



# **EPA Mandates & C.V. Demand: SURFS UP**

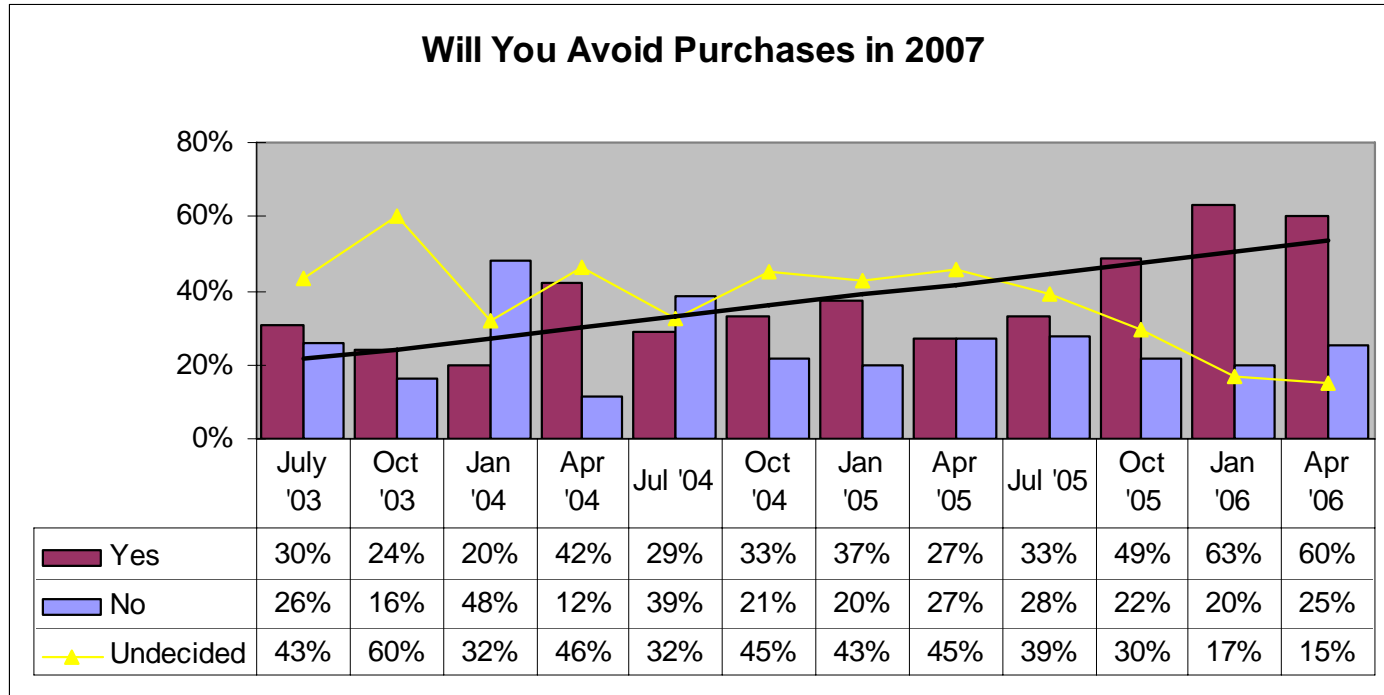
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Federal Reserve Bank  
Automotive Outlook Symposium  
June 1-2, 2006

# Critical Demand Components Aligned

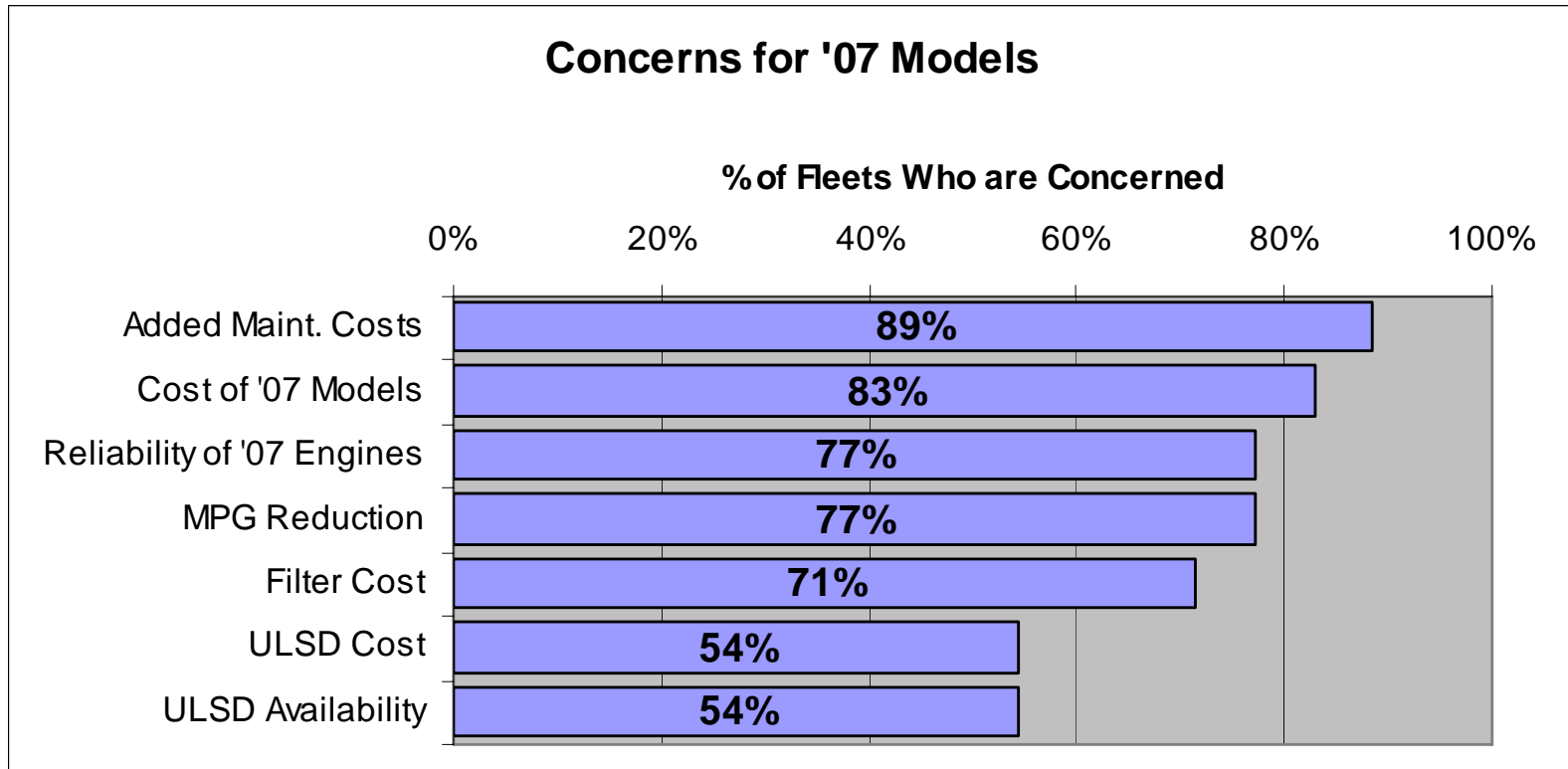
- ***Emissions mandate aside, 2006 was going to be a very good year for CV industry & trucker***
  - Economy generating new freight to haul
  - Strong trucker profits
  - Used equipment supply/demand equilibrium
  - Credit is available
- 2007 EPA mandate turns 2006 into record class 8 demand year

# 2007 Purchases



Clear majority in our group are planning to avoid 2007 model equipment. The drastic change in this opinion occurred last October – driving strong 2006 orders. For Hire TL Carriers were the most likely to answer yes

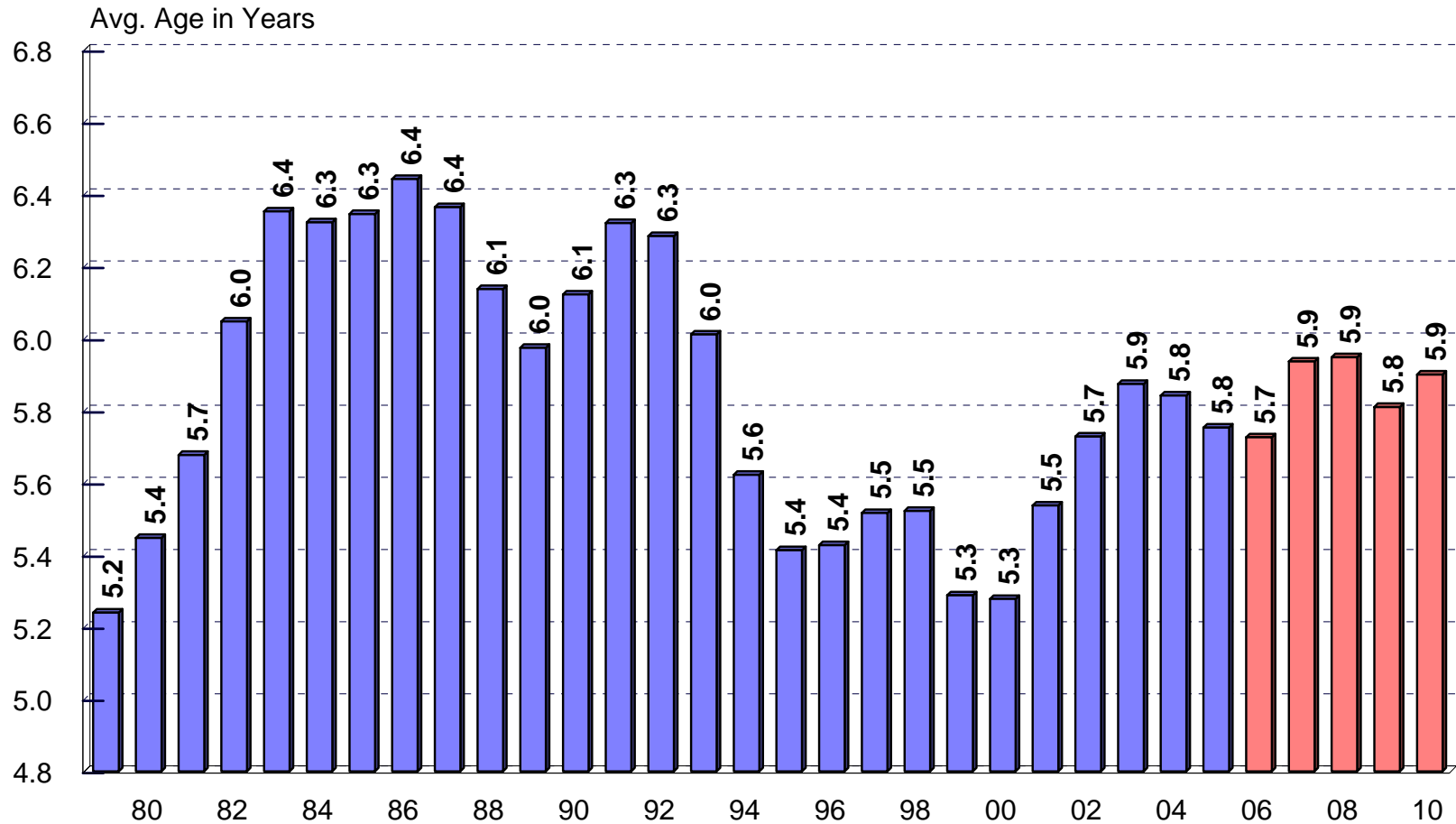
# Concerns Regarding 2007 Models



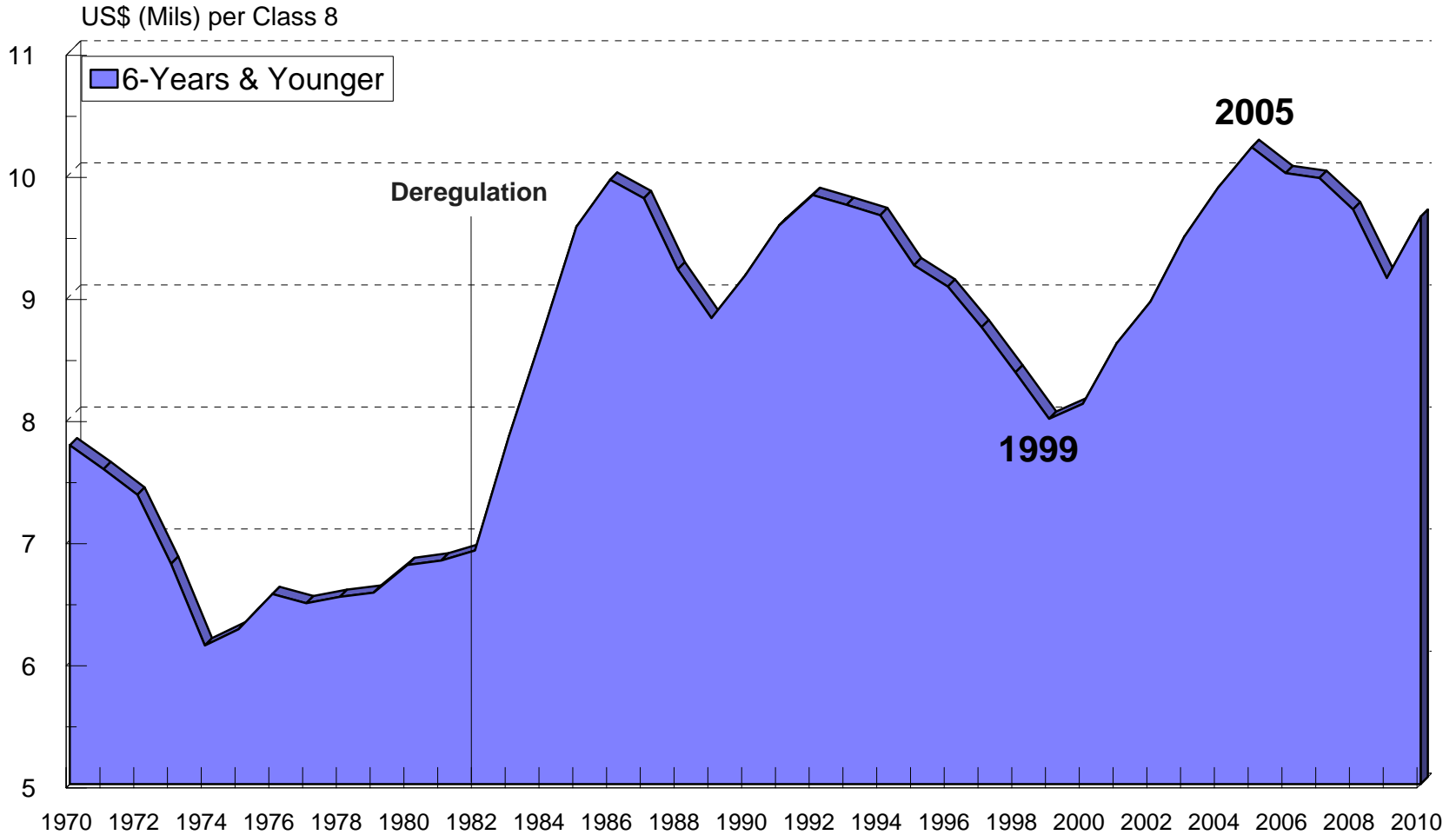
Concerns as stated in July 2005

# AVERAGE AGE: U.S. Class 8 Active Population

1979 - 2010e

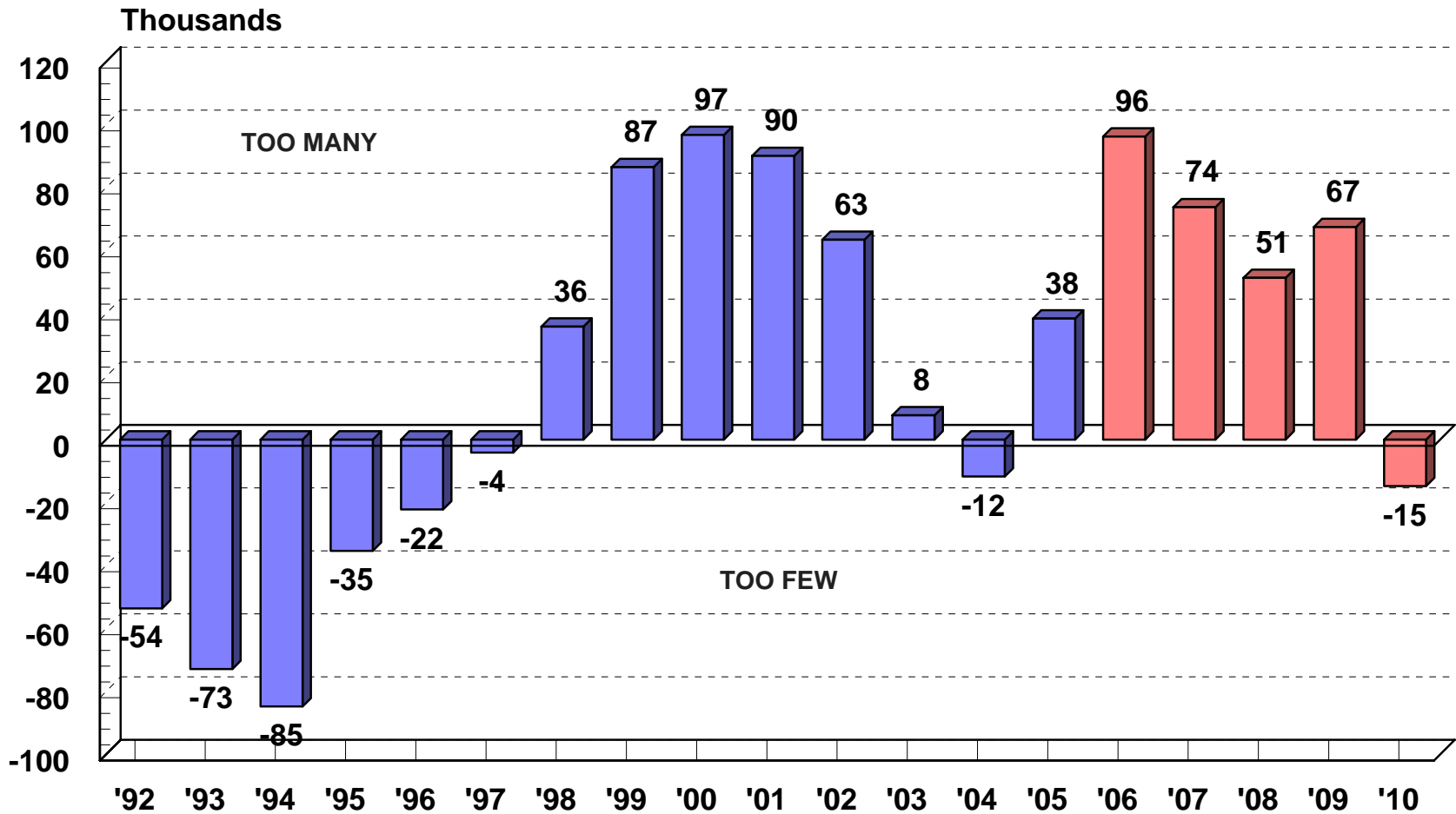


# Class 8 Late Model Population: Real GDP per Tractor 1970 - 2010f



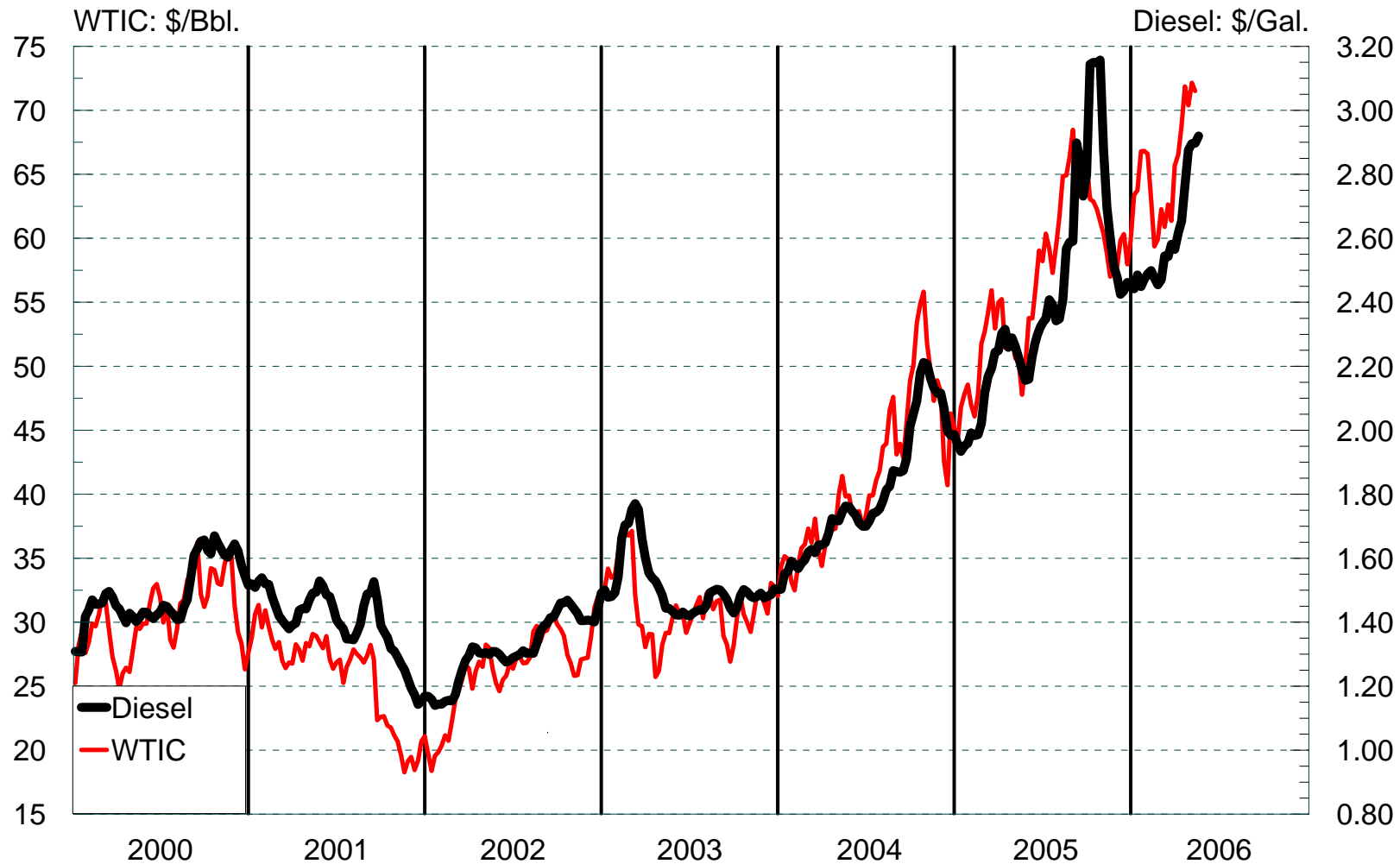
# Cummulative Over/Underbuy: Class 8 Population Relative to GDP Growth

1992 - 2010e



# Weekly Diesel Fuel & Spot Crude Oil (WTIC) Prices

2000-2006 (Week 20)



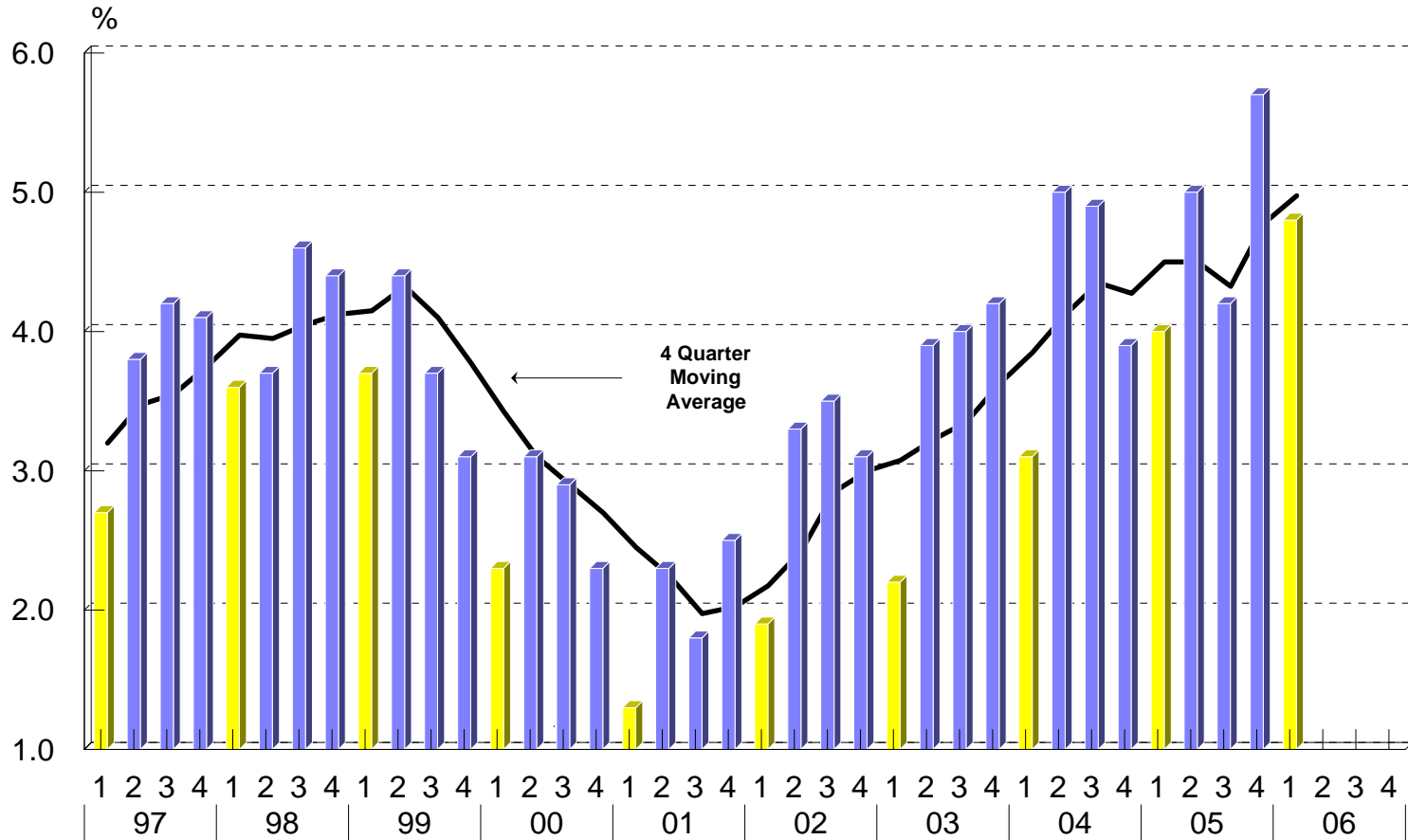


# Truckload Carriers

- **Regardless of their size, for-hire truckers in business today understand their operating costs**
- Freight environment:
  - Strong in Q4'05, seasonal drop in Q1'06
  - Shippers indicate ongoing tight truckload capacity
  - Revenue per mile continued to rise at double-digit (y/y%) rate in Q1'06
- Rising costs
  - Fuel
  - Driver shortage
    - Being alive no longer a sufficient qualification (Liability, insurance, security, etc.)
- Fleet fiscal discipline and driver shortage eliminate overcapacity and improve profitability
- **This cycle, drivers, not equipment, are true measure of capacity**

# TL Carrier Database: Net Profit Margin

Q1'97 - Preliminary Q1'06

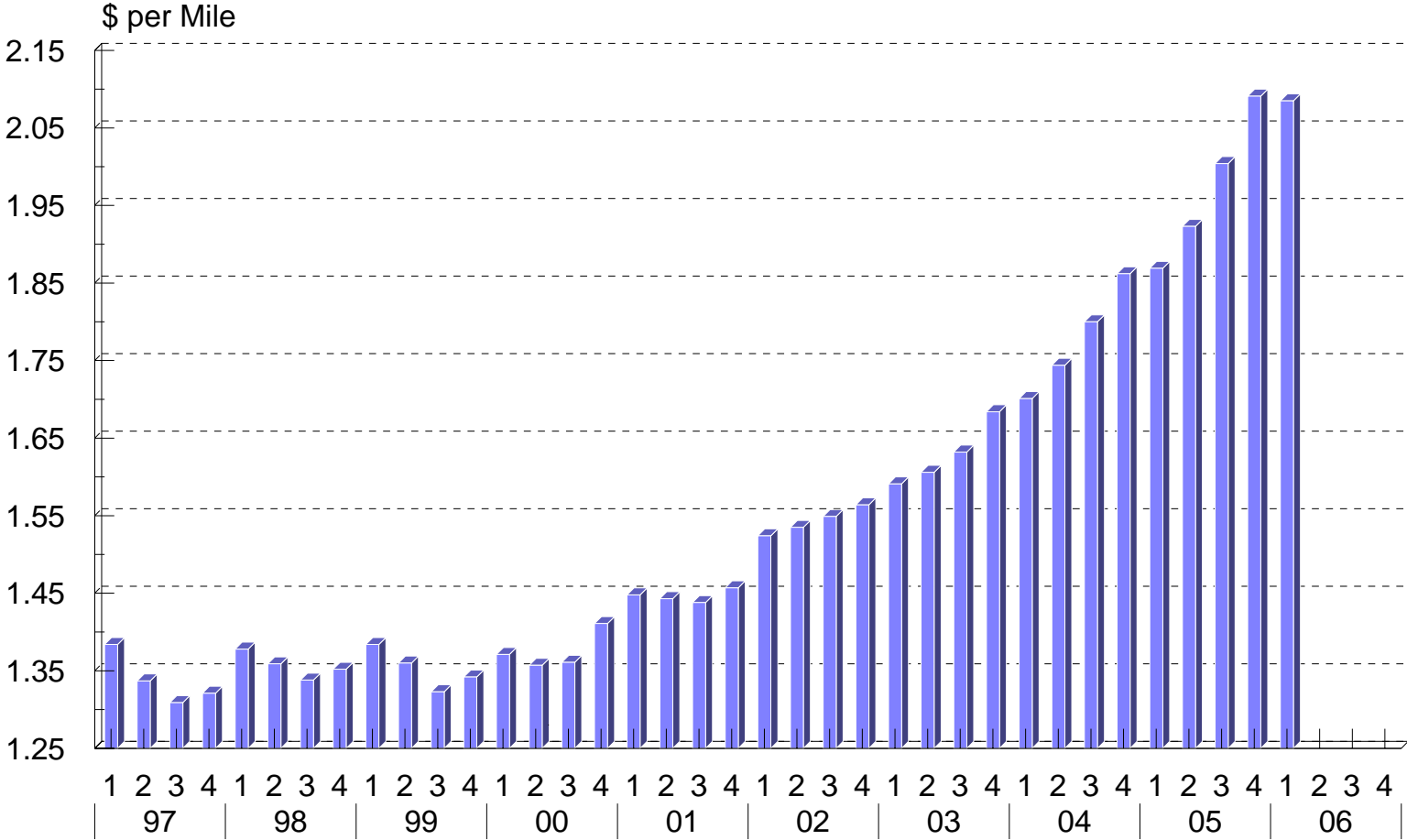


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# TL Carrier Database: Revenue Per Total Mile

Q1'97 - Preliminary Q1'06

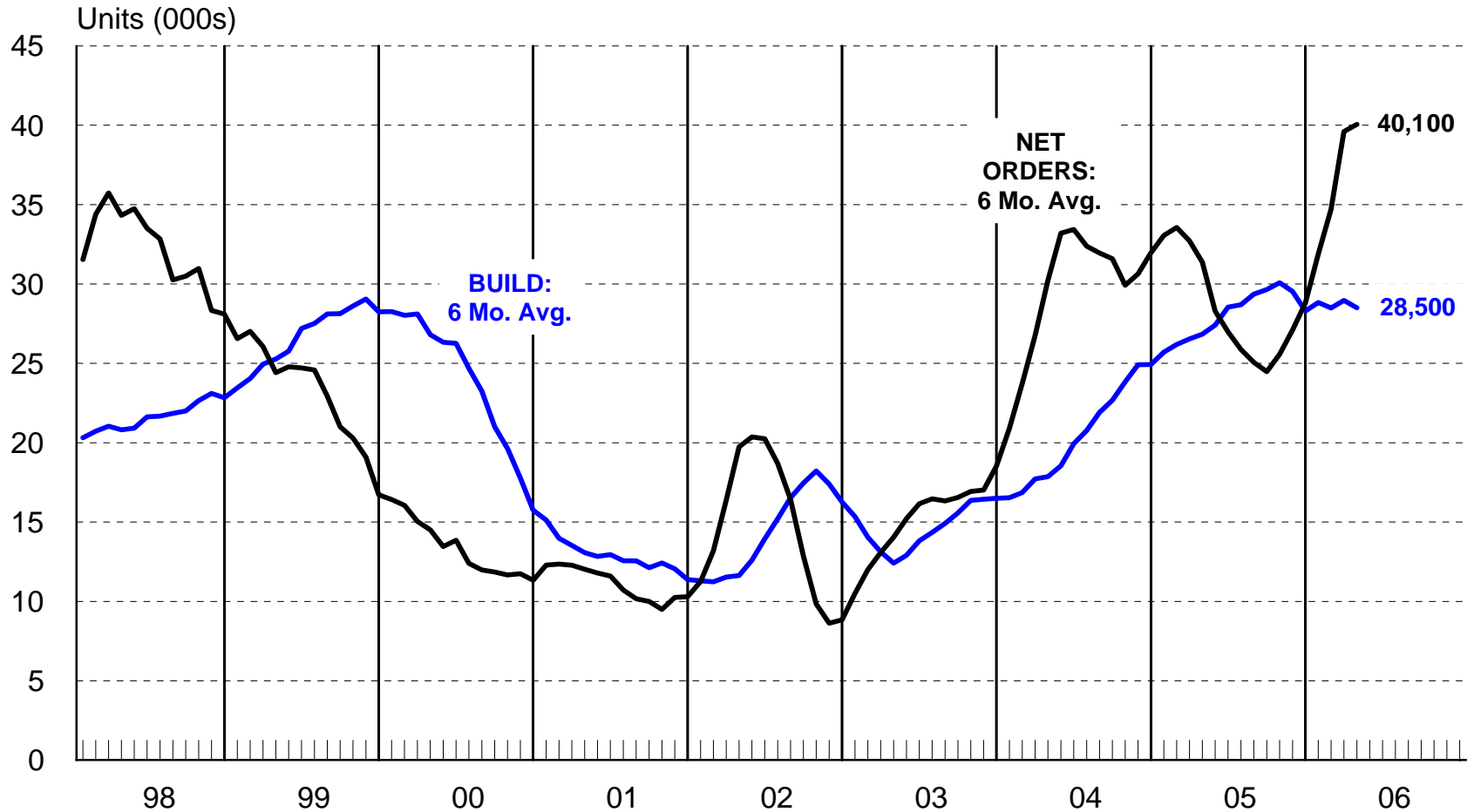


# Class 8 Market Indicators

- String of record order months ends in April
- Cancellations remain on trend and at low levels
- Backlog rolls over in April
- Build rates steady at high levels
- Retail sales set record in March, at record levels in April
- Strong sales holding inventories in check

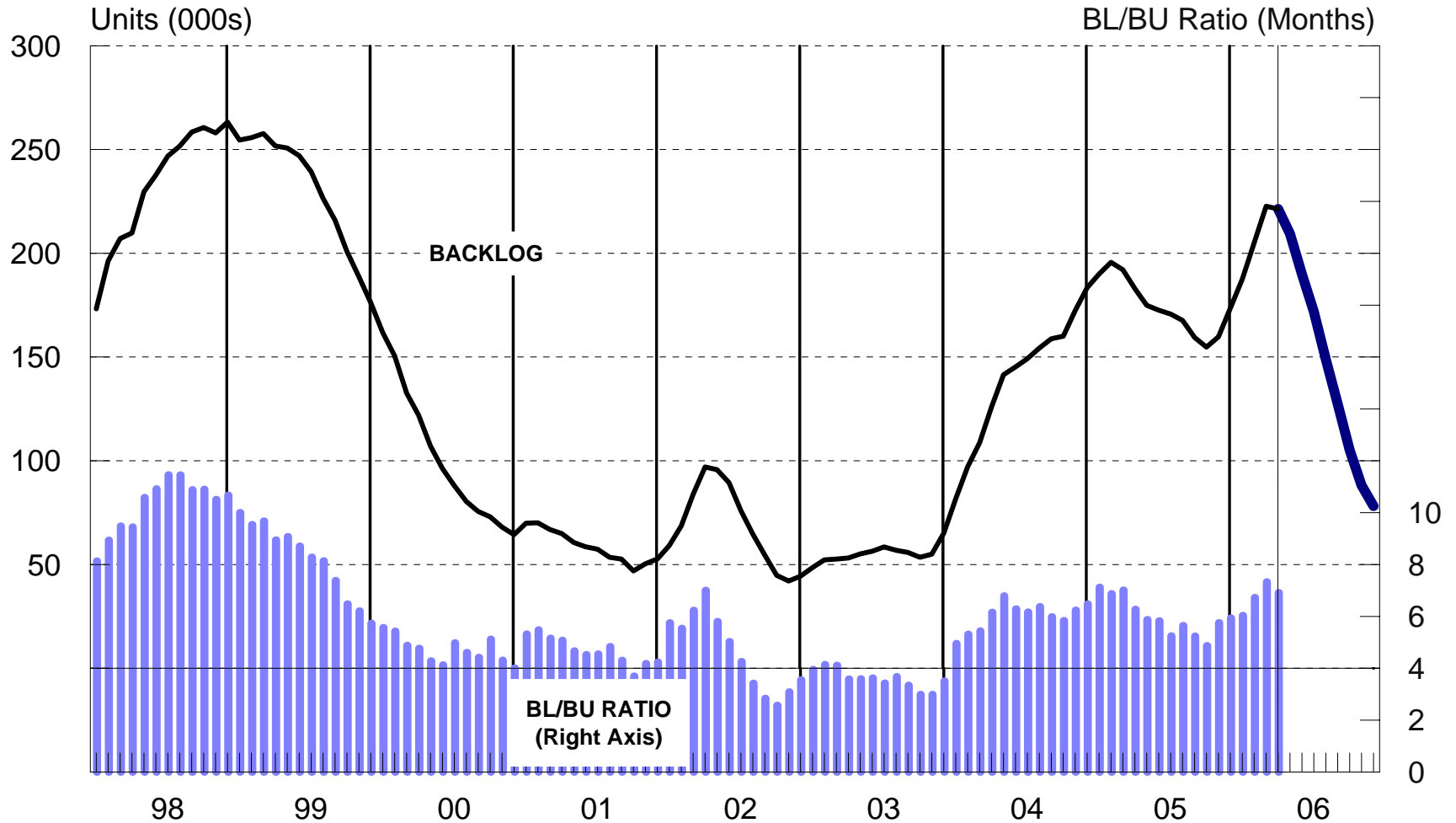
# TOTAL CLASS 8: N.A. NET ORDERS & BUILD - 6 Mo. Avg.

January '98 - April '06 (Not Seasonally Adjusted)



# TOTAL CLASS 8: N.A. BACKLOG & BL/BU RATIO

January '98 - April '06 (Not Seasonally Adjusted)

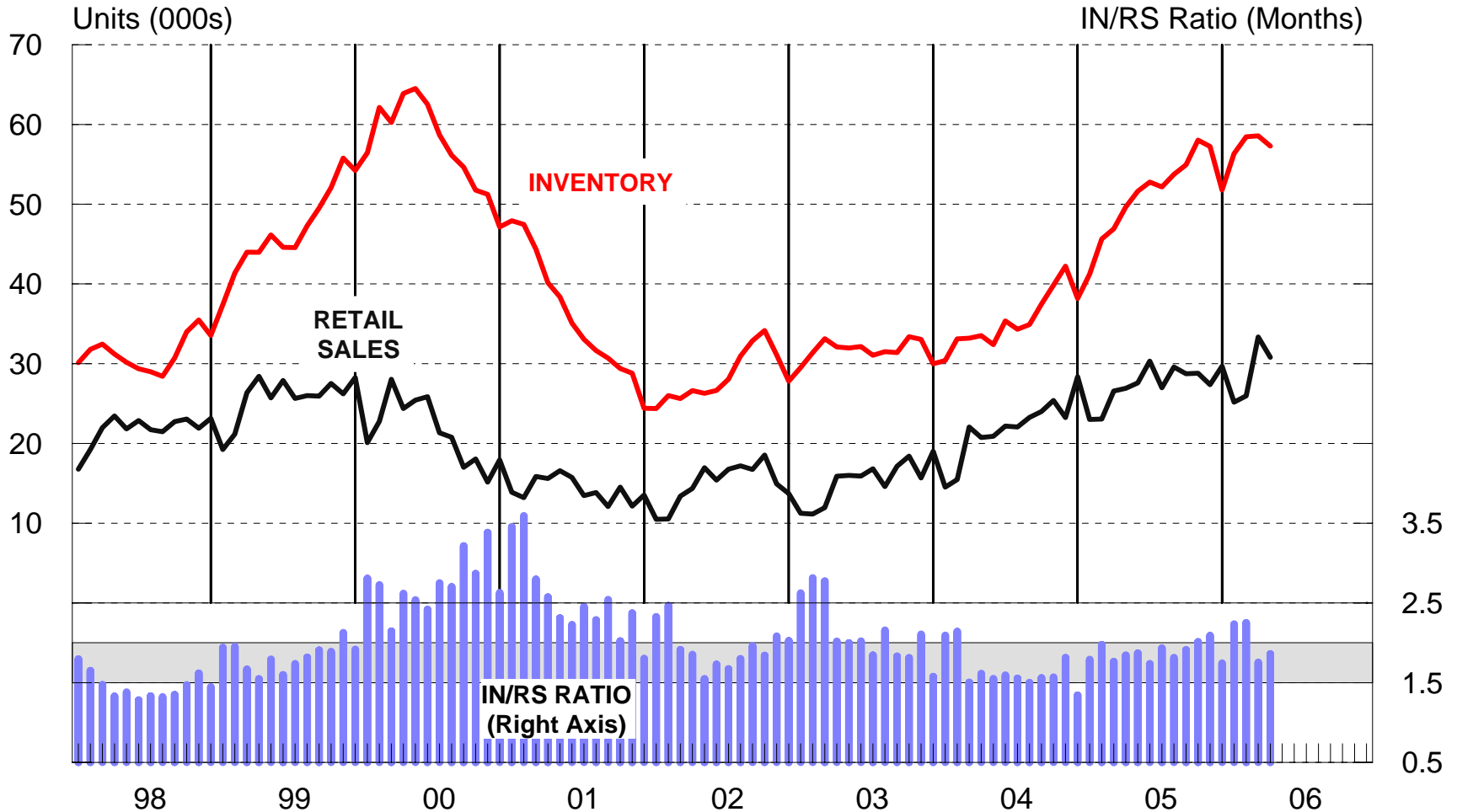


## Build Timing of Units in Backlog: as of April 30, 2006

<b><u>CLASS 8</u></b>		<b>Bal. Q2'06</b>	<b>Q3'06</b>	<b>Q4'06</b>	<b>Q1'07</b>		
	<b><u>Jan.-Apr.</u></b>	<b><u>May-June</u></b>	<b><u>July-Sep.</u></b>	<b><u>Oct.-Dec.</u></b>	<b><u>Jan.-Mar.</u></b>	<b><u>Beyond</u></b>	<b><u>TOTAL</u></b>
<b>BACKLOG DISTRIBUTION</b>	--	<b>61,122</b>	<b>78,861</b>	<b>71,861</b>	<b>7,837</b>	<b>1,669</b>	<b>221,350</b>
. Mix by scheduled build date	--	27.6%	35.6%	32.5%	3.5%	0.8%	100.0%
<b>OEM BUILD PLAN (SOI, p.19)</b>	120,895	<b>63,341</b>	<b>85,824</b>	<b>85,300</b>	--	--	<b>355,360</b>
. Open build slots in 2006	--	<b>2,219</b>	<b>6,963</b>	<b>13,439</b>	--	--	<b>22,621</b>
. % Open	--	3.5%	8.1%	15.8%	--	--	--

# TOTAL CLASS 8: N.A. INVENTORY/RETAIL SALES RATIO

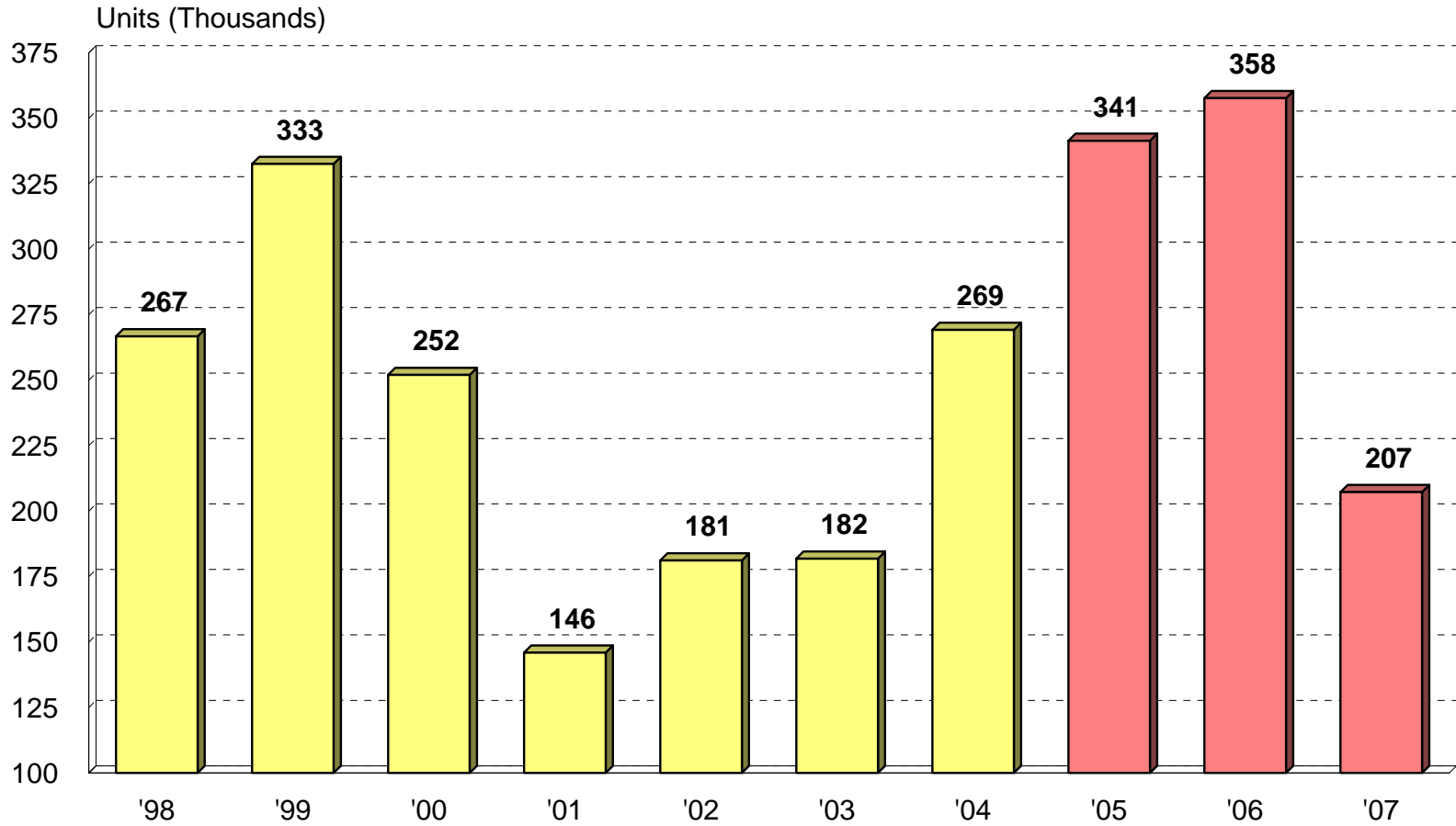
January '98 - April '06 (Not Seasonally Adjusted)





# N.A. Class 8 Production

1998-2007



# Class 8 Summary

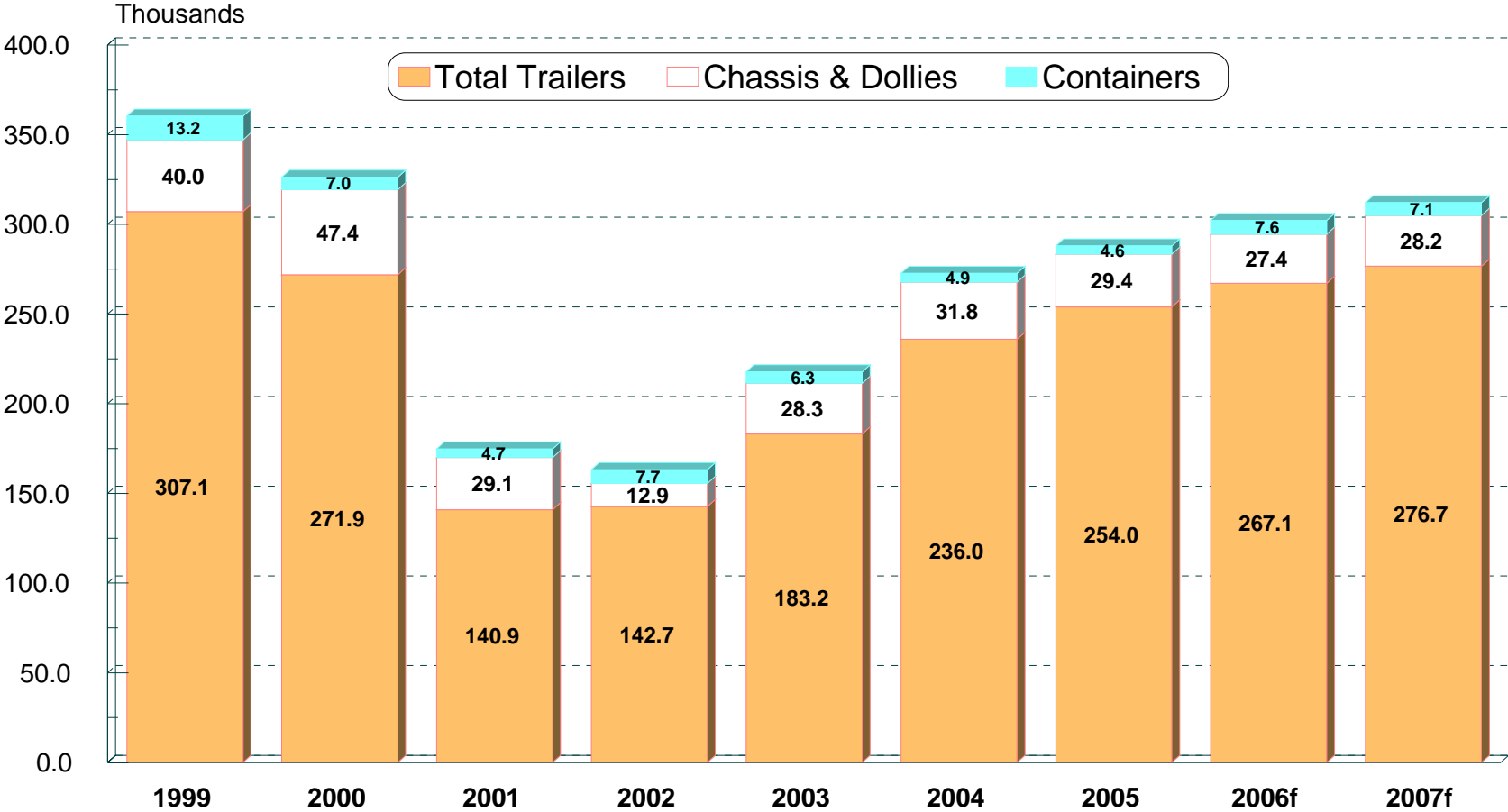
- What will the velocity of the U.S. economy be in late 2006/early 2007?
  - A lot of late model equipment will be in service by the end of 2006 thanks to strong Class 8 sales in the 2004-2006 period
  - New and used truck inventory volumes could be at uncomfortably high levels in early 2007
    - New inventories entirely of pre-mandate units

# Current Trailer Market Data

- Spring order rebound winding down
- Cancellation activity remains at low levels
- Backlogs roll over in April after strong rise through Q4, Q1
- Build rates likely to remain near current levels into early 2007

# U.S. Trailer Industry Shipments

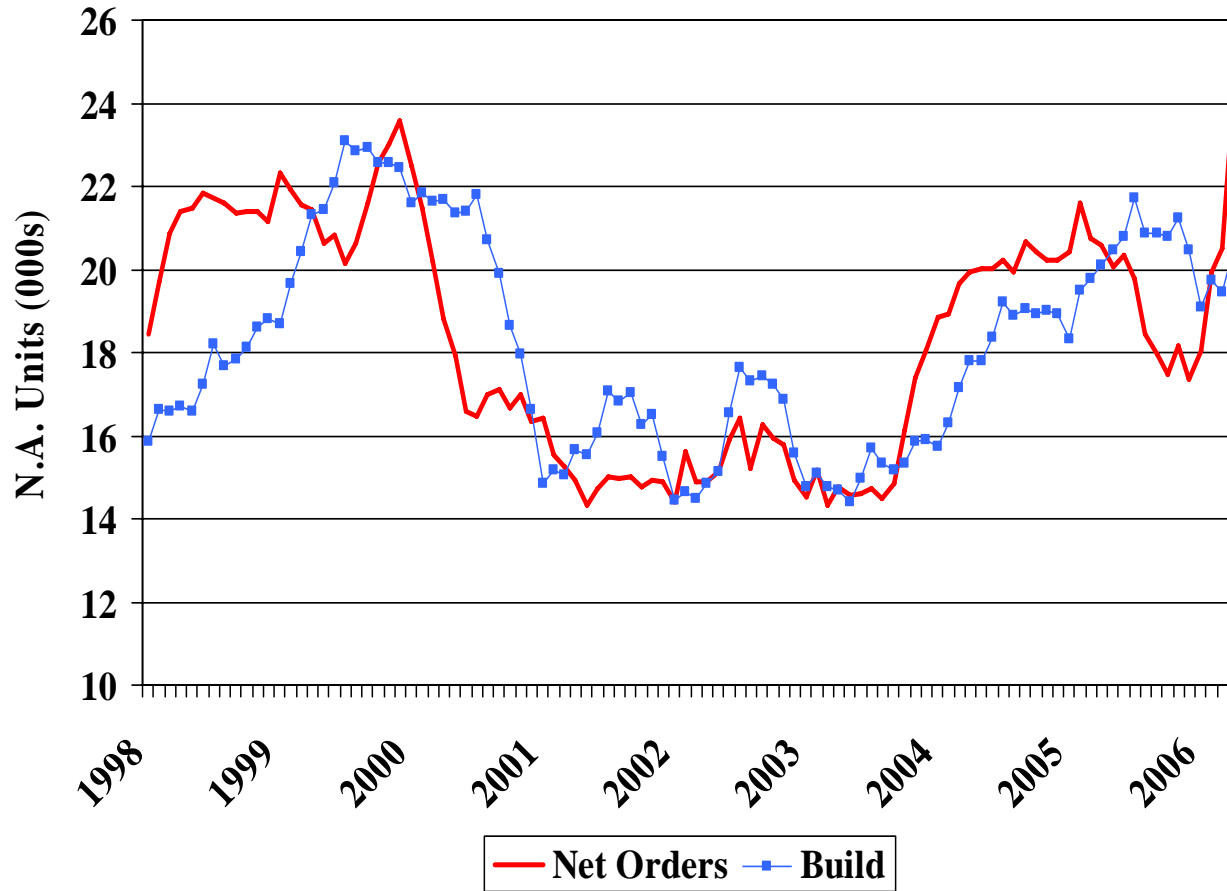
1999 - 2007



Source: ACT Publications

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# Total Medium Duty Market Net Orders and Build 6 MMA



# Medium Duty Trucks Market Description

- Largest N.A. medium duty segment (67%)
- 16,001 to 33,000 lbs GVW (Classes 5-7)
- 135+ different applications
- Demand drivers
  - Consumer spending drives majority of demand
  - New and used home sales, durable goods orders
  - Business spending, government budget issues

# N.A. Classes 5-7 Production

1998-2007

