

# Transportation Revenue Trends: *The Fuel Tax*

*presented to*

**Central Florida  
MPO Alliance  
Meeting**

*presented by*

**Alison Stettner,  
FDOT**

**Director, Office of  
Policy Planning**



Office of Policy Planning

*January 10, 2020*



# TODAY'S OBJECTIVE



**Overview of transportation funding in Florida**

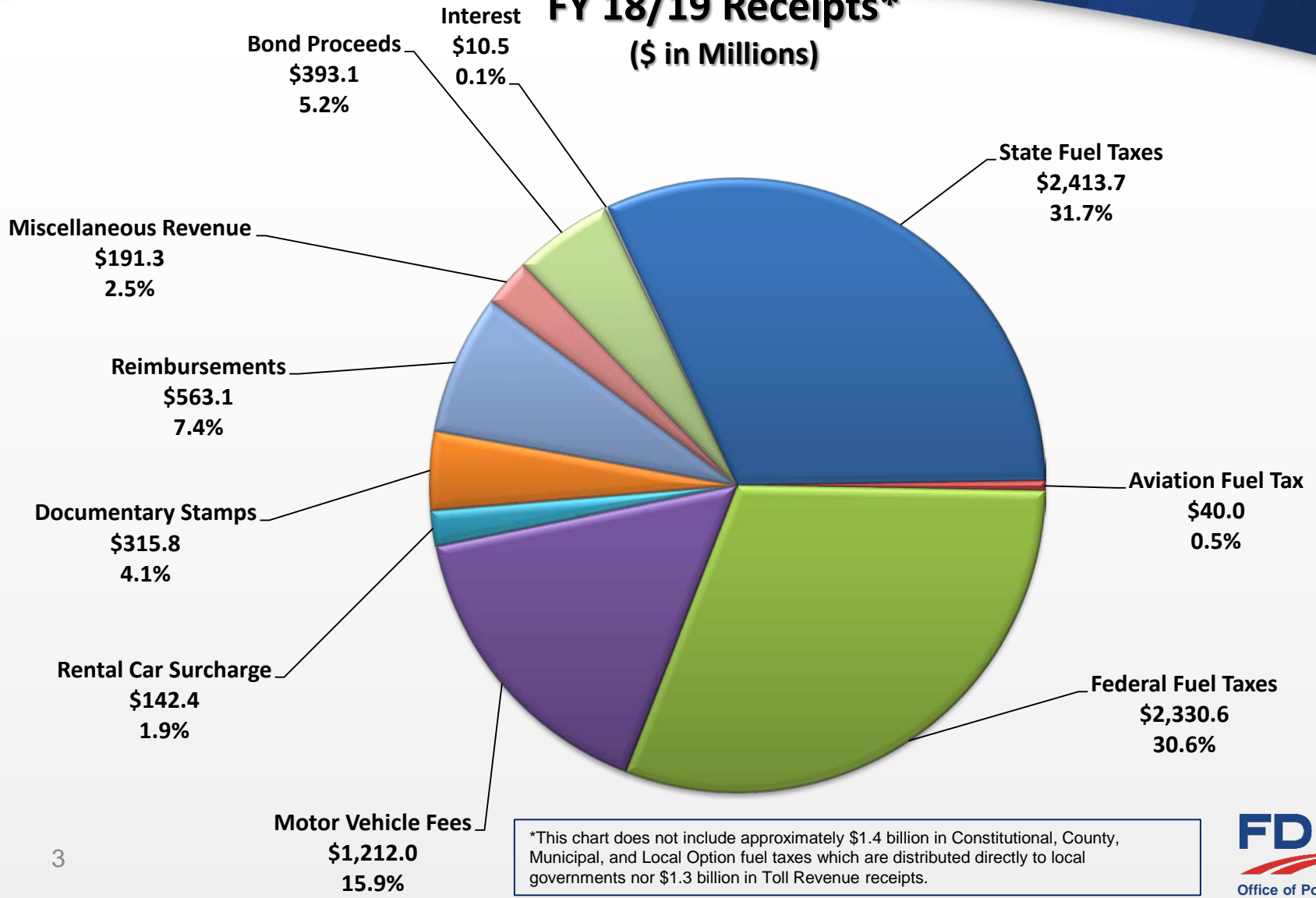
**Future Funding Trends**

**Help get the message out**

# State Transportation Trust Fund Receipts by Category



**FY 18/19 Receipts\***  
(\$ in Millions)



\*This chart does not include approximately \$1.4 billion in Constitutional, County, Municipal, and Local Option fuel taxes which are distributed directly to local governments nor \$1.3 billion in Toll Revenue receipts.

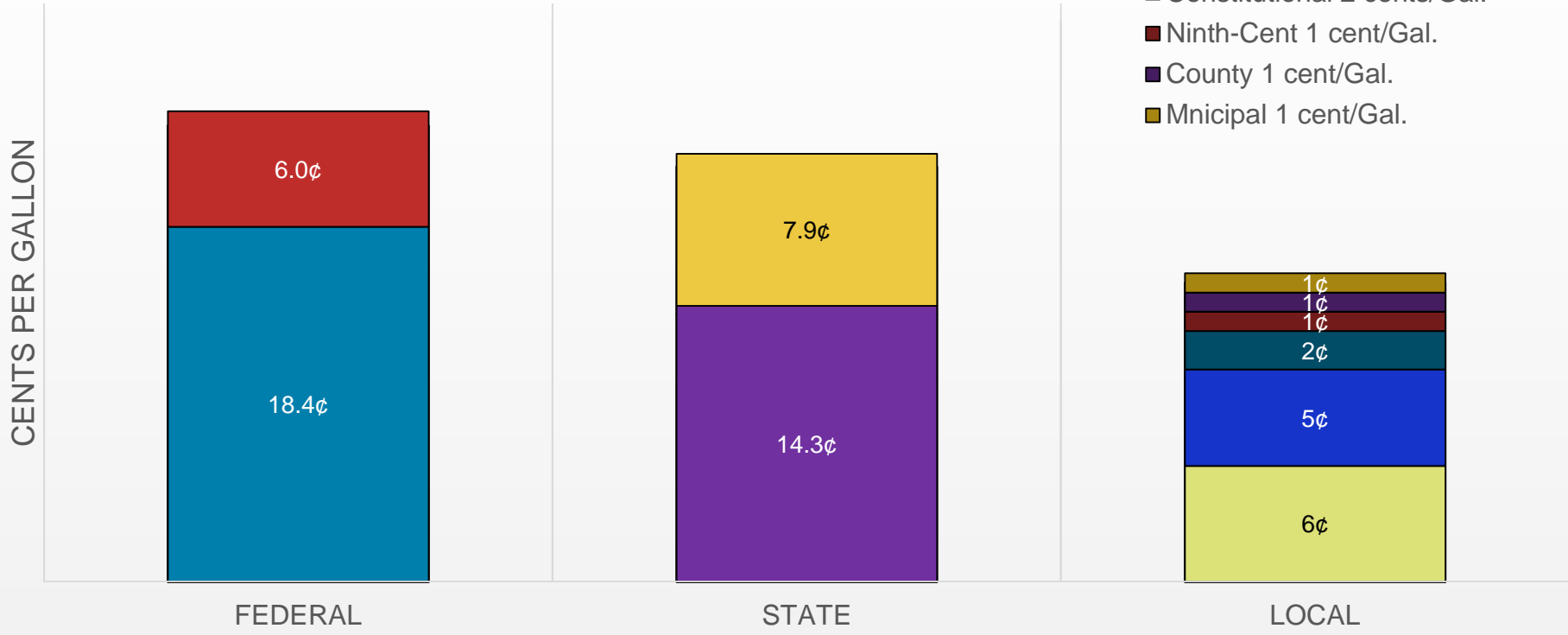
# CALENDAR YEAR 2020 FUEL TAX RATES

## RATES (cents per gallon)



### 2020 FUEL TAX RATES

- Federal Gas 18.4 cents/Gal.
- Federal Diesel Added 6 cents/Gal.
- State Sales 7.9 cents/Gal.
- SCETS 14.3 cents/Gal.
- Local Option 1-6 cents/Gal.
- Local Option 1-5 cents/Gal.
- Constitutional 2 cents/Gal.
- Ninth-Cent 1 cent/Gal.
- County 1 cent/Gal.
- Mncipal 1 cent/Gal.



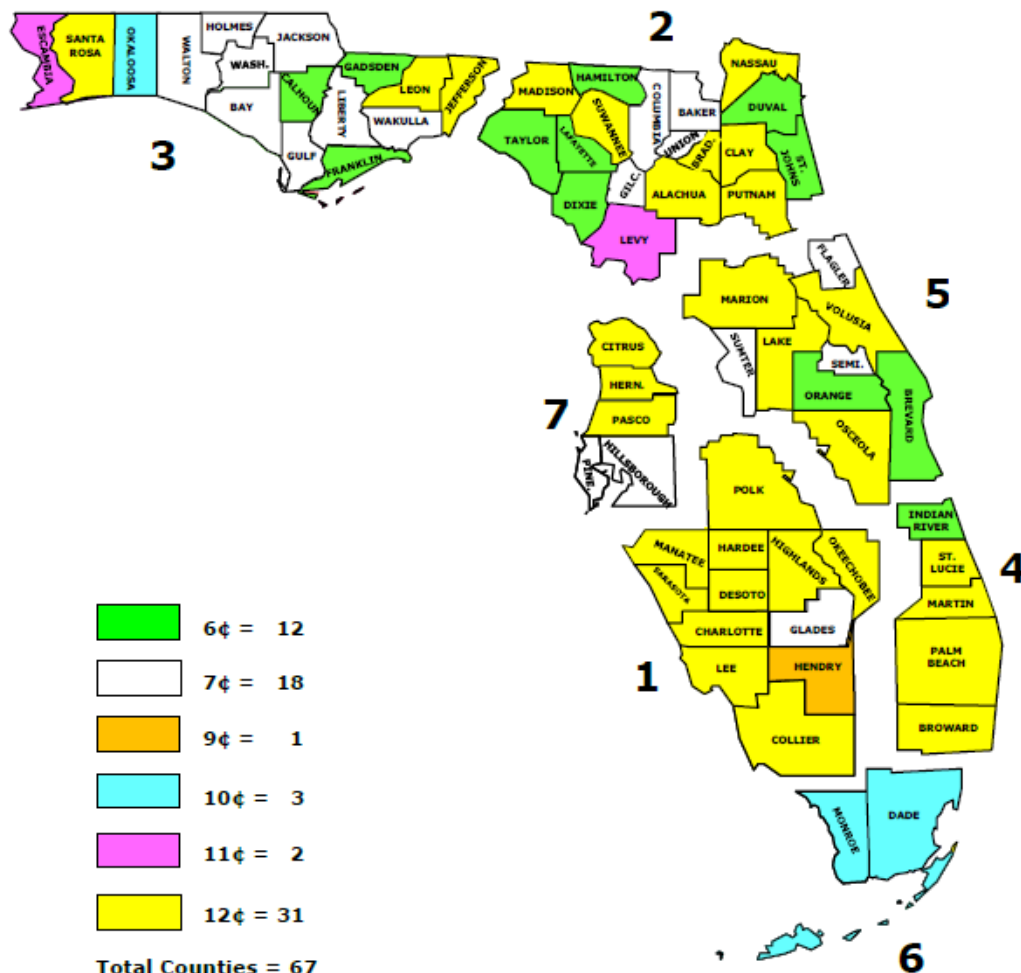
# Locally Imposed Fuel Taxes

## Fuel Tax Rates as of January 1, 2020



### Locally Imposed Motor Fuel Taxes

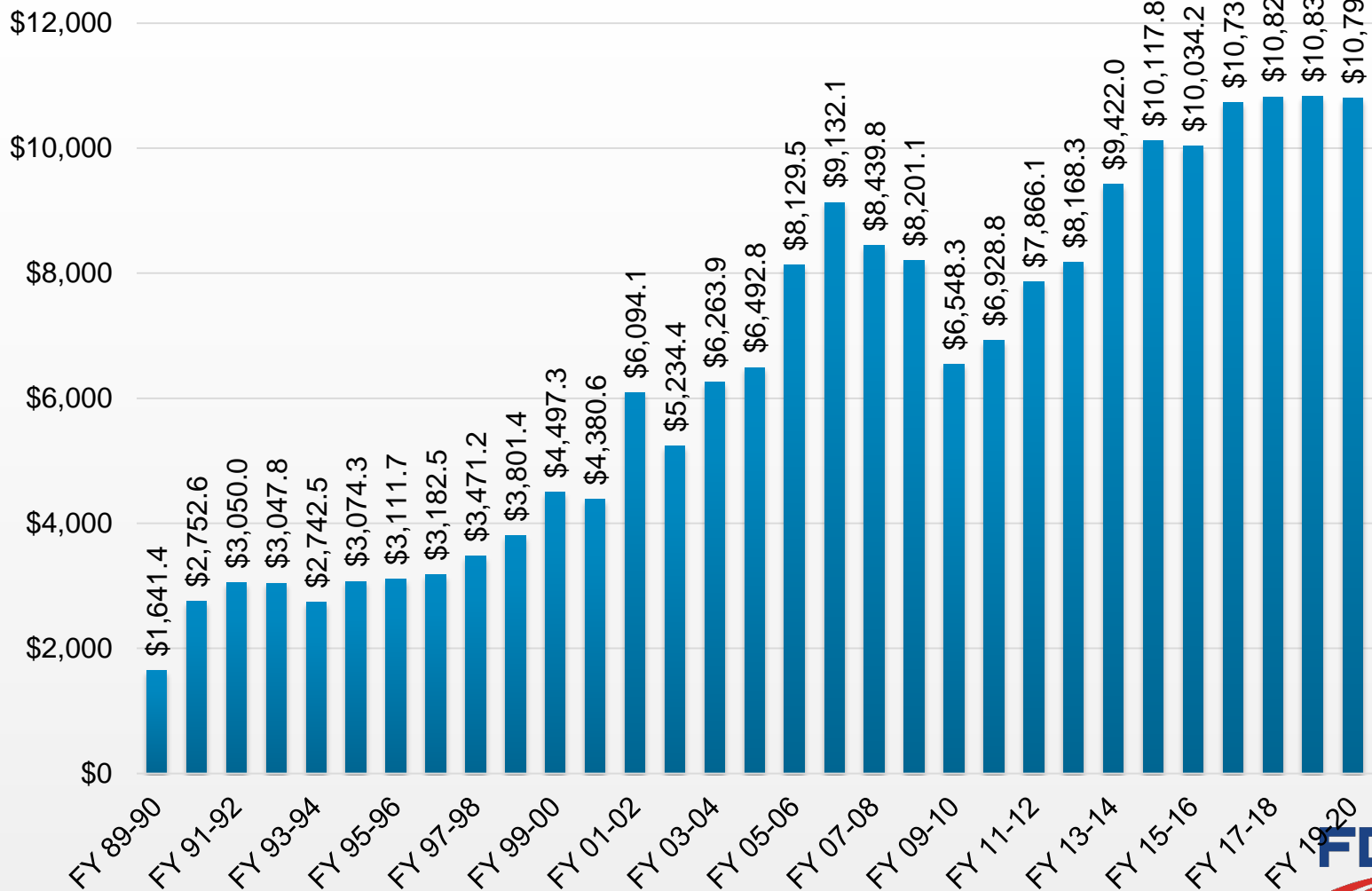
Tax Rates (¢/gal) as of January 1, 2020



# FDOT Annual Appropriation History

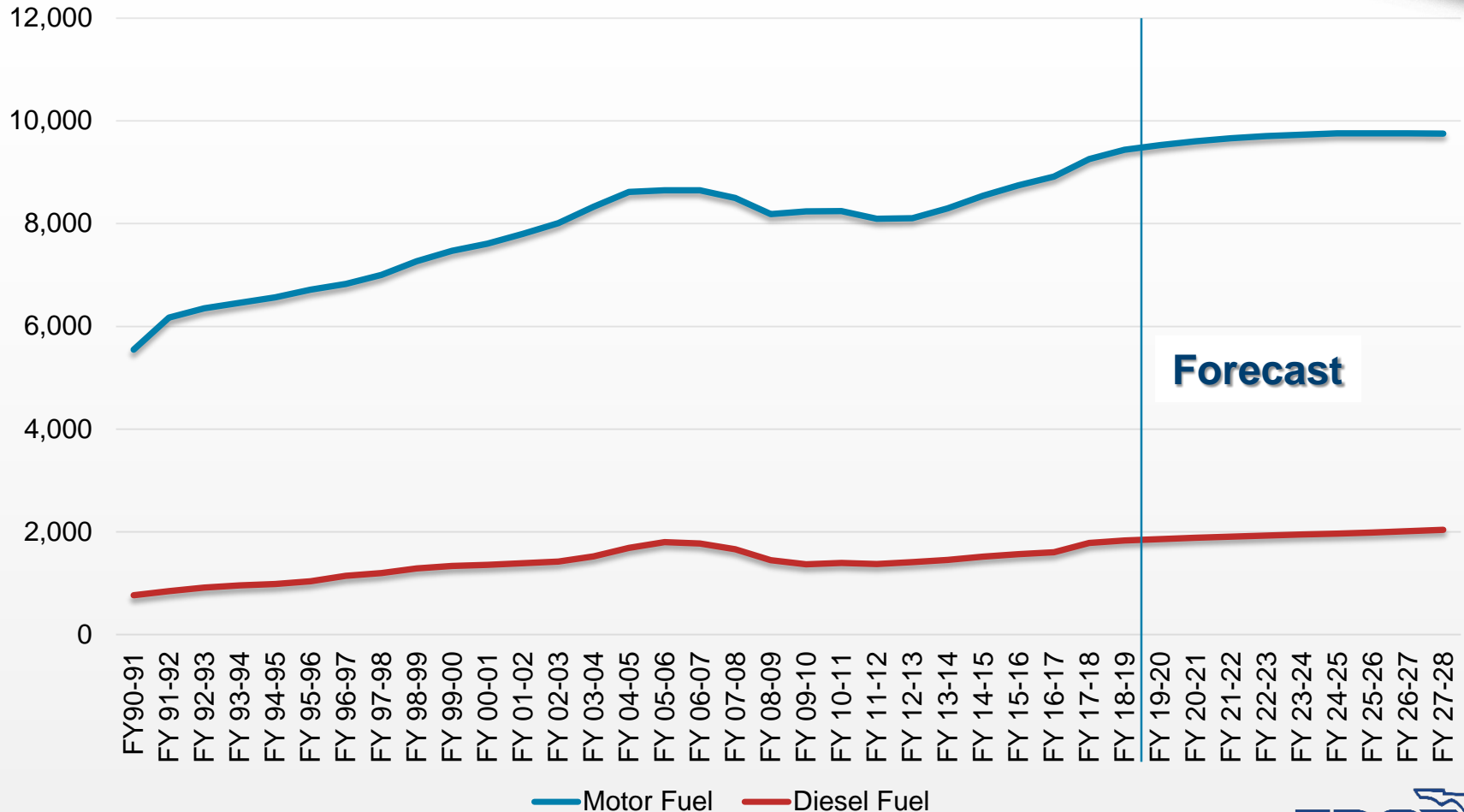


## FDOT Annual Appropriation History

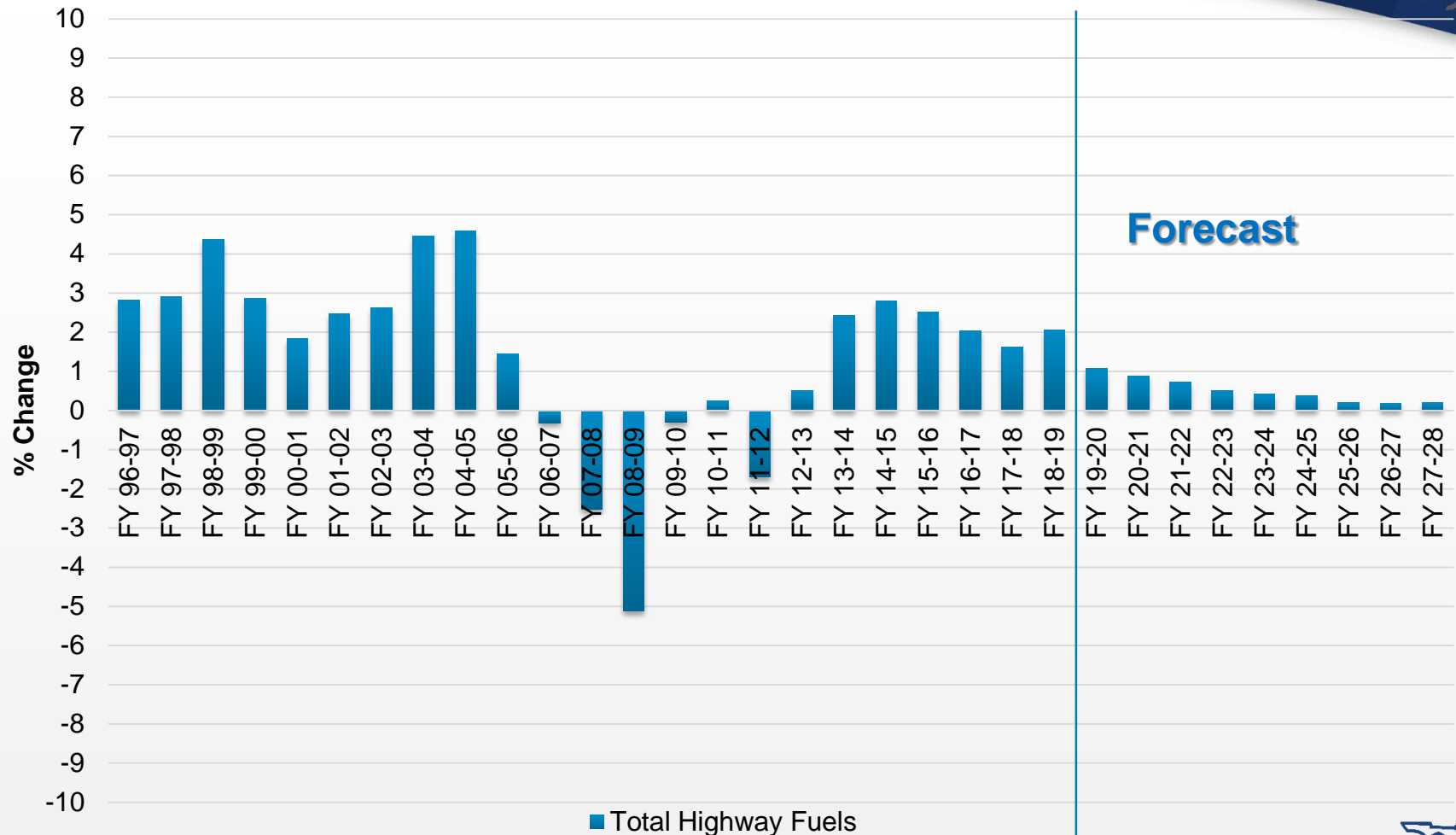


# Fuel Consumption in Florida

(in Millions of Gallons Annually)



# Fuel Consumption Growth Rate in Florida





# What Sets Florida Apart?



**State Fuel Tax Indexed to CPI**

**Extensive Tolling Systems**

**Maximum Use of Innovative Financing**

**Population Growth**

**Record Tourism**

# Average Fuel Efficiency

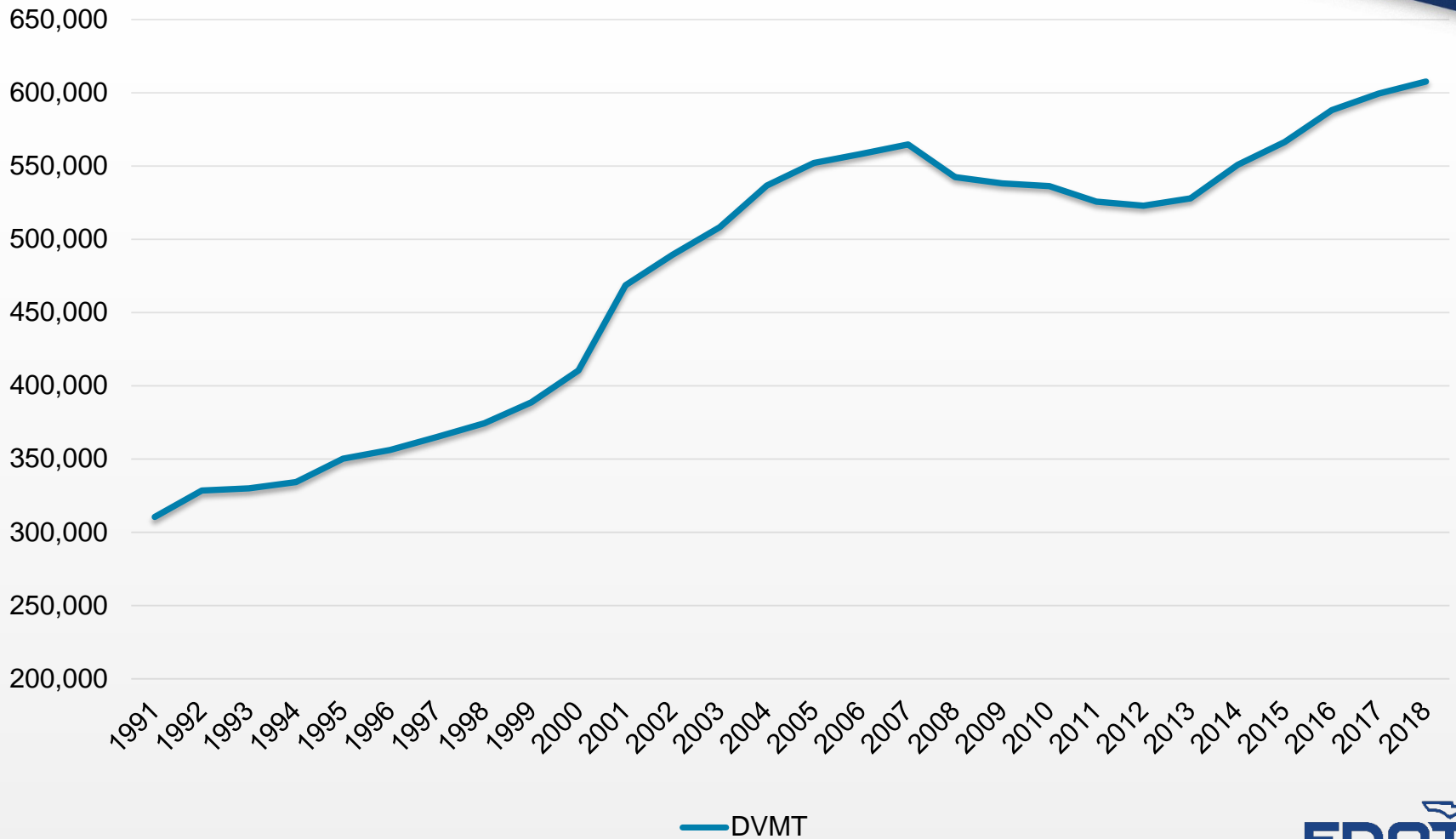


**Since 1980 fuel efficiency of national fleet has increased 50%**

**Fuel efficiency of new cars increased 55%**

# Daily Vehicle Miles Traveled in Florida

(in Thousands of Miles on all Public Roads)



# AV/EV Impacts of Market Share in Florida



AV market penetration rate of 35% of vehicles by 2035 (percent of new vehicles on the road)

In terms of vehicle fleet penetration, AVs will be approximately 43% of total vehicle stock in 2045

Most aggressive forecast predicts EV share of market will be 35% in 2040

Vehicle stock of electric vehicles expected to be 3.8 million in 2048

# AV/EV Impacts to Overall VMT



**Estimated that AVs will add 47.5 billion additional annual VMTs over baseline by 2048.**

- Assumption is that all AVs in 2048 will be EVs
- Assumption that 30% of total VMT in 2048 will be eVMT (100.8 billion miles)

# AV/EV Impacts to Fuel Tax Revenue in Florida



**Through FY 47/48 cumulative impact of increased AV/AFV market penetration will result in \$18.3 billion in fuel tax revenue losses. By FY 47/48 annual losses will be 26% of projected revenue.**



# **QUESTIONS?**

**Contact Information:**

**Mark Reichert**

**850-414-4901**

**[mark.reichert@dot.state.fl.us](mailto:mark.reichert@dot.state.fl.us)**