



Ohio DOT Revenue Alternatives Study

Graphics

June 1, 2022

**CDM
Smith**

Ohio Department of Transportation



External Advisory Committee

Public Outreach

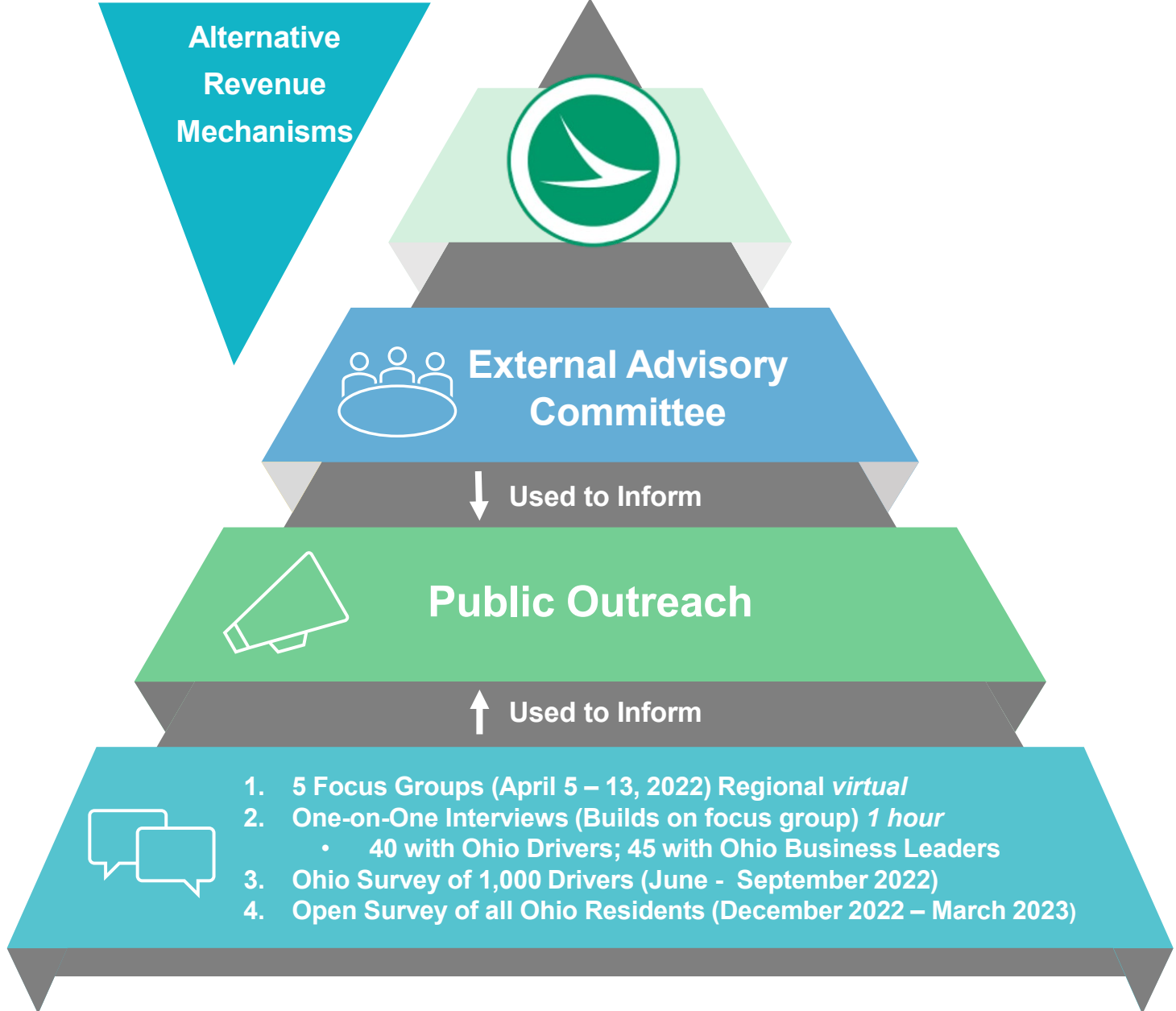
Public Opinion Research (4 Waves)

- 5 Focus Groups (April 5 – 13, 2022) Regional (Virtual)
- One-on-One Interviews (Builds on focus group) (1 hour)
 - 40 with Ohio Drivers
 - 45 with Ohio Business Leaders
- Ohio Survey of 1,000 Drivers (June - September 2022)
- Open Survey of all Ohio Residents (Dec 2022 – March 2023)

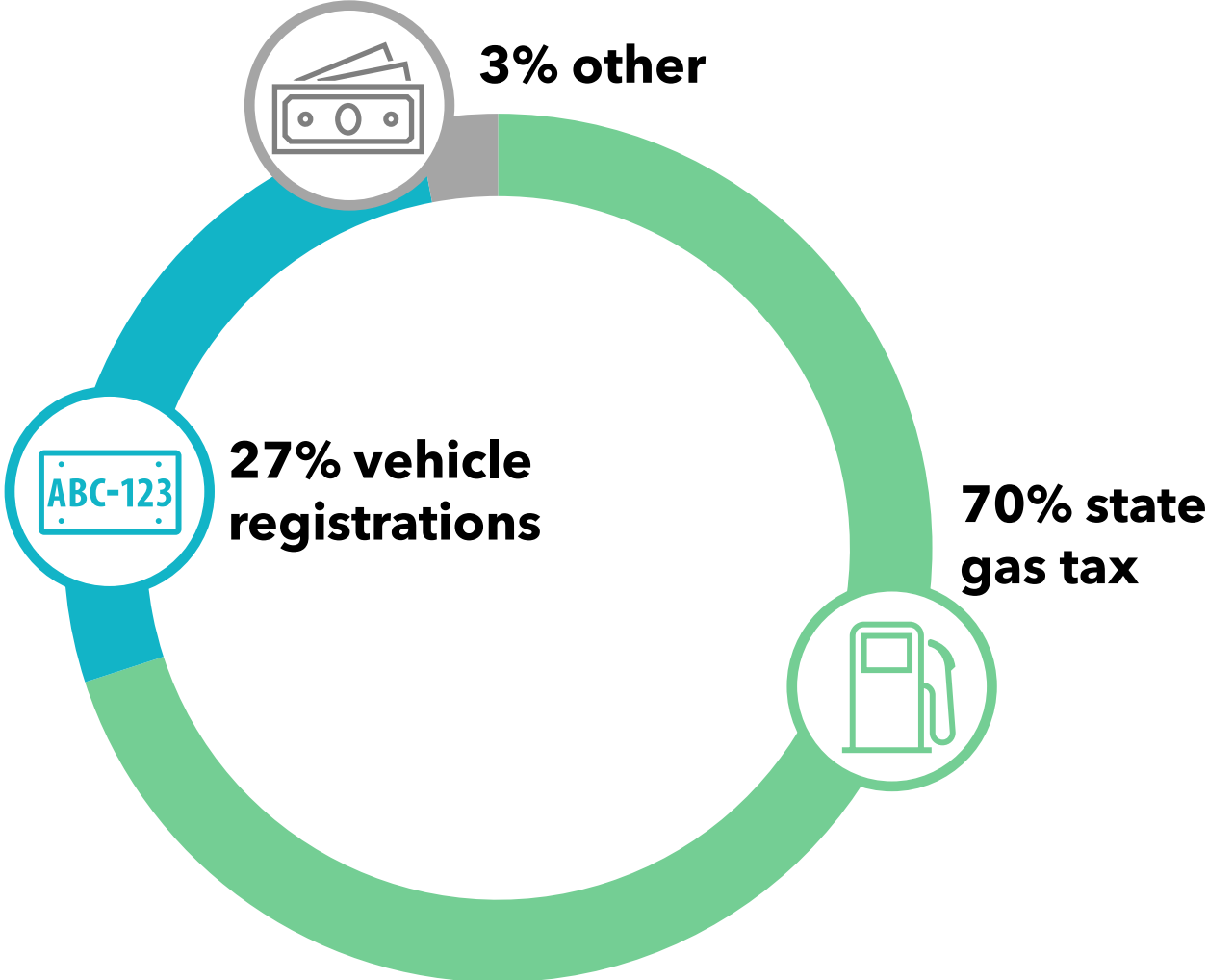
↓ Used to Inform

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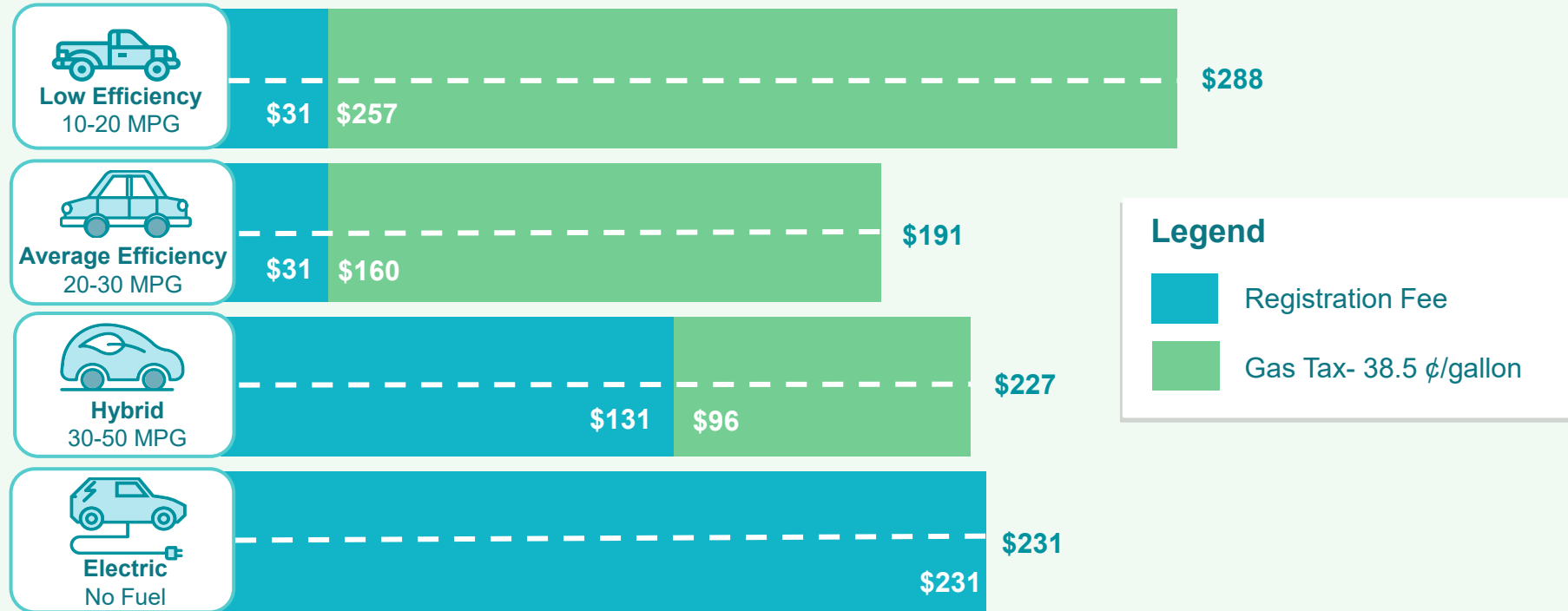




Current Transportation Funding Sources



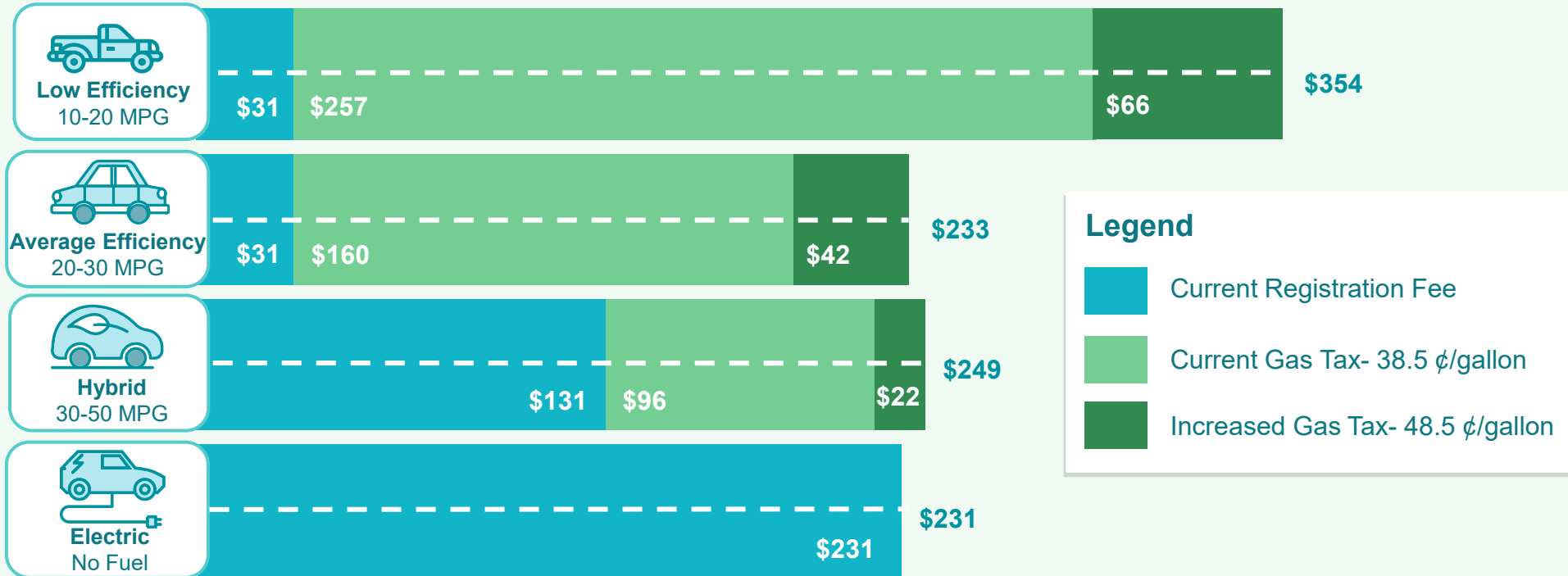
How much do I contribute to transportation funding annually?



Based on an estimate of 10,000 miles driven in one year

Note: This graphic represents transportation funding contributions for passenger vehicles only. Heavy trucks contribute to transportation funding through state taxes on diesel (47 cents/gallon) as well as additional fees specific to heavy vehicles such as the Heavy Vehicle Use Tax, the Federal Excise Tax, Federal Tire Tax, Weight Distance Tax (in applicable states), and Unified Carrier Registration (varies by fleet size).

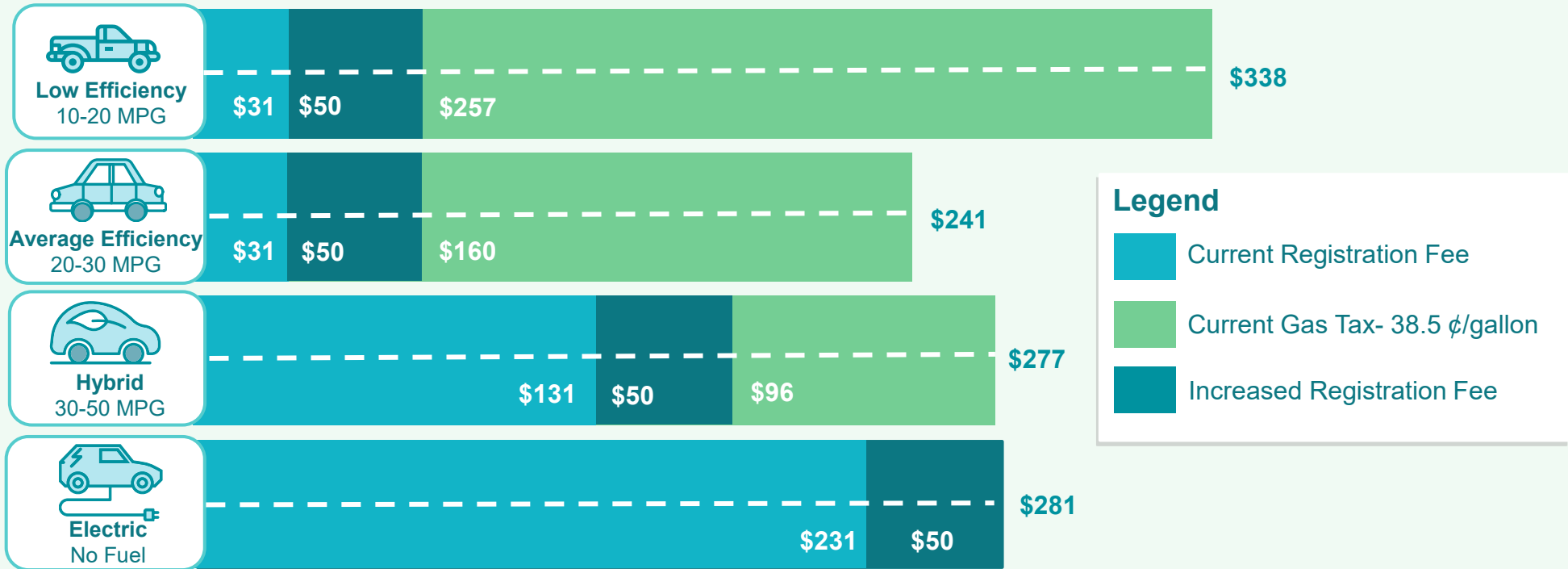
Funding Option: Increase State Fuel Tax (Annual)



Based on an estimate of 10,000 miles driven in one year

Note: Assumes drivers continue to pay the vehicle registration fees of \$31 for all passenger vehicles and an additional \$100 for hybrid vehicles and \$200 for electric vehicles

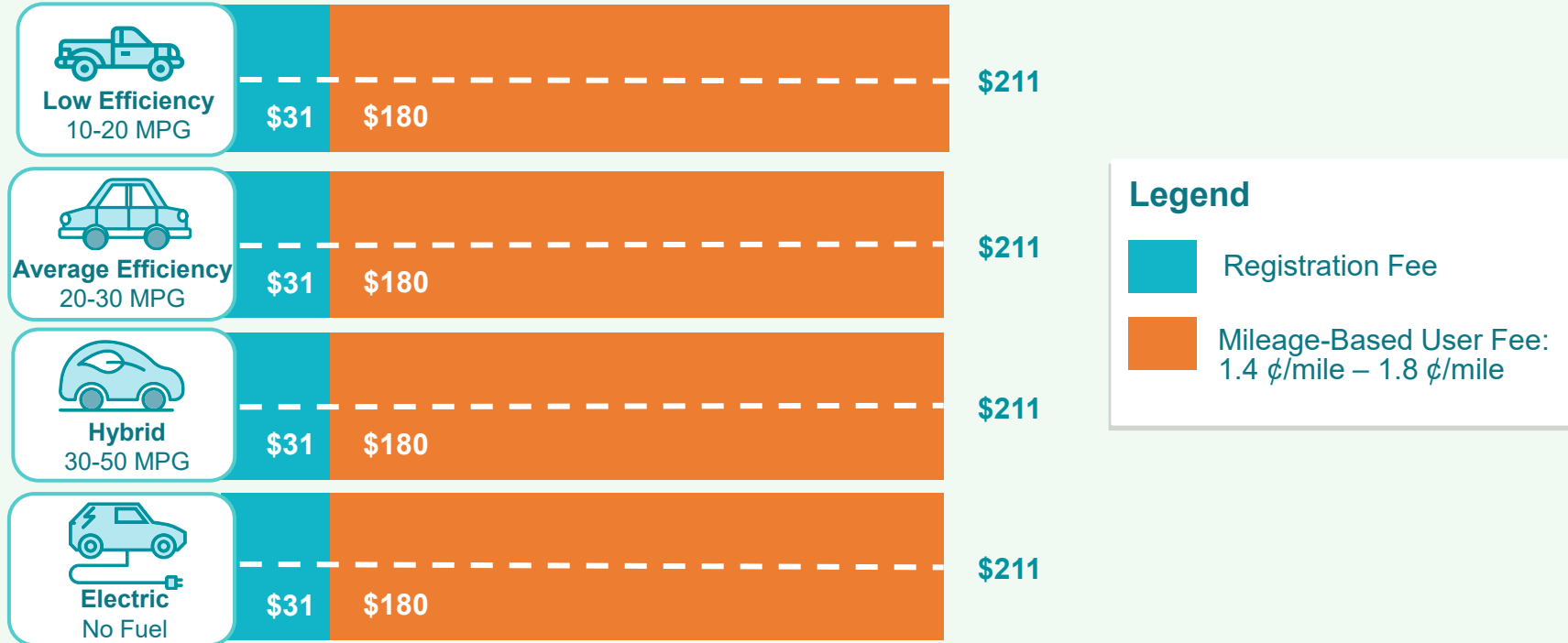
Funding Option: Increase Flat Annual Registration Fees on All Vehicles (Annual)



Based on an estimate of 10,000 miles driven in one year

Note: Assumes vehicles that consume gas or diesel would continue to pay the state fuel tax at the existing rate of 38.5 cents/gallon for gas or 47 cents/gallon for diesel.

Funding Option: Implement Fees Based on Miles Driven

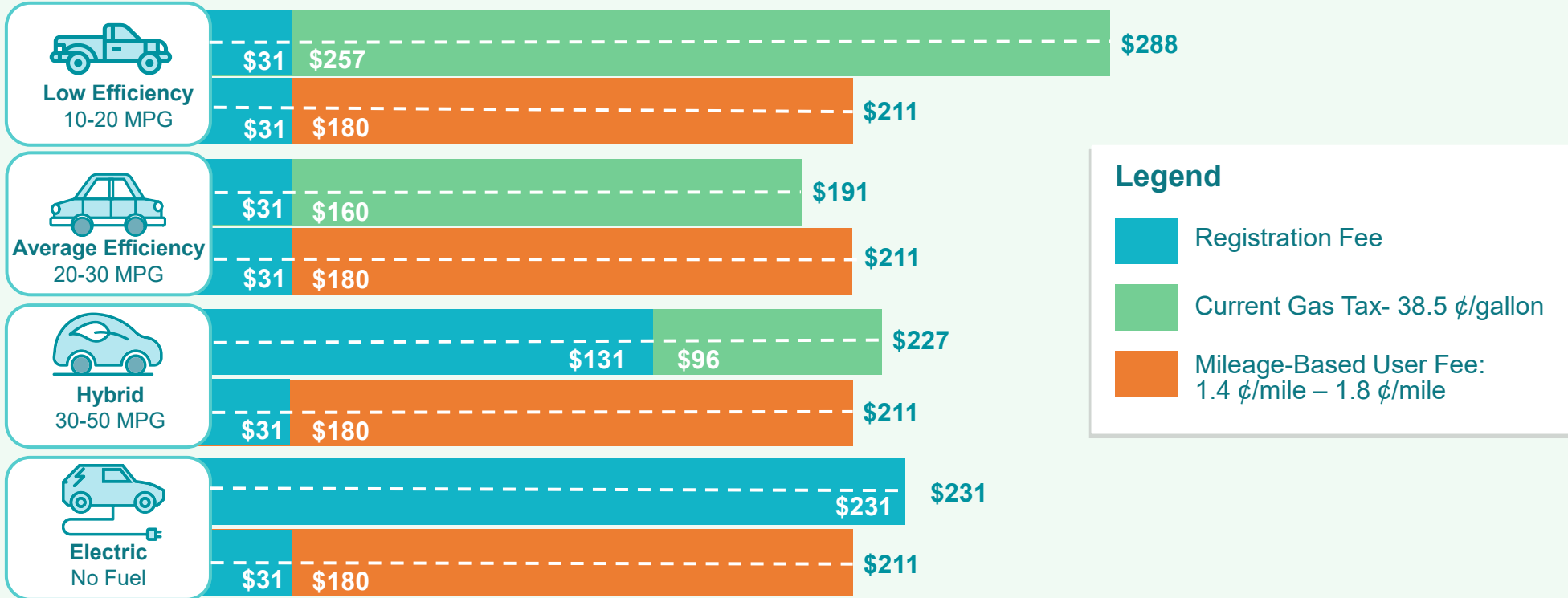


Based on an estimate of 10,000 miles driven in one year

Note: Assumes MBUF replaces the state's fuel tax and hybrid and EV registration surcharges, but passenger vehicles would continue to pay the \$31 vehicle registration fee.

The MBUF rates shown are for illustrative purposes only and should not be construed as a policy decision on rates. For the purposes of this analysis, the MBUF rate is equivalent to what the average Ohio light-vehicle driver currently pays in gas tax. MBUF rates would ultimately be set by the legislature.

Comparison of Current Funding Structure vs. Mileage-Based User Fee Funding Structure

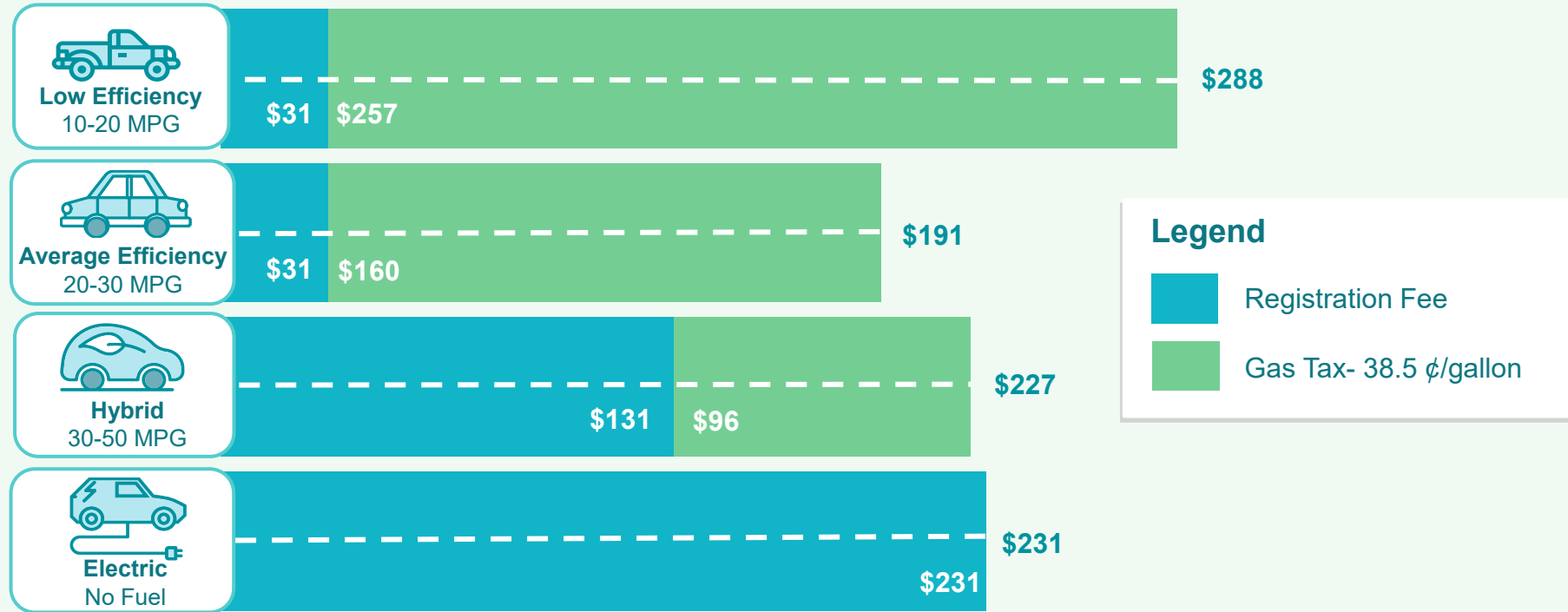


Based on an estimate of 12,000 miles driven in one year

Note: Assumes MBUF replaces the state's fuel tax and hybrid and EV registration surcharges, but passenger vehicles would continue to pay the \$31 vehicle registration fee.

The MBUF rates shown are for illustrative purposes only and should not be construed as a policy decision on rates. For the purposes of this analysis, the MBUF rate is equivalent to what the average Ohio light-vehicle driver currently pays in gas tax. MBUF rates would ultimately be set by the legislature.

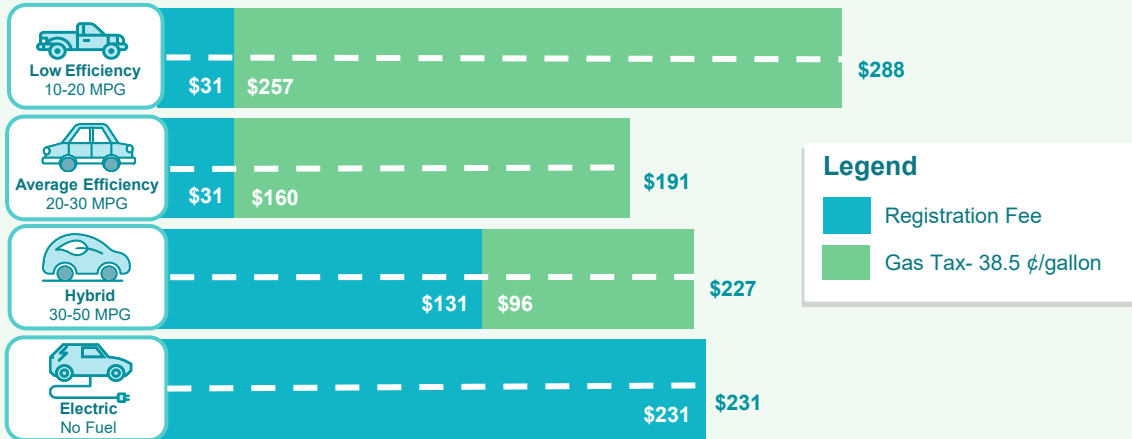
Funding Option: Current



Based on an estimate of 10,000 miles driven in one year

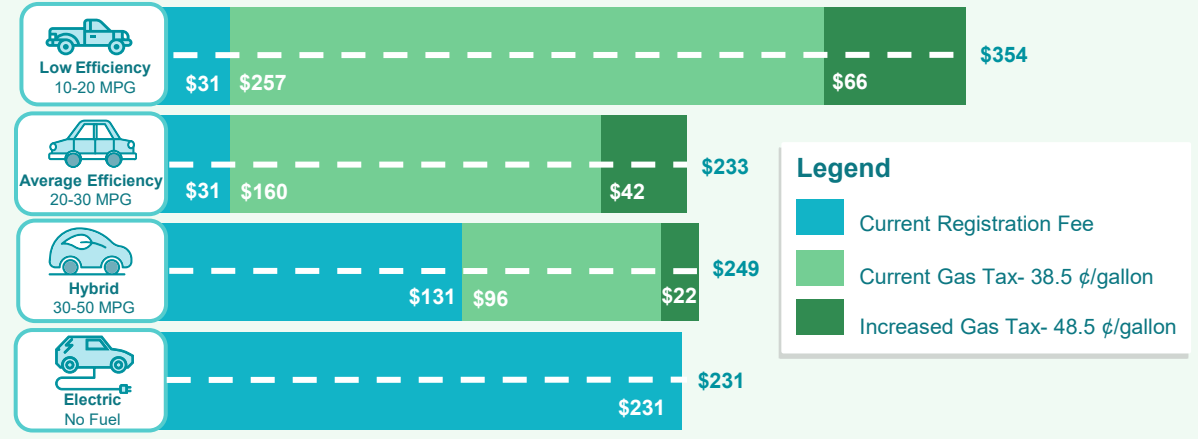
Note: This graphic represents transportation funding contributions for passenger vehicles only. Heavy trucks contribute to transportation funding through state taxes on diesel (47 cents/gallon) as well as additional fees specific to heavy vehicles such as the Heavy Vehicle Use Tax, the Federal Excise Tax, Federal Tire Tax, Weight Distance Tax (in applicable states), and Unified Carrier Registration (varies by fleet size).

Funding Option: Current



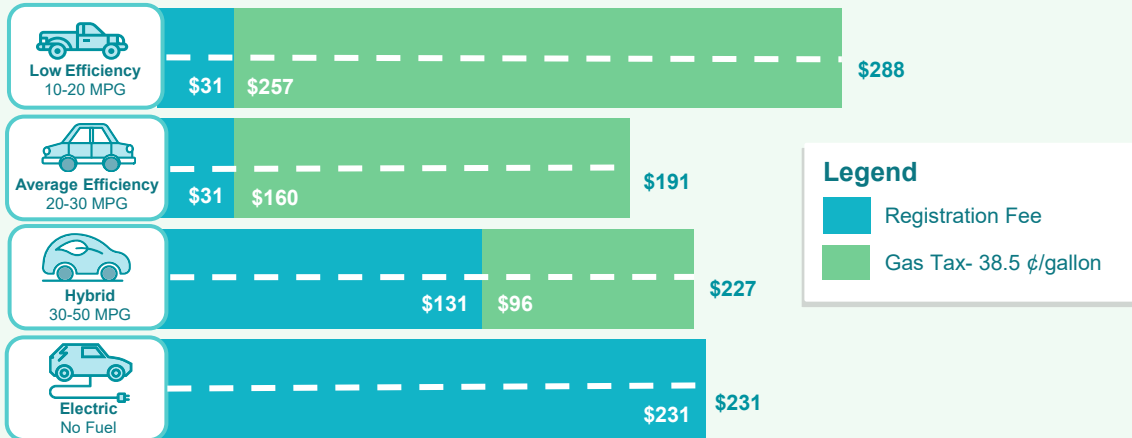
Based on an estimate of 10,000 miles driven in one year

Funding Option: Increase State Fuel Tax (Annual)



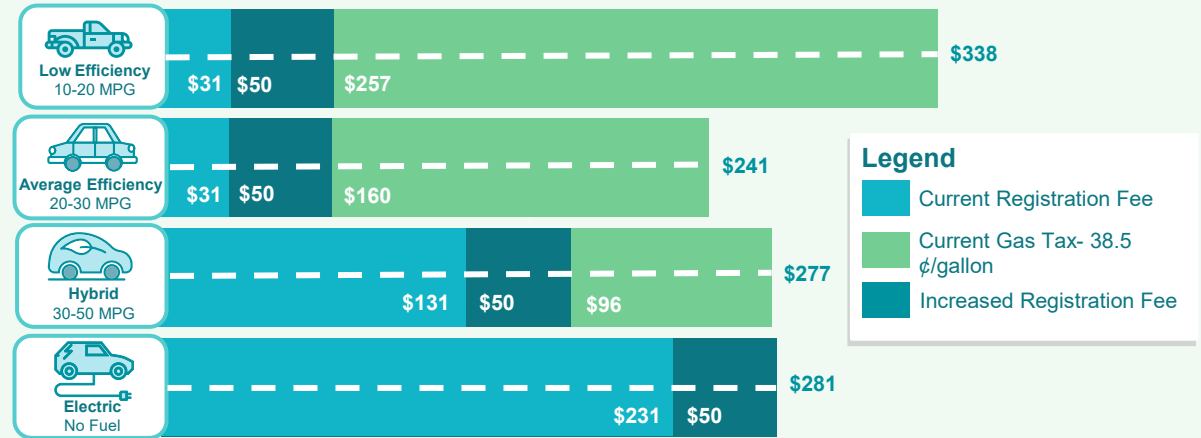
Based on an estimate of 10,000 miles driven in one year

Funding Option: Current



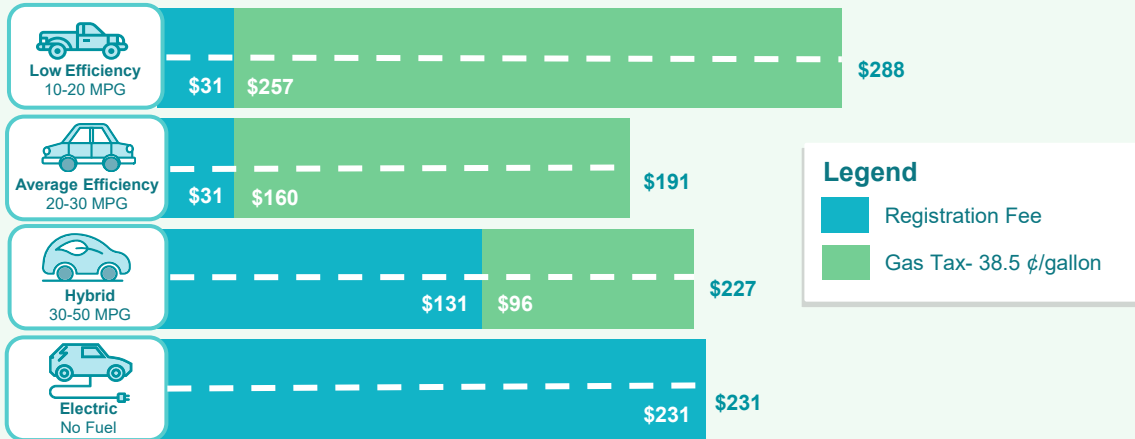
Based on an estimate of 10,000 miles driven in one year

Funding Option: Increase Flat Annual Registration Fees on All Vehicles (Annual)



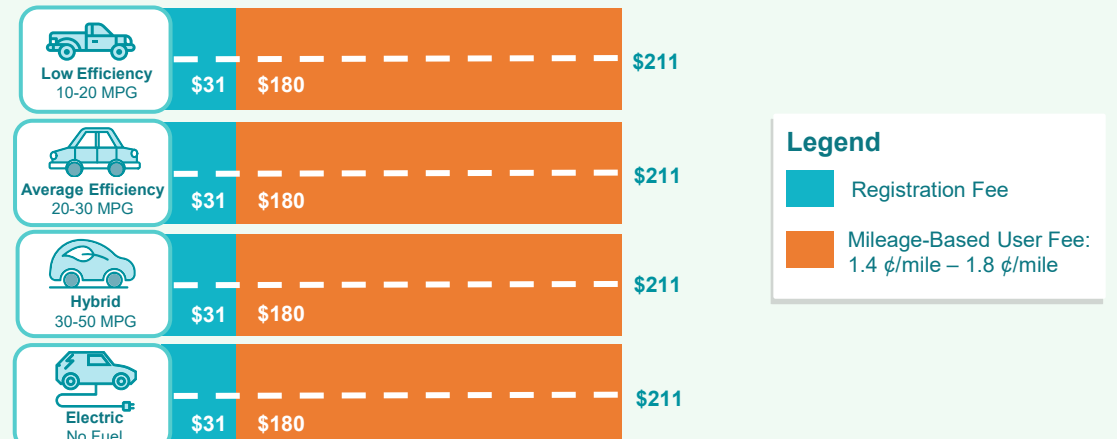
Based on an estimate of 10,000 miles driven in one year

Funding Option: Current



Based on an estimate of 10,000 miles driven in one year

Funding Option: Implement Fees Based on Miles Driven

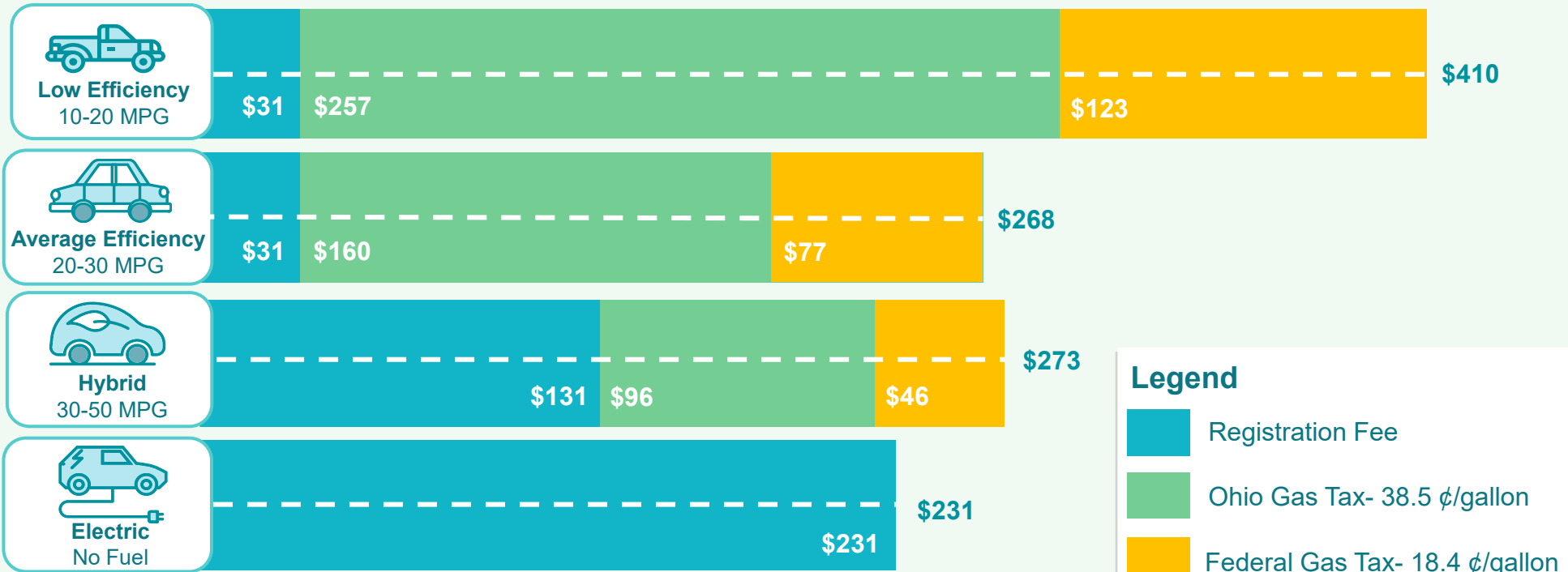


Based on an estimate of 10,000 miles driven in one year

Legend
 Registration Fee
 Gas Tax- 38.5 ¢/gallon

Legend
 Registration Fee
 Mileage-Based User Fee:
 1.4 ¢/mile – 1.8 ¢/mile

Annual Contribution to Transportation Funding from Ohio-Based Light-Duty Vehicles



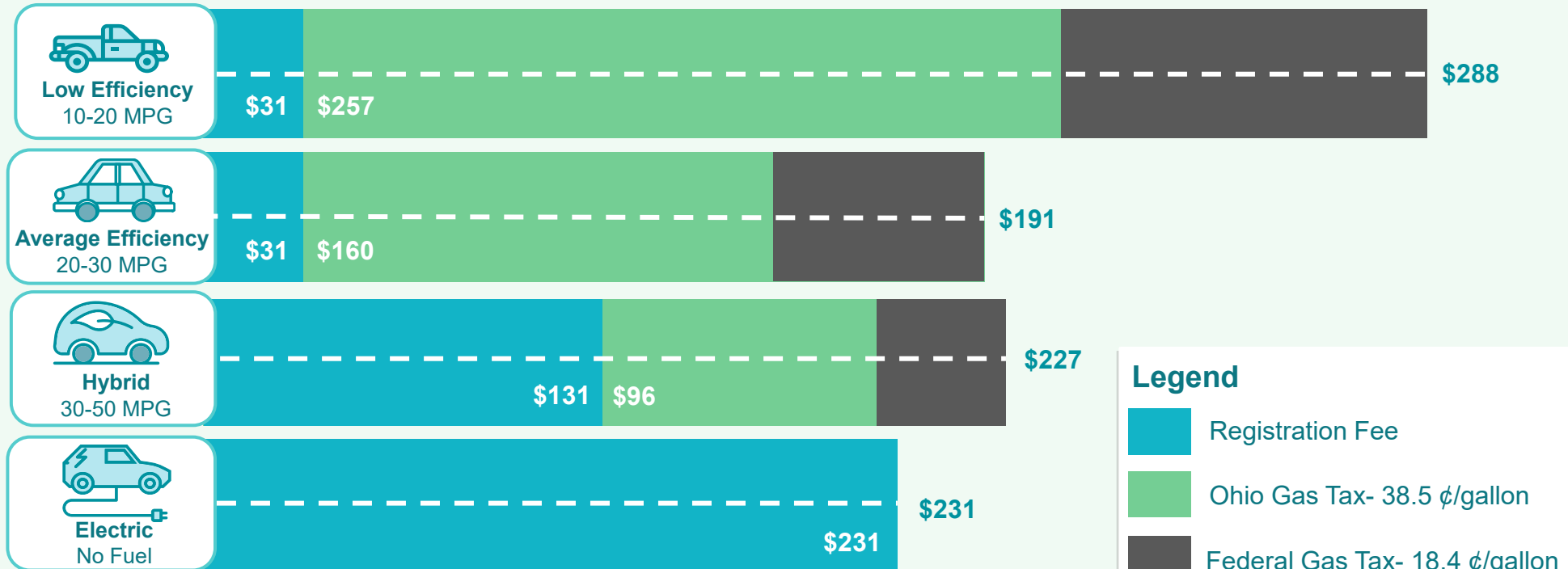
Legend

- Registration Fee
- Ohio Gas Tax- 38.5 ¢/gallon
- Federal Gas Tax- 18.4 ¢/gallon

Based on an estimate of 10,000 miles driven in one year

Note: This example assumes the vehicles purchase gas and applied the federal and state gas taxes.

Annual Contribution to State Transportation Funding from Ohio-Based Light-Duty Vehicles



Legend

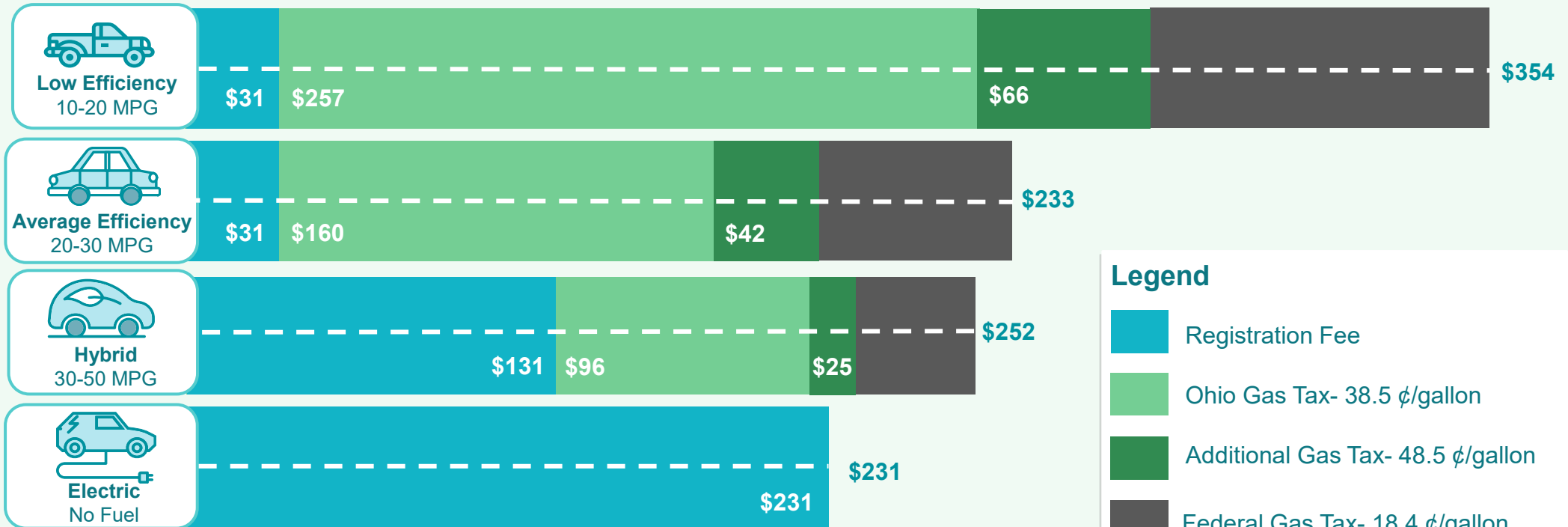
- Registration Fee
- Ohio Gas Tax- 38.5 ¢/gallon
- Federal Gas Tax- 18.4 ¢/gallon

Based on an estimate of 10,000 miles driven in one year

Note: This example assumes the vehicles purchase gas and applied the federal and state gas taxes.

Funding Option: Increase State Fuel Tax

Annual Contribution to State Transportation Funding from Ohio-Based Light-Duty Vehicles



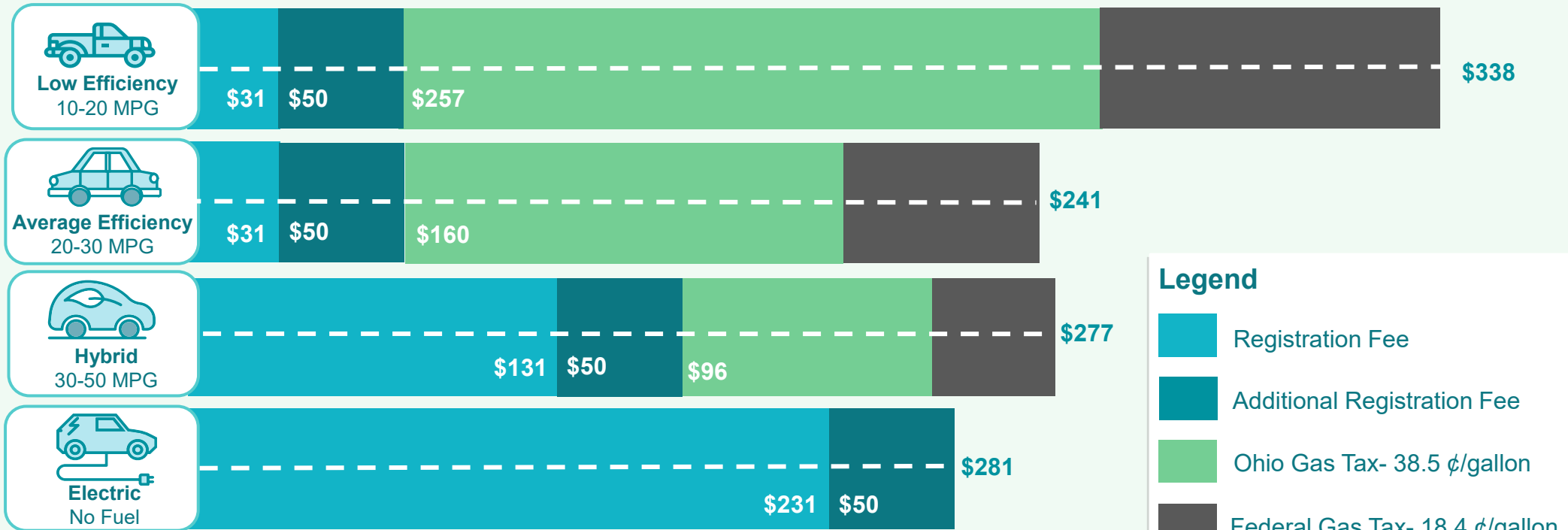
Legend

- Registration Fee
- Ohio Gas Tax- 38.5 ¢/gallon
- Additional Gas Tax- 48.5 ¢/gallon
- Federal Gas Tax- 18.4 ¢/gallon

Based on an estimate of 10,000 miles driven in one year

Note: This example assumes the vehicles purchase gas and applied the federal and state gas taxes.

Funding Option: Increase Flat Annual Registration Fees on All Vehicles Annual Contribution to State Transportation Funding from Ohio-Based Light-Duty Vehicles



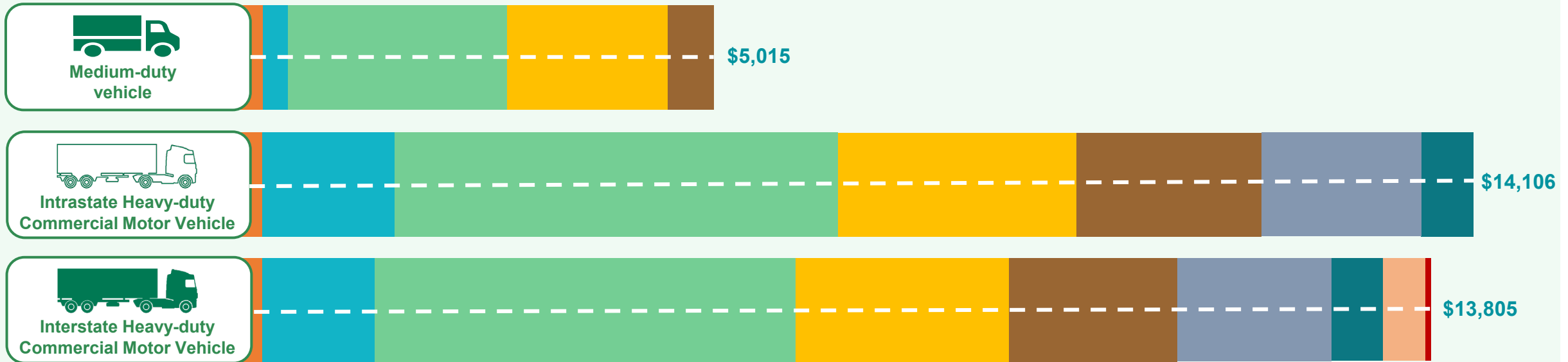
Legend

- Registration Fee
- Additional Registration Fee
- Ohio Gas Tax- 38.5 ¢/gallon
- Federal Gas Tax- 18.4 ¢/gallon










Based on an estimate of 10,000 miles driven in one year

Note: This example assumes the vehicles purchase gas and applied the federal and state gas taxes.

Annual Contribution to Transportation Funding from Ohio-Based Heavy- and Medium-Duty Vehicles



Legend

-  CPCN PUCO Authority Fee
-  Vehicle Registration*
-  State Fuel Taxes*
-  Federal Excise Tax – Diesel/Gas
-  Federal Tire Tax**
-  Federal Excise Tax**
-  Heavy Vehicle Use Tax
-  Weight Distance Tax (KY, NM, NY, OR)
-  Unified Carrier Registration

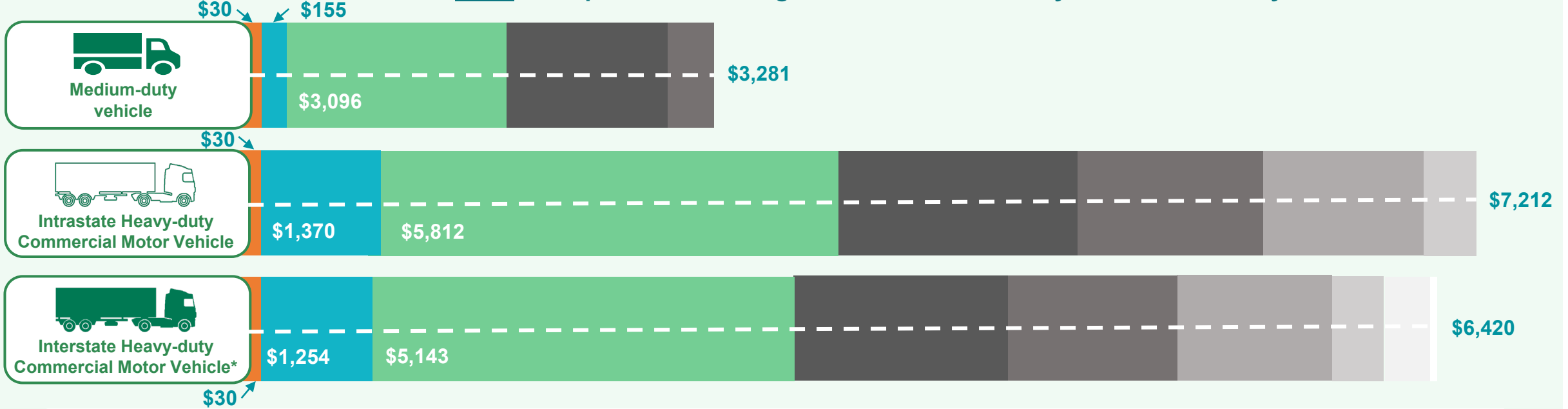
Note: Assumes about 80,000 miles driven in one year with an average fuel economy of 6.5 mpg for heavy-duty vehicles and 10 mpg for medium duty vehicles

*The state fuel taxes and registration fees shown for interstate heavy-duty commercial motor vehicles include all jurisdictions, Ohio gets a portion of these. These numbers don't take into account what Ohio receives in state fuel taxes (IFTA) and registration fees (IRP) from non-Ohio-based interstate trucks.

** Annualized for the purposes of this analysis

Funding Option: Current

Annual Contribution to State Transportation Funding from Ohio-Based Heavy- and Medium-Duty Vehicles



Legend

- CPCN PUCO Authority Fee
- Vehicle Registration*
- State Fuel Taxes*
- Federal Excise Tax – Diesel/Gas
- Federal Tire Tax**
- Federal Excise Tax**
- Heavy Vehicle Use Tax
- Weight Distance Tax (KY, NM, NY, OR)
- Unified Carrier Registration

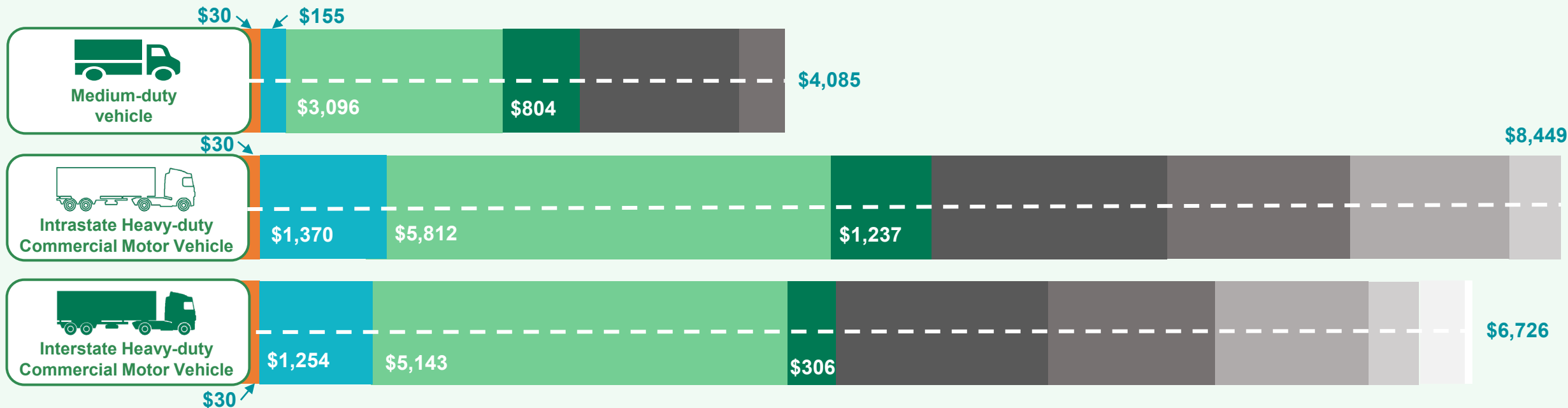
Note: Assumes about 80,000 miles driven in one year with an average fuel economy of 6.5 mpg for heavy-duty vehicles and 10 mpg for medium duty vehicles

*The state fuel taxes and registration fees shown for interstate heavy-duty commercial motor vehicles include all jurisdictions, Ohio gets \$1,438 in state fuel taxes (IFTA) and \$332 in state registration fees. These numbers don't take into account what Ohio receives in state fuel taxes (IFTA) and registration fees (IRP) from non-Ohio-based interstate trucks.

** Annualized for the purposes of this analysis

Funding Option: Increase State Fuel Tax

Annual Contribution to State Transportation Funding from Ohio-Based Heavy- and Medium-Duty Vehicles



Legend

	CPCN PUCO Authority Fee		Vehicle Registration*		State Fuel Taxes*		Additional State Fuel Taxes
	Federal Excise Tax – Diesel/Gas		Federal Tire Tax**		Federal Excise Tax**		Heavy Vehicle Use Tax
	Weight Distance Tax (KY, NM, NY, OR)		Unified Carrier Registration				

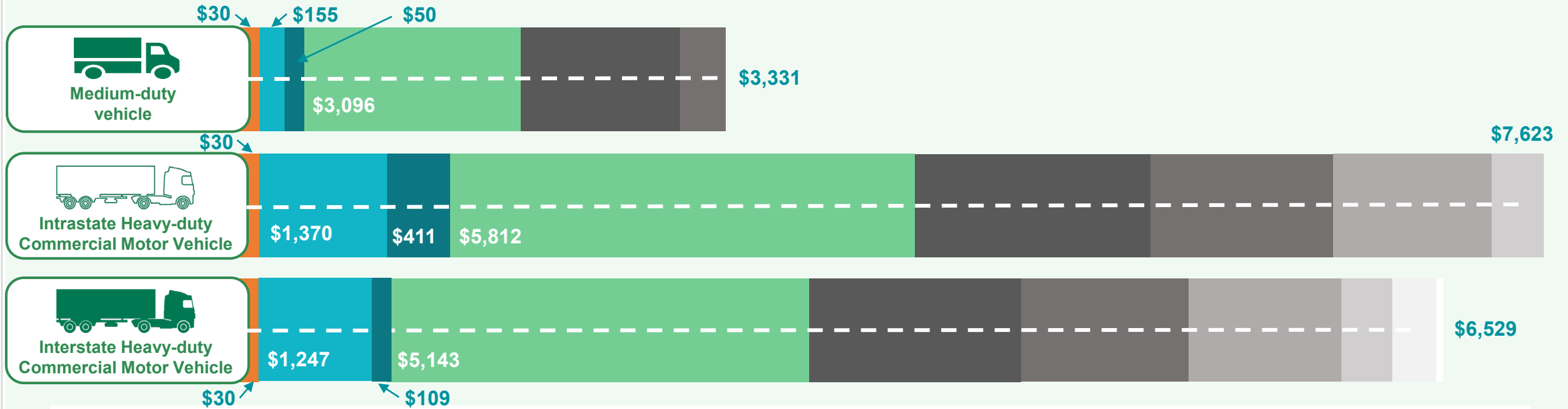
Note: Assumes about 80,000 miles driven in one year with an average fuel economy of 6.5 mpg for heavy-duty vehicles and 10 mpg for medium duty vehicles

*The state fuel taxes and registration fees shown for interstate heavy-duty commercial motor vehicles include all jurisdictions. Under this scenario, Ohio gets \$1,744 in state fuel taxes (IFTA) and \$332 in state registration fees. These numbers don't take into account what Ohio receives in state fuel taxes (IFTA) and registration fees (IRP) from non-Ohio-based interstate trucks.

** Annualized for the purposes of this analysis

Funding Option: Increase Ohio Annual Registration Fees

Annual Contribution to State Transportation Funding from Ohio-Based Heavy- and Medium-Duty Vehicles



Legend

- CPCN PUCO Authority Fee
- Vehicle Registration*
- Additional Vehicle Registration (Ohio)
- State Fuel Taxes
- Federal Excise Tax – Diesel/Gas
- Federal Tire Tax**
- Federal Excise Tax**
- Heavy Vehicle Use Tax
- Weight Distance Tax (KY, NM, NY, OR)
- Unified Carrier Registration

Note: Assumes about 80,000 miles driven in one year with an average fuel economy of 6.5 mpg for heavy-duty vehicles and 10 mpg for medium duty vehicles

*The state fuel taxes and registration fees shown for interstate heavy-duty commercial motor vehicles include all jurisdictions. Under this scenario, Ohio gets \$1,438 in state fuel taxes (IFTA) and \$440 in state registration fees. These numbers don't take into account what Ohio receives in state fuel taxes (IFTA) and registration fees (IRP) from non-Ohio-based interstate trucks.

** Annualized for the purposes of this analysis