

# Gasoline Demand Trends

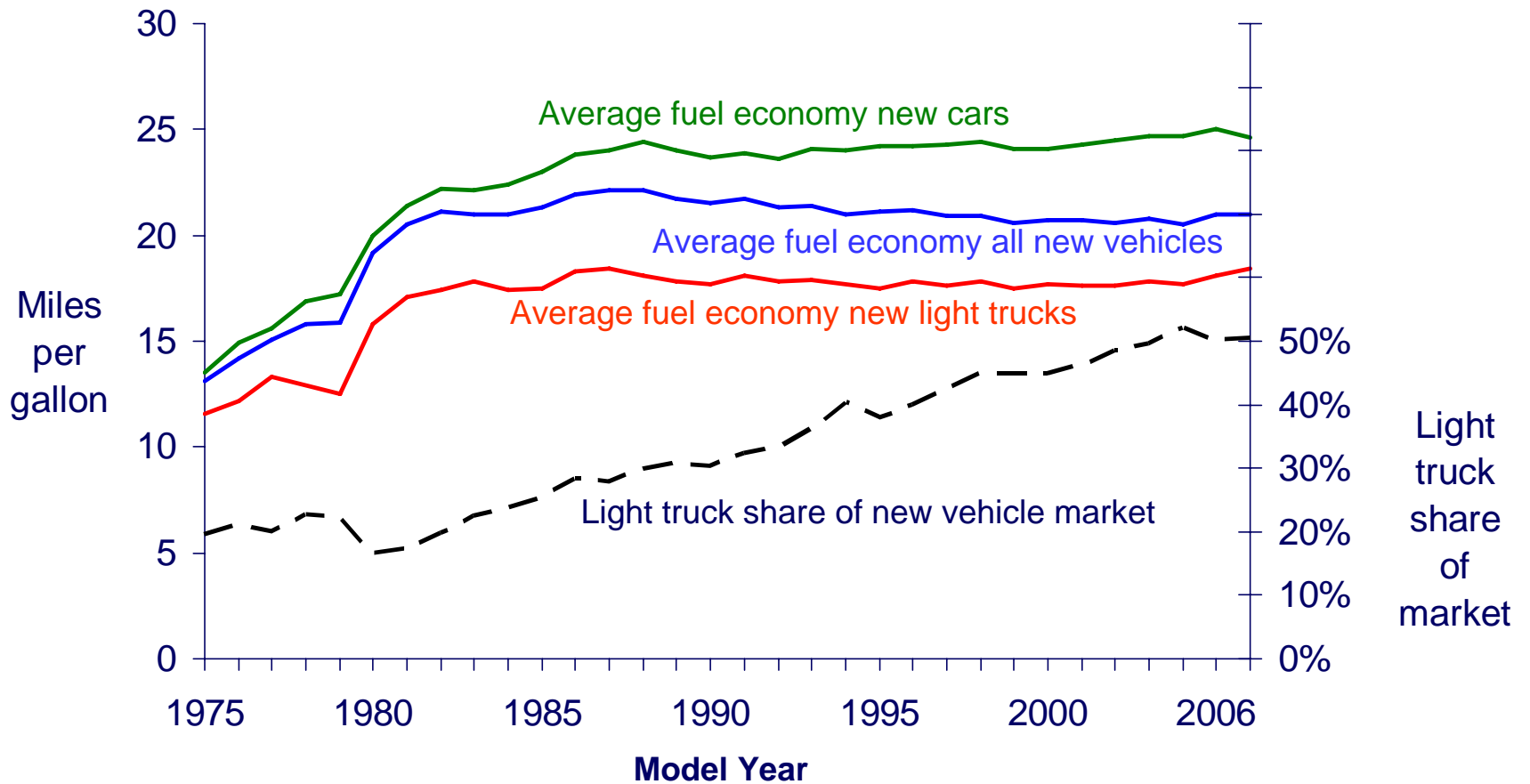
EIA Energy Outlook, Modeling and Data Conference  
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Energy Information Administration

# Traditional Issues

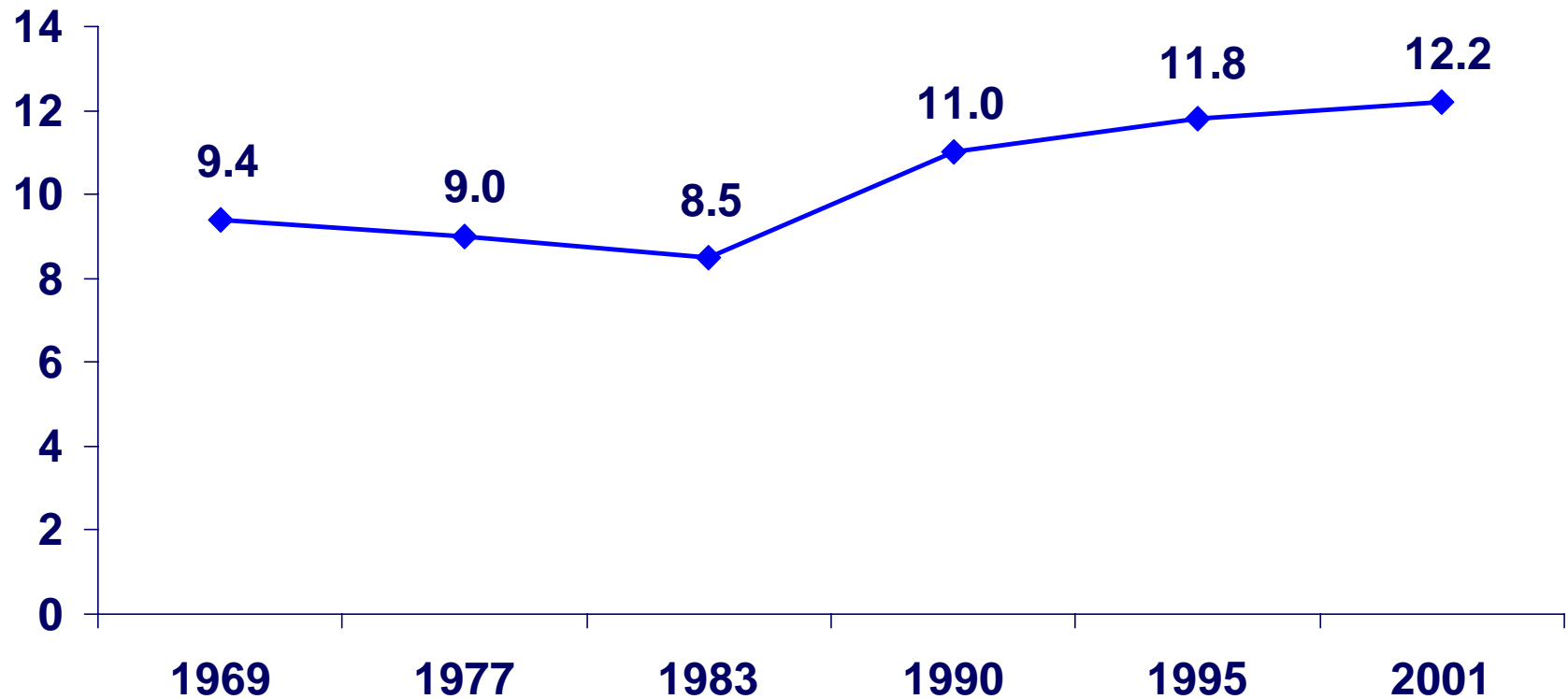
- Demographics
  - Age distribution of population
  - Location of home and work
- Socioeconomics
  - Number of cars per household
  - Cars versus light trucks (including SUVs)
  - Travel to Work
  - Discretionary travel

# Increasing Light Truck Market Shares



# Longer Trip to Work is a Cost of Lower Priced Houses in the Suburbs

Average length of trip to work  
(miles)



Source: Federal Highway Administration, Nationwide Personal Transportation Surveys

# More People Are Driving Alone to Work

## Principal Means of Transportation to Work

(percent of all workers)

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	1997	1999	2001	2003	2005
Drives Self	77.5 %	78.2 %	78.3 %	79.4 %	79.3 %
Car Pool or Mass Transportation	14.6 %	14.3 %	14.4 %	13.1 %	13.5 %
Works at Home	3.1 %	2.8 %	2.8 %	3.1 %	3.4 %

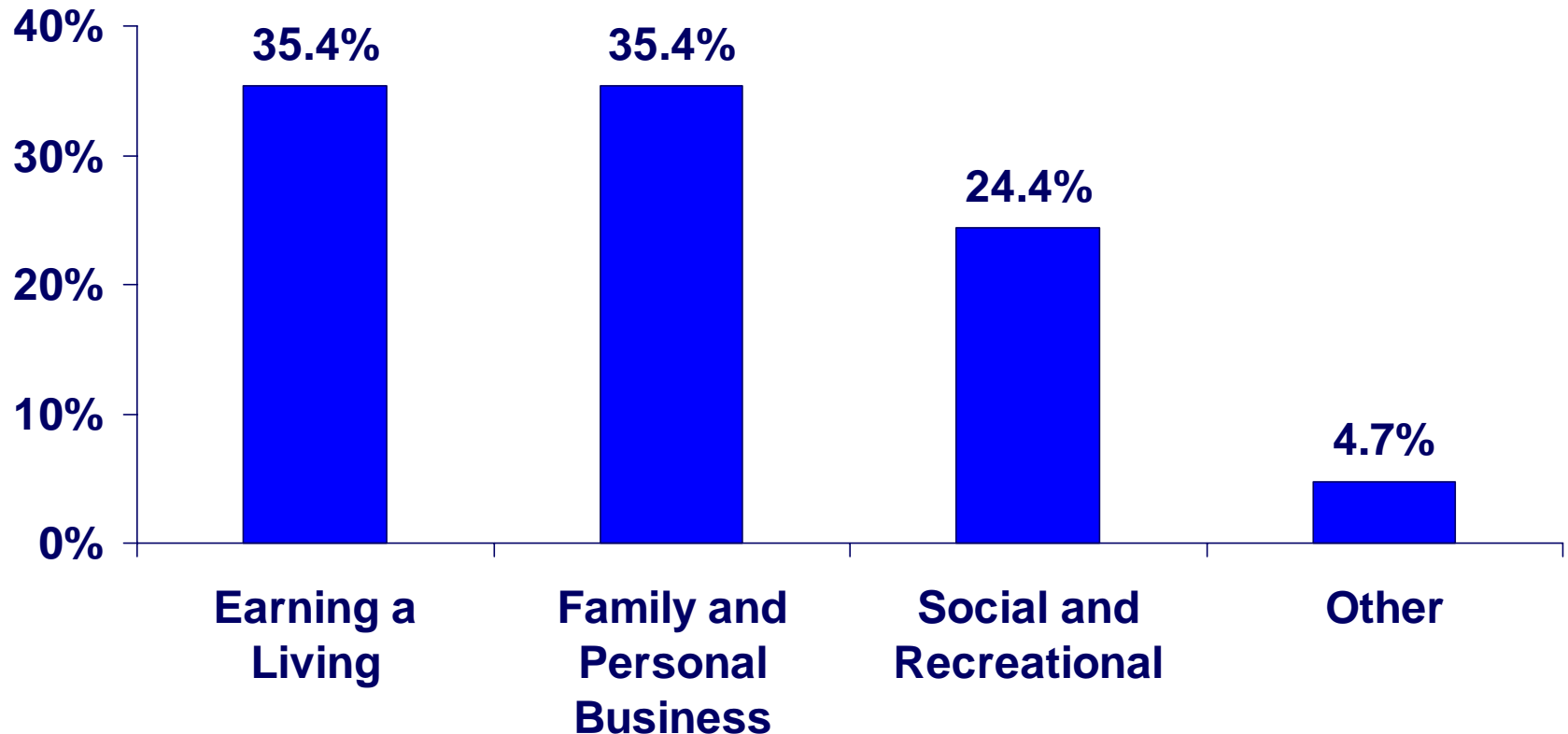
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Source: U.S. Census Bureau, American Housing Surveys.

No shown: Bicycle, motorcycle, taxi cab, walk to work, other means

# Only About 1/3 of Travel is Work-Related

(Share of vehicle-miles travelled, 2001)

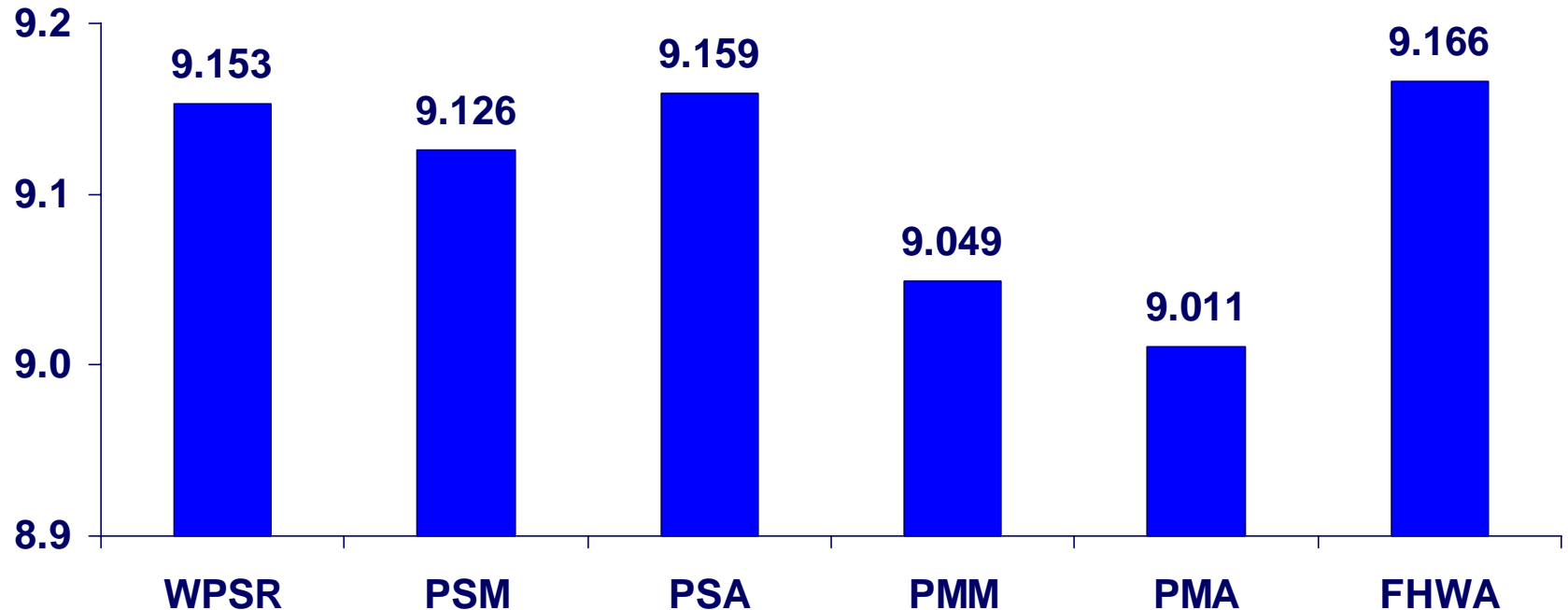


# Non-Traditional Issues

- Gasoline Consumption Survey Accuracy
- Miles Driven
  - Premium or regular gasoline
- Vehicle Fuel Efficiency
  - Ethanol Reduces Fuel Efficiency

# Monthly Gasoline Consumption Surveys

2005 Daily Average  
(Million barrels per day)



WPSR – EIA Weekly Petroleum Status Report

PSM – EIA Petroleum Supply Monthly

PMM – EIA Petroleum Marketing Monthly

FHWA – Federal Highway Administration

PSA – EIA Petroleum Supply Annual

PMA – EIA Petroleum Marketing Annual



# Annual Consumption Growth Rate Depends on Which Surveys Are Compared

2004 Survey	2005 Survey	2004 → 2005 Change
WPSR	WPSR	0.90 %
PSM	WPSR	1.00 %
PSM	PSM	0.70 %
PSA	PSM	0.22 %
PSA	PSA	0.59 %

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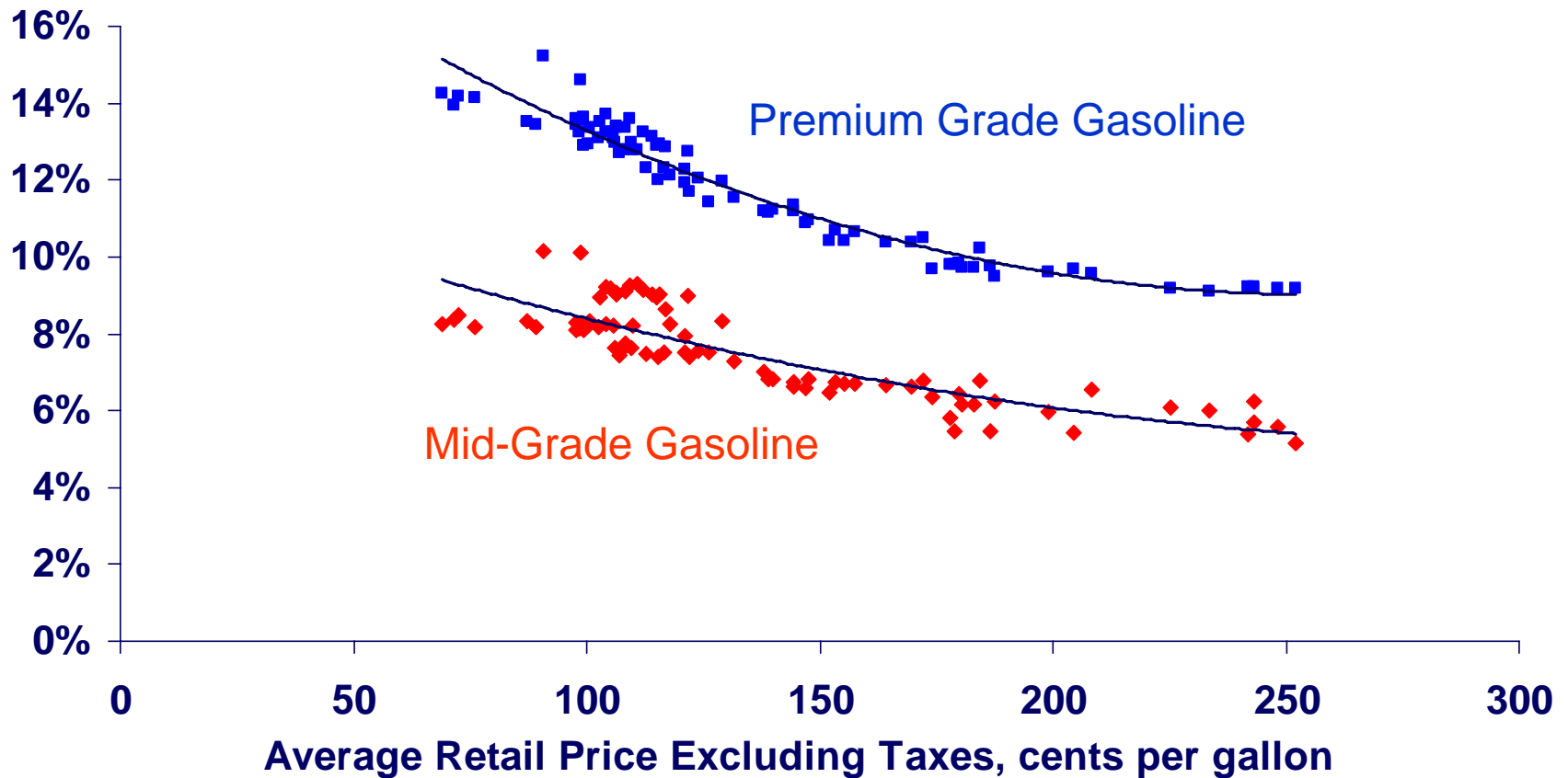
FHWA – Federal Highway Administration

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# Switching To Regular Gasoline Reduces Price Impact

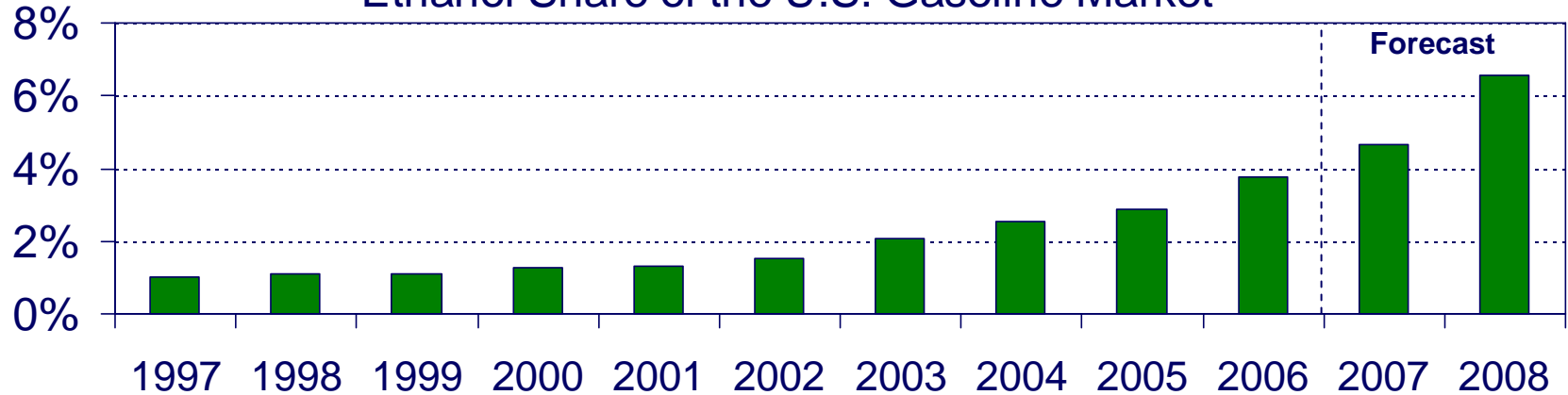
Share of Gasoline Market  
Jan 2000 - Dec 2006



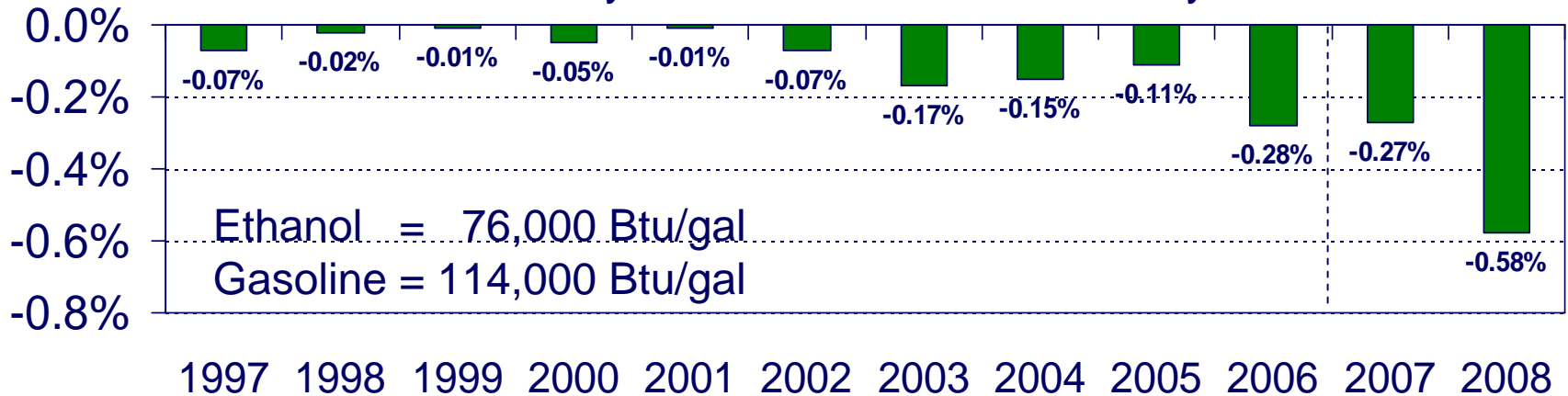
Source: EIA, *Petroleum Marketing Monthly*, March 2007.

# Ethanol Reduces Fuel Economy

Ethanol Share of the U.S. Gasoline Market



Year-over-year Decline in Fuel Economy



Source: EIA, *Short-Term Energy Outlook*, March 2007, and EIA calculations.

# Thank you

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