

# *The Florida Energy and Climate Commission (FECC)*

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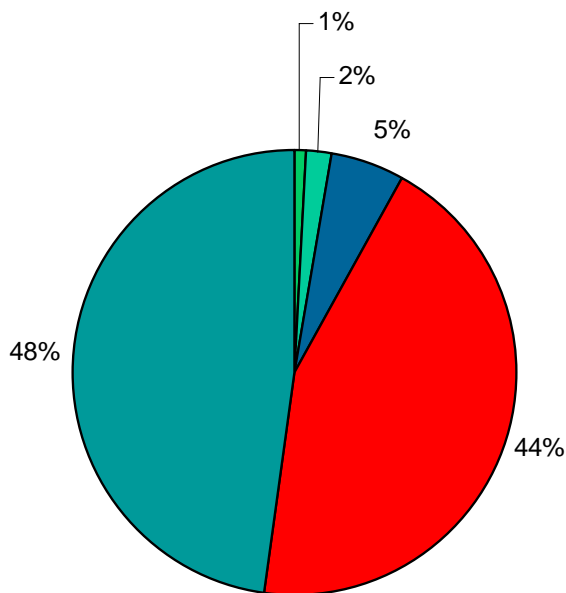
## *Florida Clean Vehicle Emission Standards*



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# CO<sub>2</sub> Emissions from Florida Vehicles

Figure 5. CO<sub>2</sub> Emissions by Energy Sub-sector in Florida - 2005

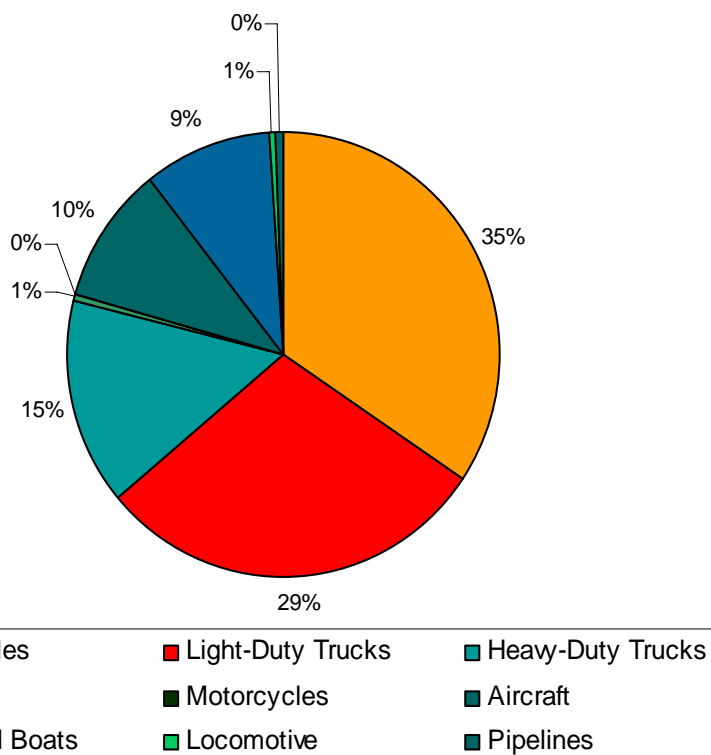


■ Residential      ■ Commercial      ■ Industrial  
■ Transportation      ■ Electric Utilities

Transportation accounts for over 40 percent of the CO<sub>2</sub> emissions in Florida.

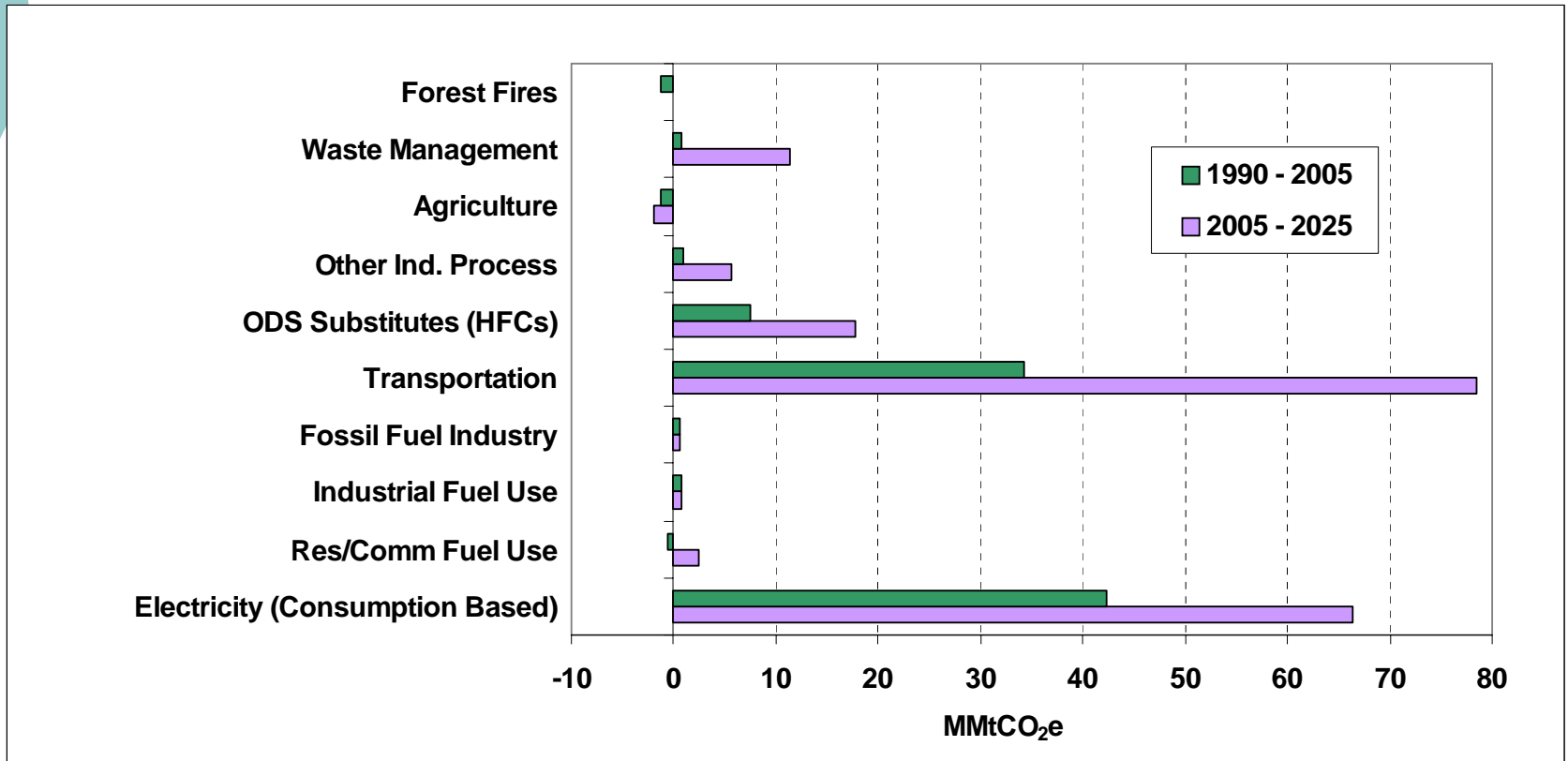
# CO<sub>2</sub> Emissions from Florida Vehicles

Figure 8. CO<sub>2</sub> Emissions from Transportation Sub-sector in Florida - 2005



Passenger cars and light-duty trucks account for nearly 2/3 of the transportation CO<sub>2</sub> emissions.

# Florida Gross Emissions Growth (MMtCO<sub>2</sub>e, Consumption Based)





# Executive Order 07-127

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- o Adoption of the California motor vehicle emission standards in Title 13 of the California Code of Regulations, upon approval by the U.S. Environmental Protection Agency of the pending waiver, which includes emission standards for greenhouse gases, submitted by the California Air Resources Board

# Adoption of Florida Clean Vehicle Emission Standards Rule

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- Greenhouse gas (GHG) from vehicles is primarily carbon dioxide (CO<sub>2</sub>)
- Florida's Clean Vehicle Emission Standards Rule (adopting California standards) is Florida's only option under federal law to regulate GHG emissions from new passenger cars & light-duty trucks
  - No federal GHG standards exist



# Florida Clean Vehicle Emission Standards Rule

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- The purpose of the rule is to adopt emission standards for cars and light-duty trucks that
  - 1) regulates tailpipe emissions
  - 2) sets a fleet-wide average for GHG emissions
- These regulations are set to achieve the “maximum feasible and cost effective reduction” in GHG emissions



# Vehicles Subject to Clean Vehicle Emission Standards Rule

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- Passenger Cars
- Medium-duty passenger vehicles
  - Less than 10,000 lbs gross vehicle weight
  - Designed for transporting persons
- Light Duty Trucks
  - 8500 lbs gross vehicle weight or less
  - Designed for transporting property

# Vehicles NOT subject to Clean Vehicle Emission Standards Rule

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- Medium-duty Trucks
  - Trucks over 8500 lbs gross vehicle weight that are not passenger vehicles
  - All trucks 10,000lbs gross vehicle weight and up
- Emergency vehicles
- Military vehicles
- Custom-built vehicles
- Vehicles designed exclusively for off-highway use



# Benefits of Florida Clean Vehicle Emission Standards Rule

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- Protects the environment
- Improves energy security
- Saves Floridians money



# Protects Our Environment

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- By 2016, the rule will have reduced Florida's greenhouse gas emissions by a cumulative total of approximately 23 million metric tons
- This equates to approximately a 6% reduction of the total emissions from cars and light trucks through 2016



# Improves Energy Security

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- In 2013, Florida will save 440 million gallons of gasoline.
- By 2016, Florida's gasoline consumption will be reduced by a total of 2.7 billion gallons.
- Florida consumed 8.6 billion gallons of gasoline in 2005.

# Consumer savings

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- Near-term sticker price increase = \$92 to \$668 using existing, cost-effective technologies.
- The payback on the initial investment is one to six years, depending on fuel prices and individual technologies.



# Rule Adoption Process for Florida Clean Vehicle Emission Standards

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- Three public workshops, starting in August 2007
- Three briefings with the ERC starting June 2008
- Two ERC rule adoption hearings: October 29 and December 2, 2008
- ERC approved rule December 2, 2008

# Next Steps

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- Approved by Joint Administrative Procedures Committee on January 23, 2009
- Filing with the Secretary of State on January 26, 2009
- Ratification by the Legislature 2009