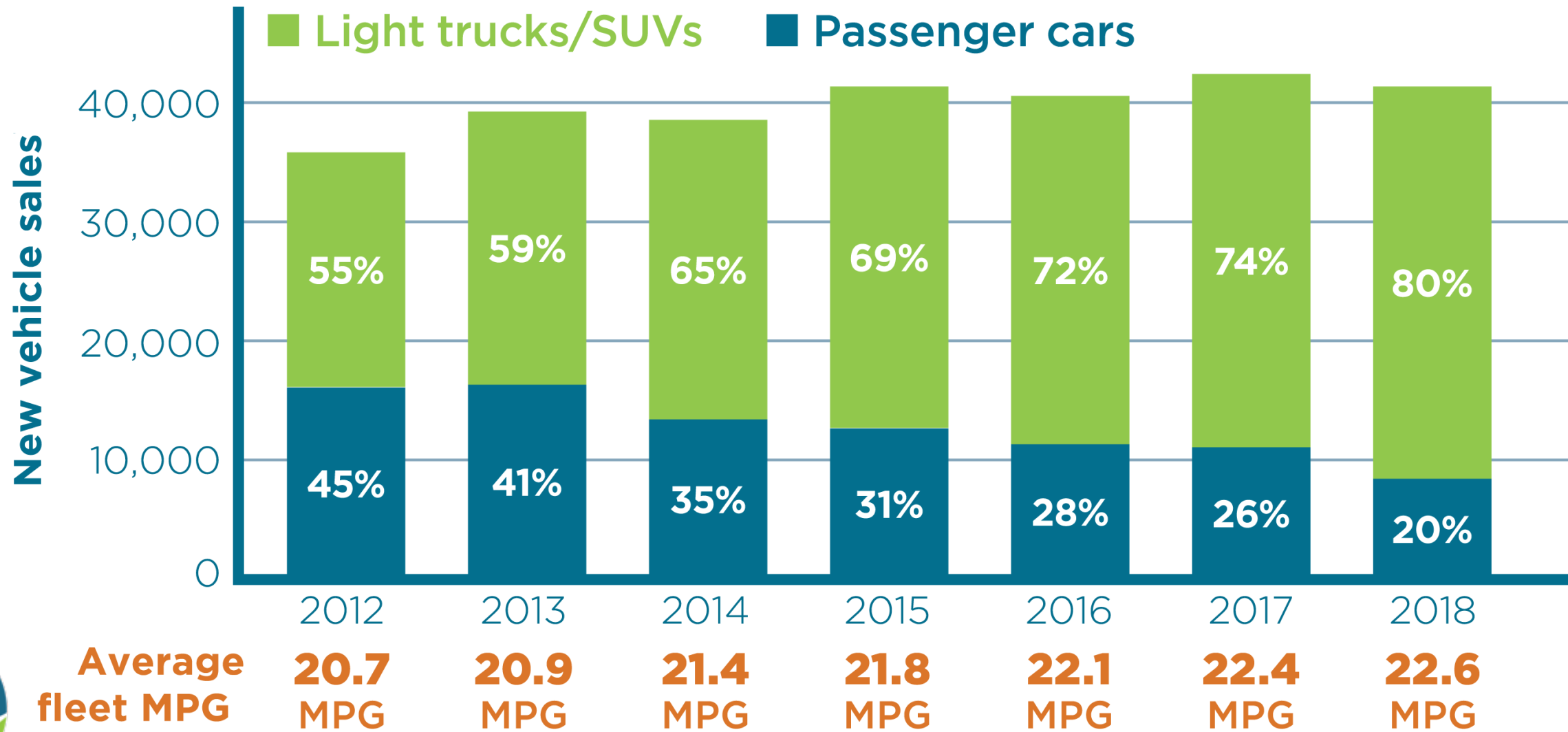
Electric vehicles are less expensive to drive than gas vehicles



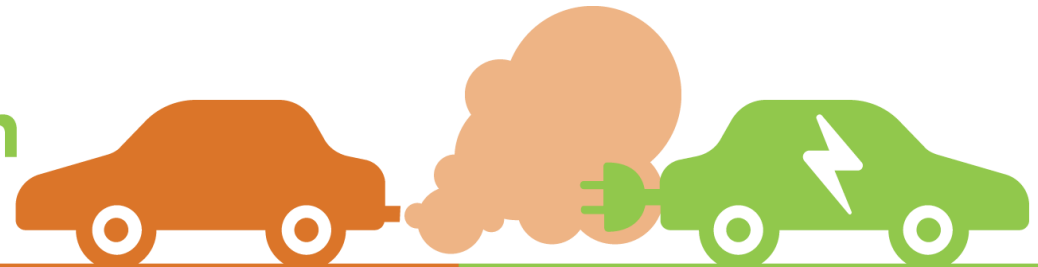
Vehicle miles traveled per capita, 2015



As cars get more efficient, we're buying bigger cars



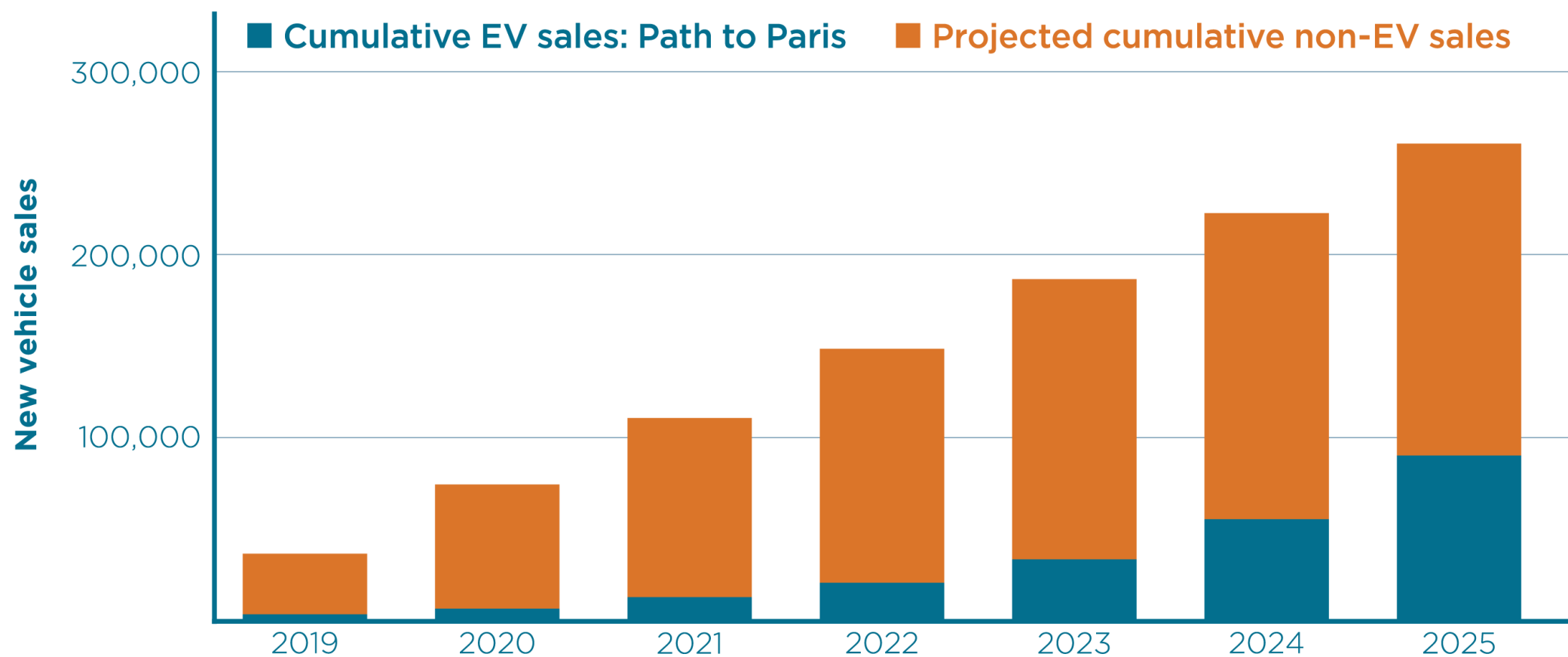
Gas vs. EV cost comparison over 150,000 miles



	GAS VEHICLE	ELECTRIC VEHICLE
Fuel	\$17,585	\$9,164
Oil Changes & Filter Replacement	\$900	None
Tire Changes	\$600	\$600
Engine Air Filter Replacements	\$207	None
Cabin Air Filter Replacements	\$273	\$273
Spark Plug Replacements	\$439	None
Coolant Flush and Replacement	\$110	\$110

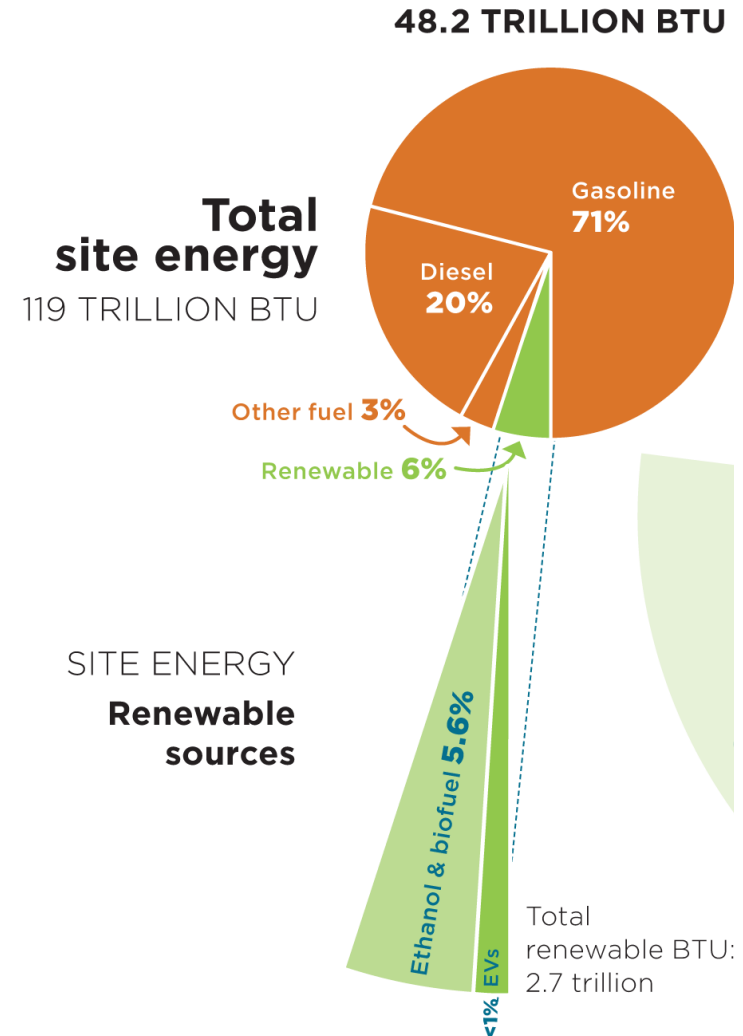


EVs need to make up at least a third of new vehicles sold through 2025



Transportation
is 94% NON-renewable

And only 1% electric



1. Energy Information Administration. 2019. 2. Department of Public Serv
of heat pumps and electric resistance heat. Heat pumps are significantly

