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VEHICLE SALES OUTLOOK

20th Annual Automotive Outlook Symposium Federal Reserve Bank of Chicago

> C. Jenny Lin May 31, 2013

BUSINESS ENVIRONMENT OVERVIEW



<u>Global</u>

- Global economic growth in the 2% 3% range in 2013
- Major central banks undertaking a policy of low interest rates and asset purchases
- Japan's government and central bank targeting a weak yen to stimulate the economy Americas
- U.S. economic growth in 2% 2.5% range this year supported by housing recovery
- U.S. fiscal policy drag restraining growth in 2013; housing sector recovery a major offset to budget cuts
- Sub-par economic performance in Brazil; elevated risks in Argentina and Venezuela

<u>Europe</u>

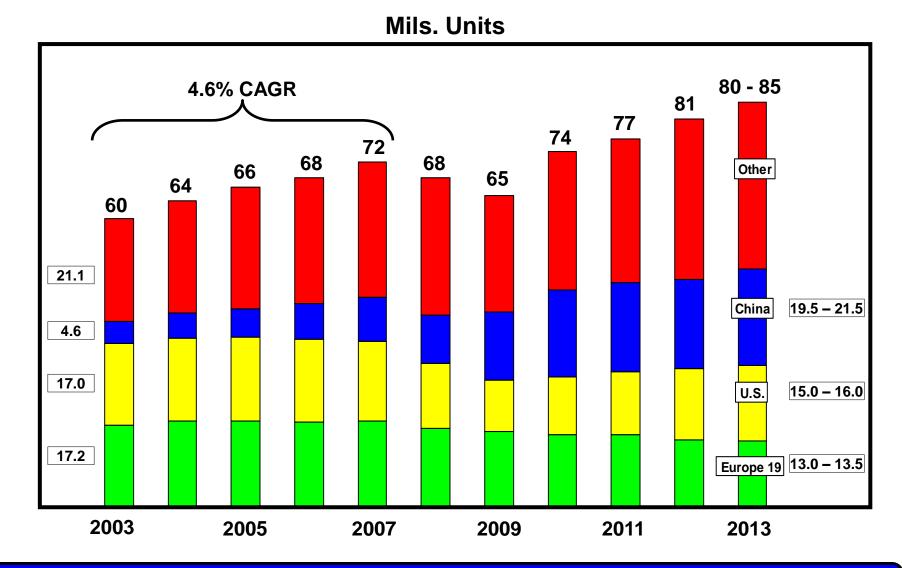
- Euro Area recession to continue in 2013; some early signs of stabilization are beginning to emerge
- Policy actions have contained the crisis, but unemployment remains high

Asia Pacific Africa

- Economic recovery in China in the 7.5 8% range; India's growth remains significantly below trend
- Good potential for growth in ASEAN markets supported by domestic demand

Global Economic Recovery Hampered By European Downturn

GLOBAL INDUSTRY SALES



2013 Global Volume Of 80 - 85 Million Units



U.S. SALES FUNDAMENTALS



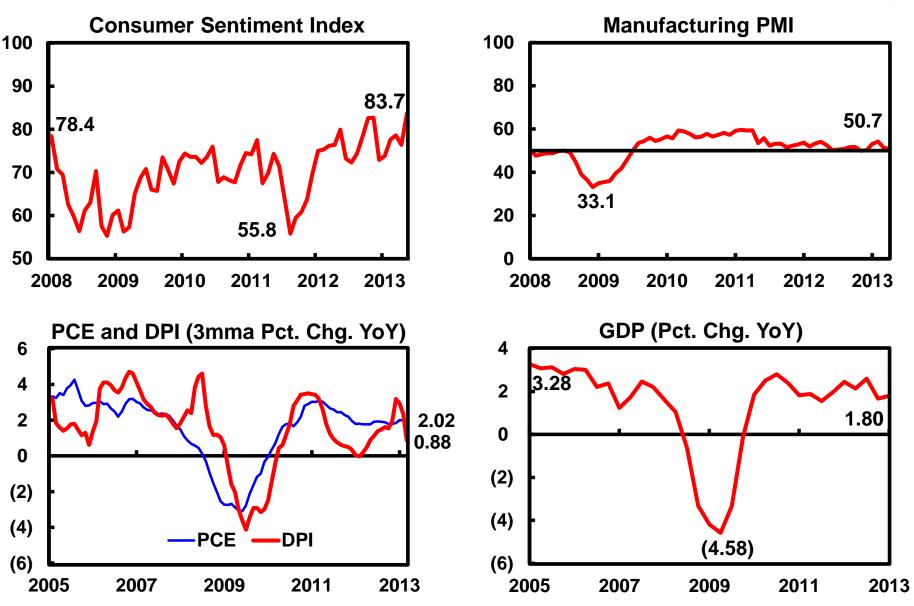
Near-Term Factors

- Modest economic growth in 2 2.5% range
- Slowing manufacturing expansion
- Wide swing in consumer sentiment
- Favorable credit conditions and improving household balance sheet
- Continued improvement in employment and income dynamics
- Fuel pricing influences segment choice
- Low interest rates

Long-Term Factors

- Vehicle stock age -- above 11 years
- Number of new drivers -- over 2 million in 2011
- Household formation by mid-decade

U.S. KEY ECONOMIC INDICATORS

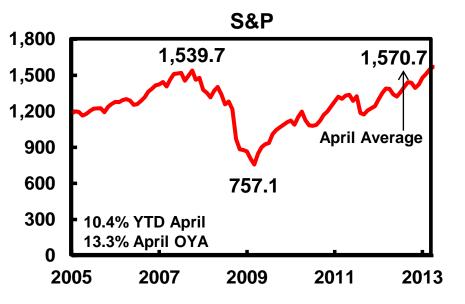


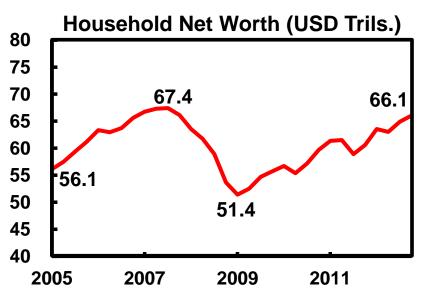
PCE: Personal Consumption Expenditure DPI: Disposable Personal Income

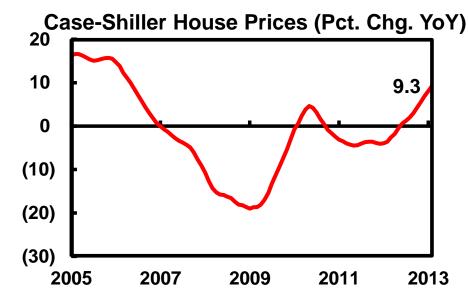


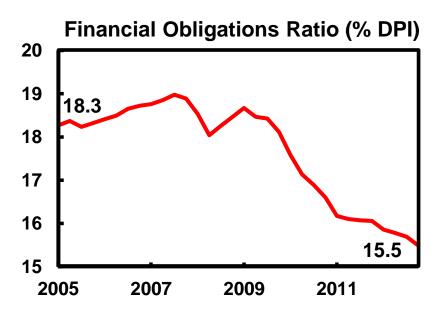
U.S. KEY ECONOMIC INDICATORS







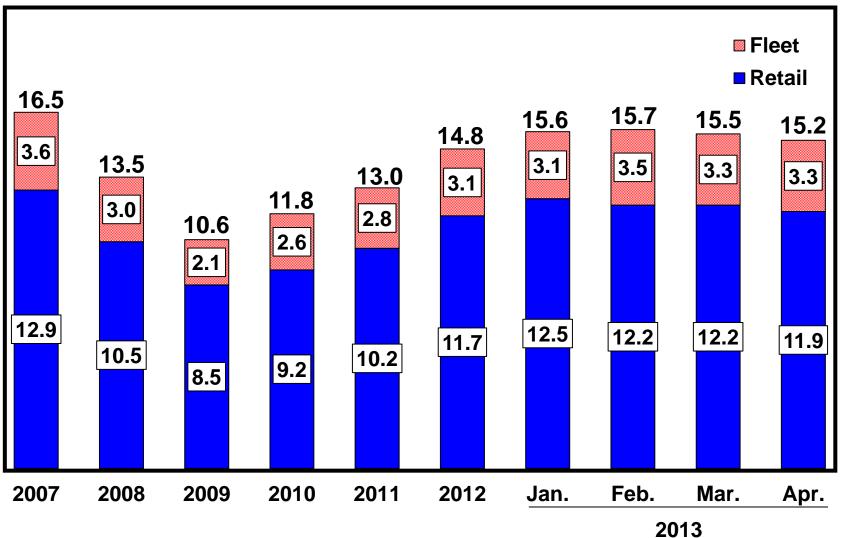




U.S. TOTAL NEW VEHICLE SALES

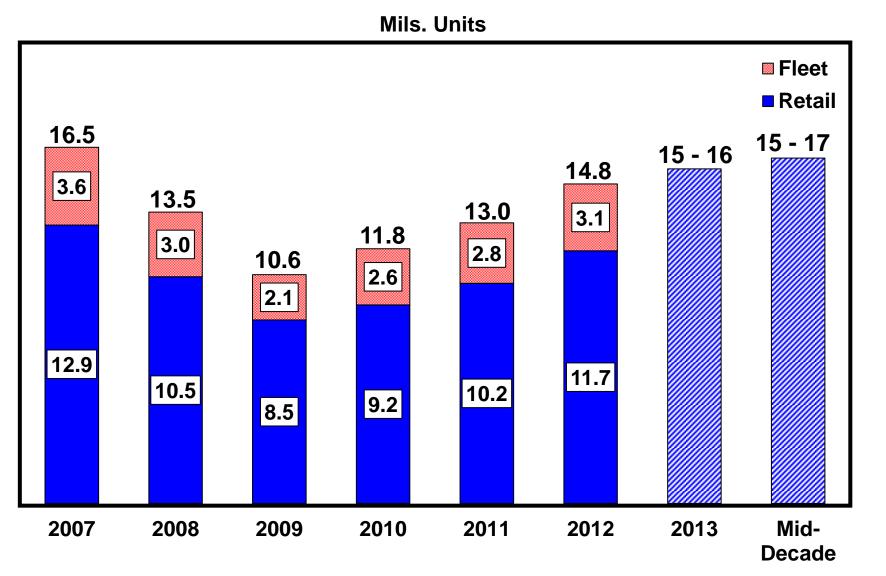






U.S. TOTAL NEW VEHICLE SALES

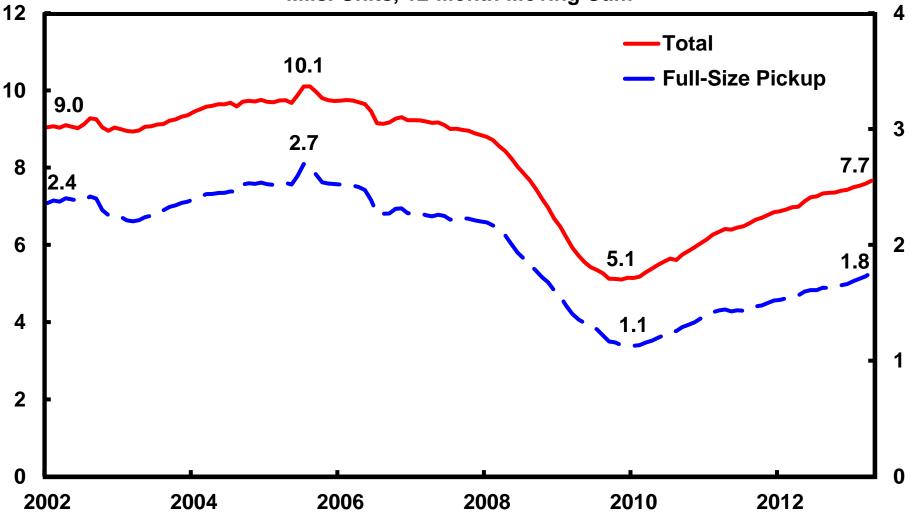




U.S. MONTHLY TRUCK SALES

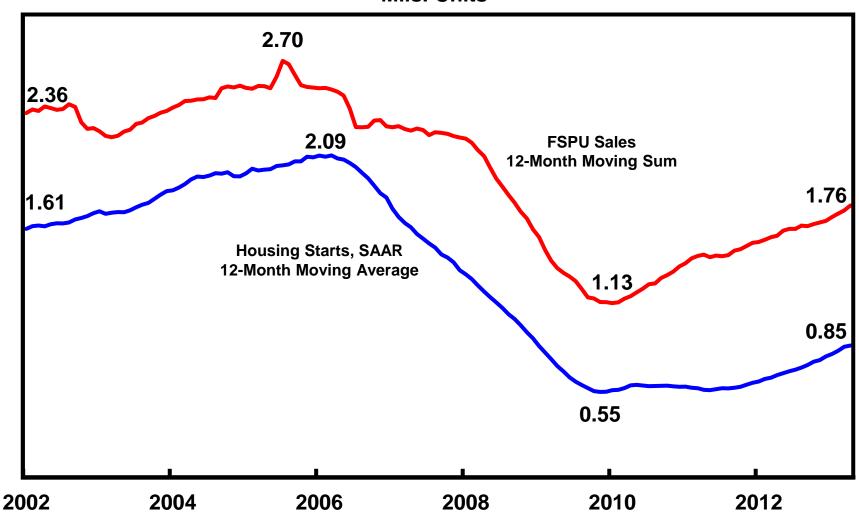






U.S. FULL-SIZE PICKUP SALES AND HOUSING **STARTS**

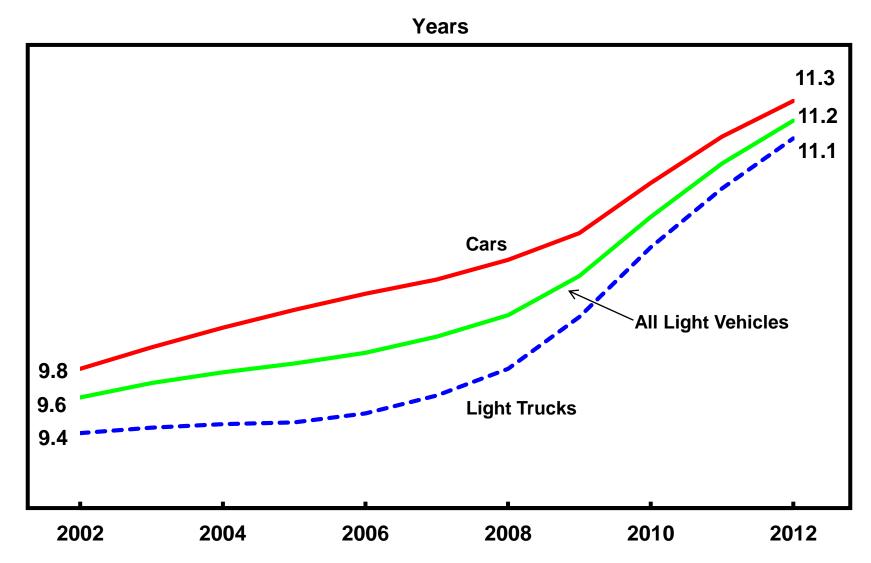






U.S. AVERAGE AGE OF CARS AND TRUCKS





Source: R. L. Polk

SUMMARY



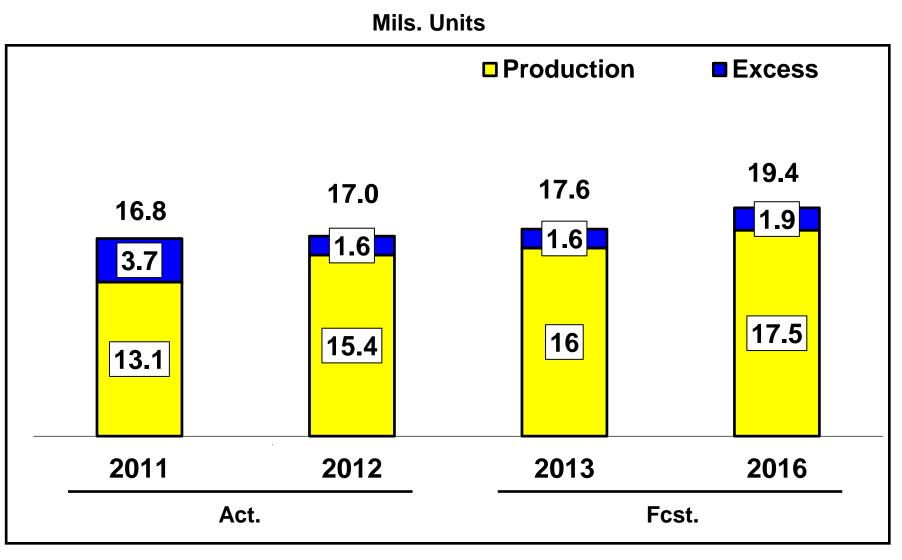
- U.S. industry sales recovery continues, reaching 15 16 million units in 2013
 - Housing sector advances
 - Household balance sheet repairs
 - Interest rates remain low
 - Job market improves
- Near-term risks center around restrictive and uncertain fiscal policy
- Long-term industry sales supported by household formation, population growth, and replacement demand returning to trend



BACKUP

NORTH AMERICA PRODUCTION AND CAPACITY





Memo: Excess as Pct. of Production