

# Multimodal Transportation Analysis System (MTAS)

## Vehicle Miles Travelled (VMT) Module – Preliminary Findings

Office of Highway Policy Information, FHWA



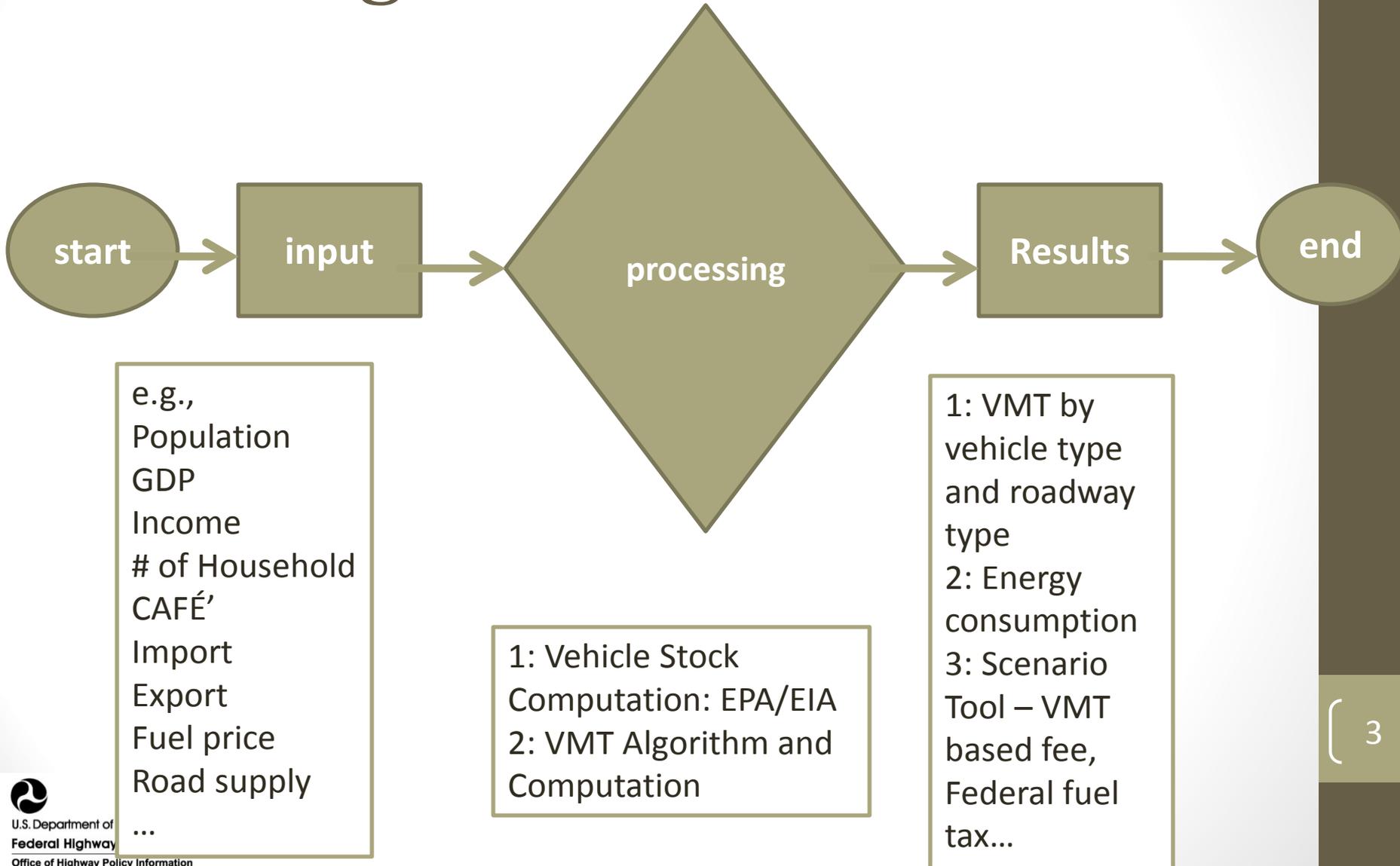
# Task Objectives

A: To forecast VMT by vehicle type, roadway functional class and energy consumption.

B: To develop a tool where various scenarios can be analyzed and tested in terms of impacts on VMT, energy, and greenhouse gas emission.



# Modeling Process



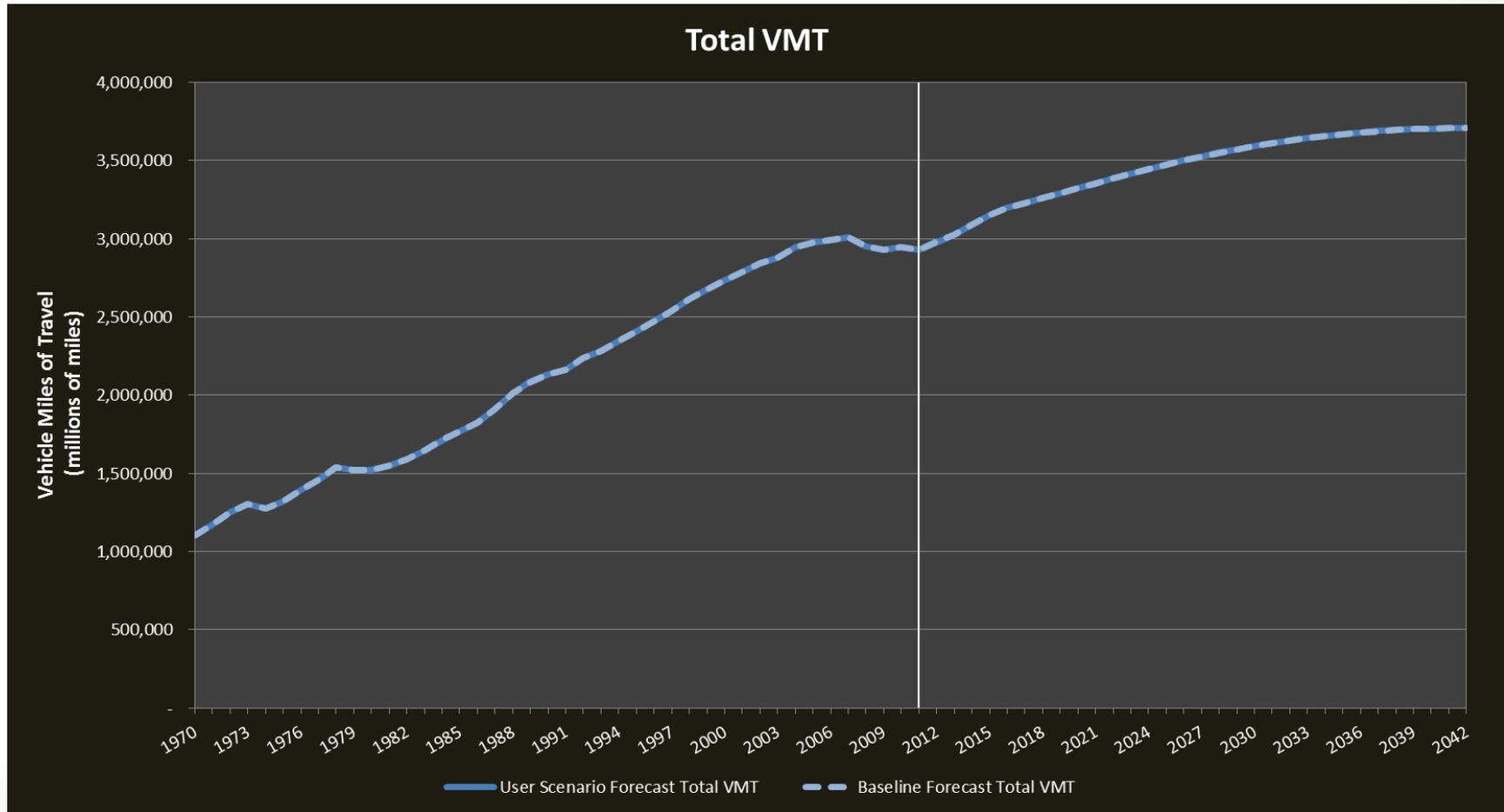
# Preliminary Results

## National VMT Growth

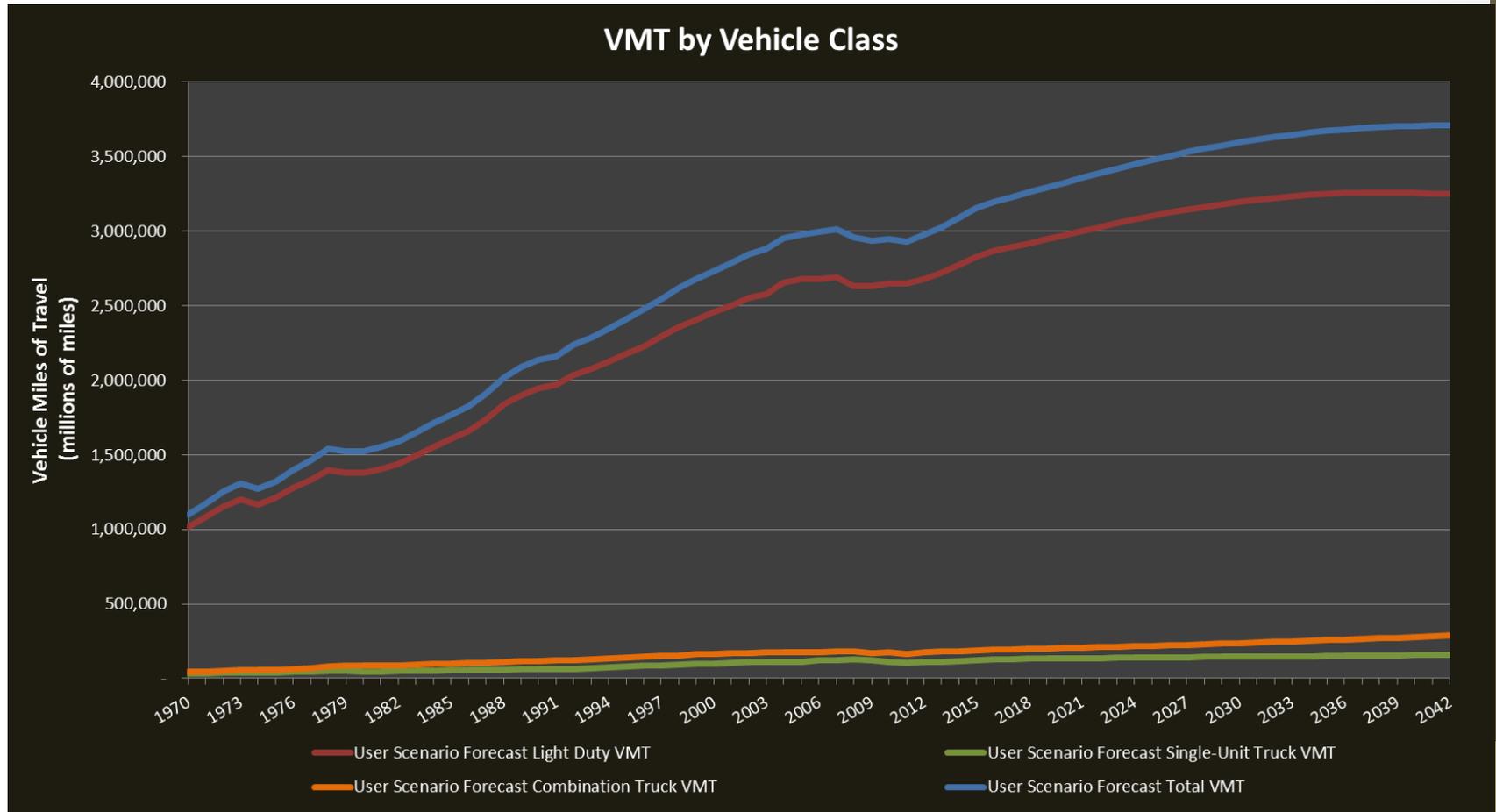
<i>Vehicle Class</i>	Compound Annual Growth Rates		
	5 Year (to 2015)	10 Year (to 2030)	30 Year (to 2040)
	Forecast	Forecast	Forecast
Light-Duty Vehicles	1.53%	1.22%	0.64%
Single-Unit Trucks	4.49%	2.12%	1.21%
Combination Trucks	1.12%	1.69%	1.61%
Single Unit Vehicles	3.20%	2.11%	1.19%
Total	1.62%	1.28%	0.73%



# Preliminary Results

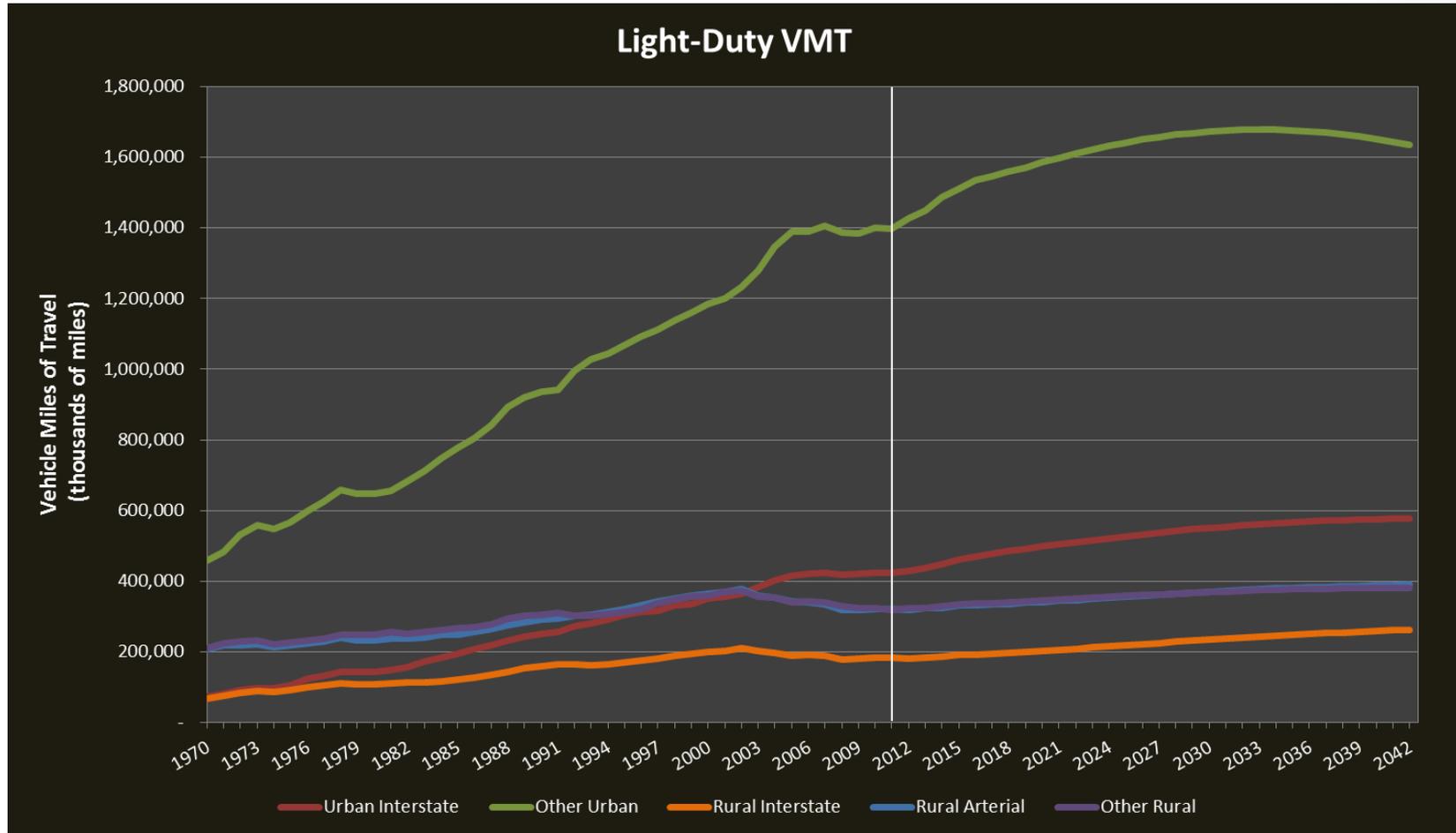


# Preliminary Results



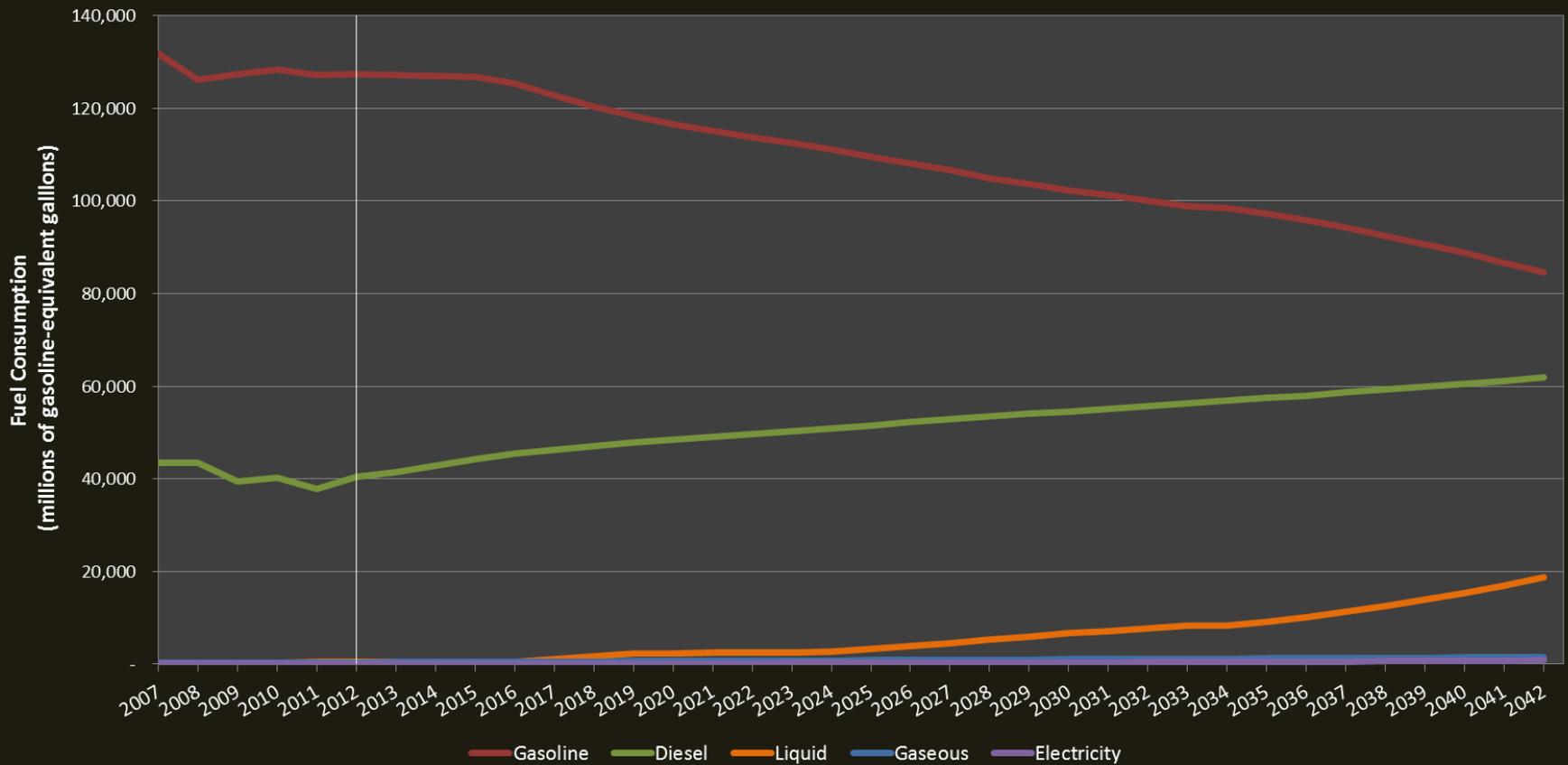
# Preliminary Results

## VMT by Vehicle Type and Roadway Functional Class

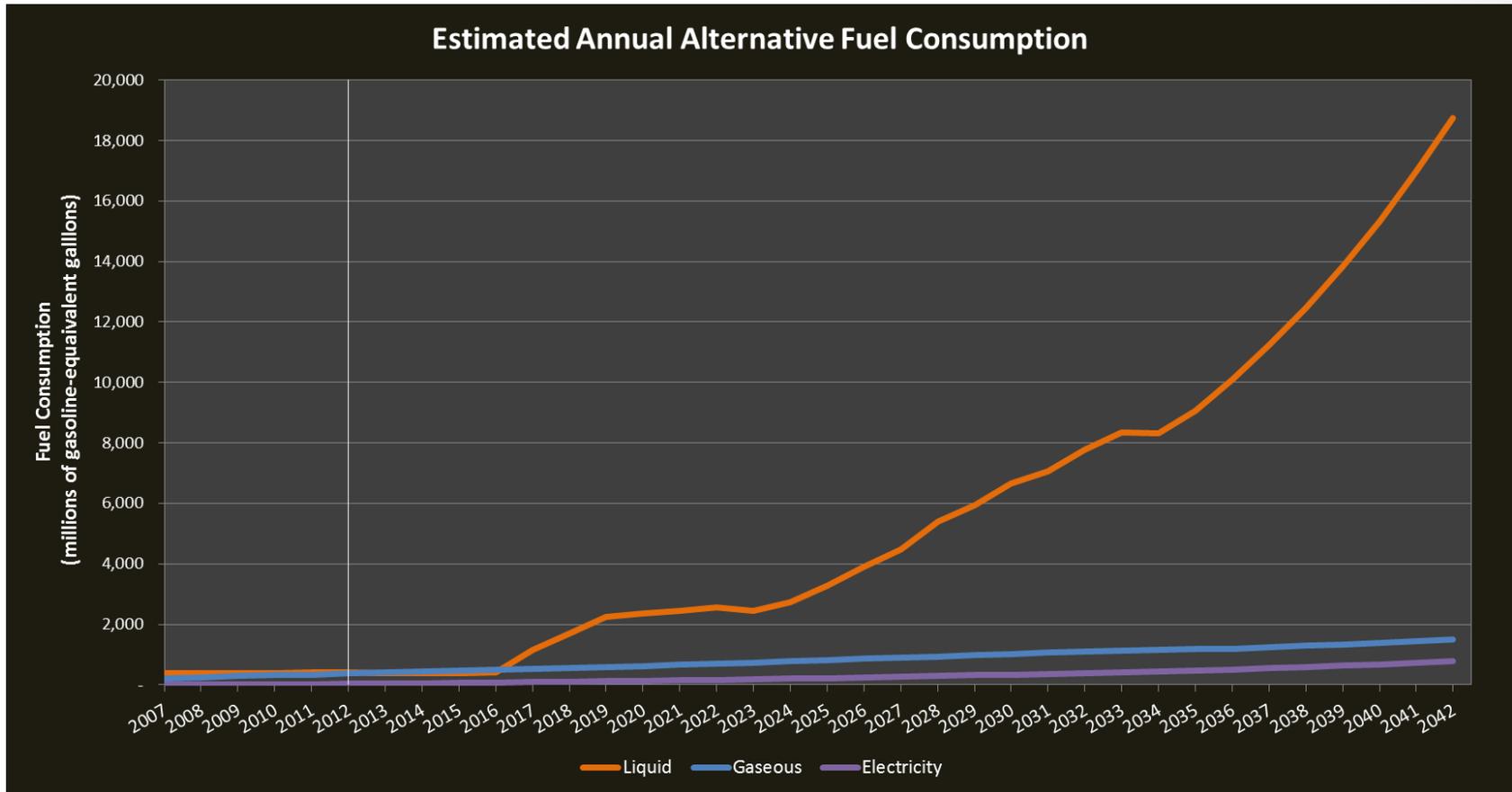


# Preliminary Results

## Estimated Annual Fuel Consumption



# Preliminary Results

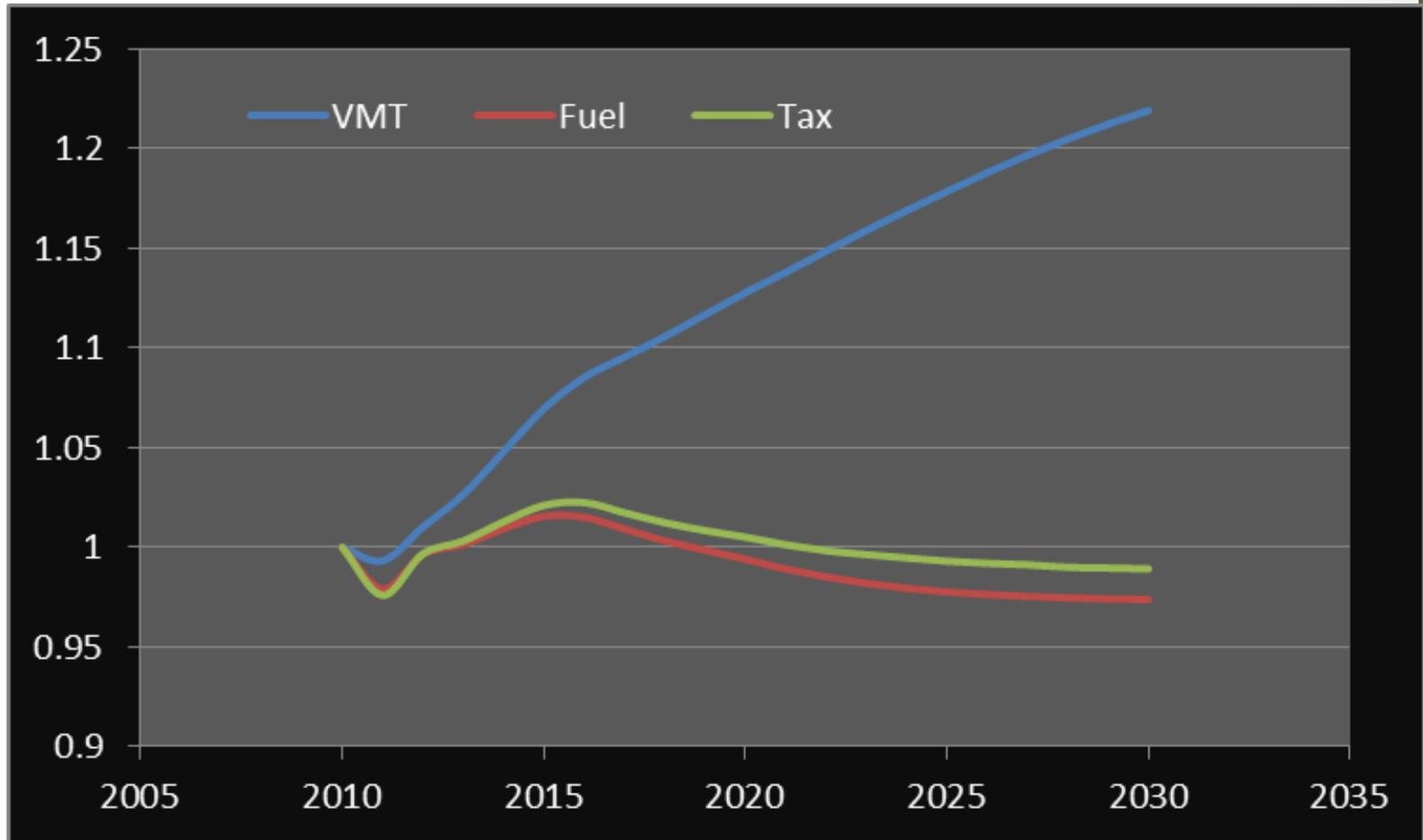


# Current Federal Fuel Tax Rates

Fuel Types	Current Federal Tax - Cents per Gallon
Gasoline and Ethanol	18.4
Diesel and Kerosene fuel	24.4
Liquefied Petroleum Product	13.6
Liquefied Natural Gas	11.9



# Projections to 2030



While we do not do revenue projection, these information does provide agency leadership information on future scenarios.



# Thank You!

