

Macro-Industrial Working Group 2

Macro section



Macro-Industrial Working Group

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**WORKING GROUP PRESENTATION FOR DISCUSSION PURPOSES
DO NOT QUOTE OR CITE AS RESULTS ARE SUBJECT TO CHANGE**

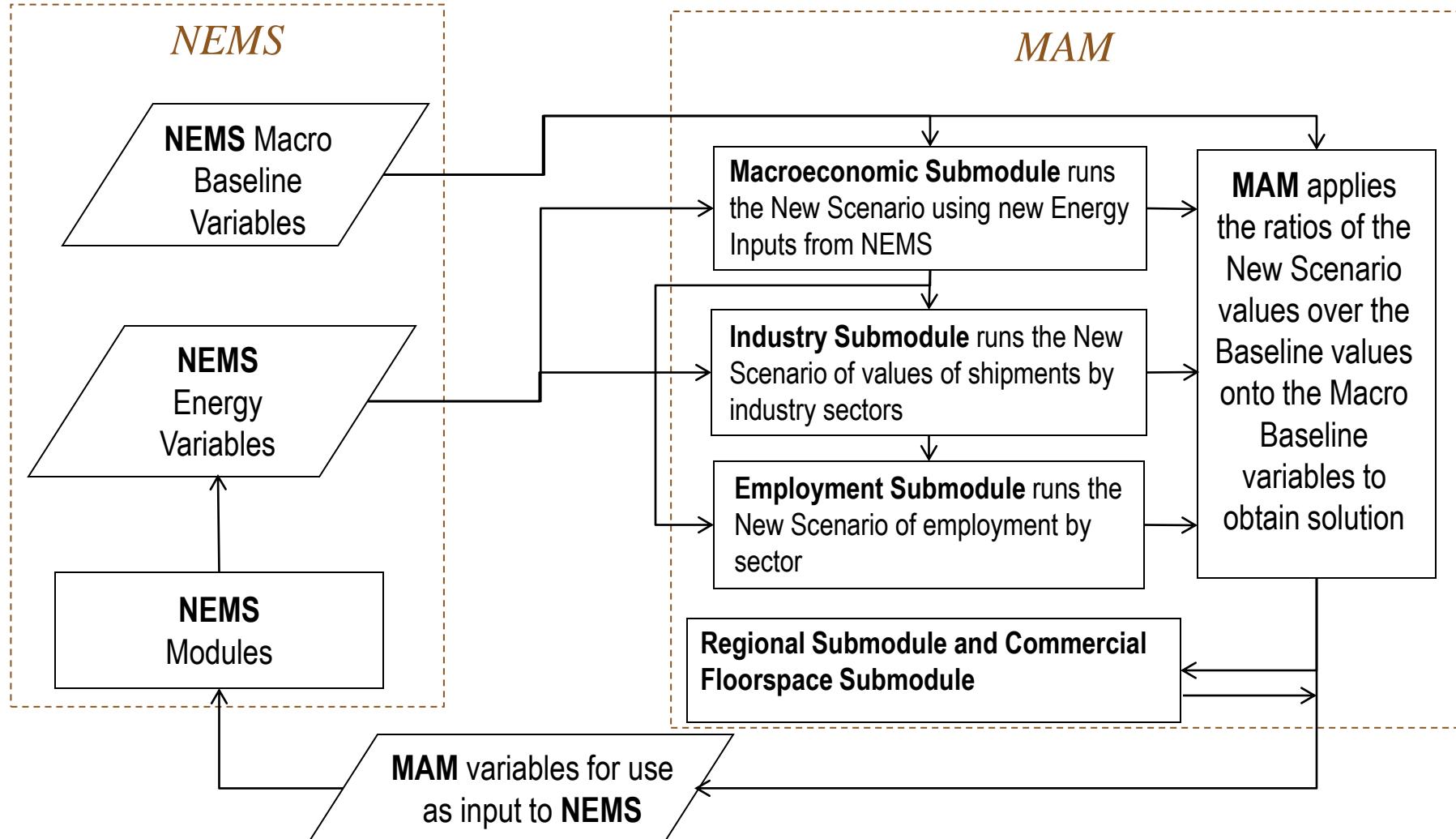
Overview

- The overall macroeconomic outlook
- The detailed industrial production outlook
- Summary employment and commercial floor space outlook
- Concluding remarks

Macroeconomic Explanations for Industrial Output Growth

- Exports grow faster than imports so more of industrial output satisfied domestic demand
- Compared to AEO2012, imports grow more slowly than exports. In the AEO2012, imports grow by 4.3 percent (2012 to 2040), while exports grow by 5.7 percent. For the preliminary AEO2013, imports grow by 3.9 percent while exports grow by 5.5 percent. So compared to the AEO2012, this year more of the industrial output again satisfies domestic demand.
- More detailed inclusion of increased unconventional natural gas impacts on other industries, primarily concentrated in bulk chemicals, primary metals and metal based durables.

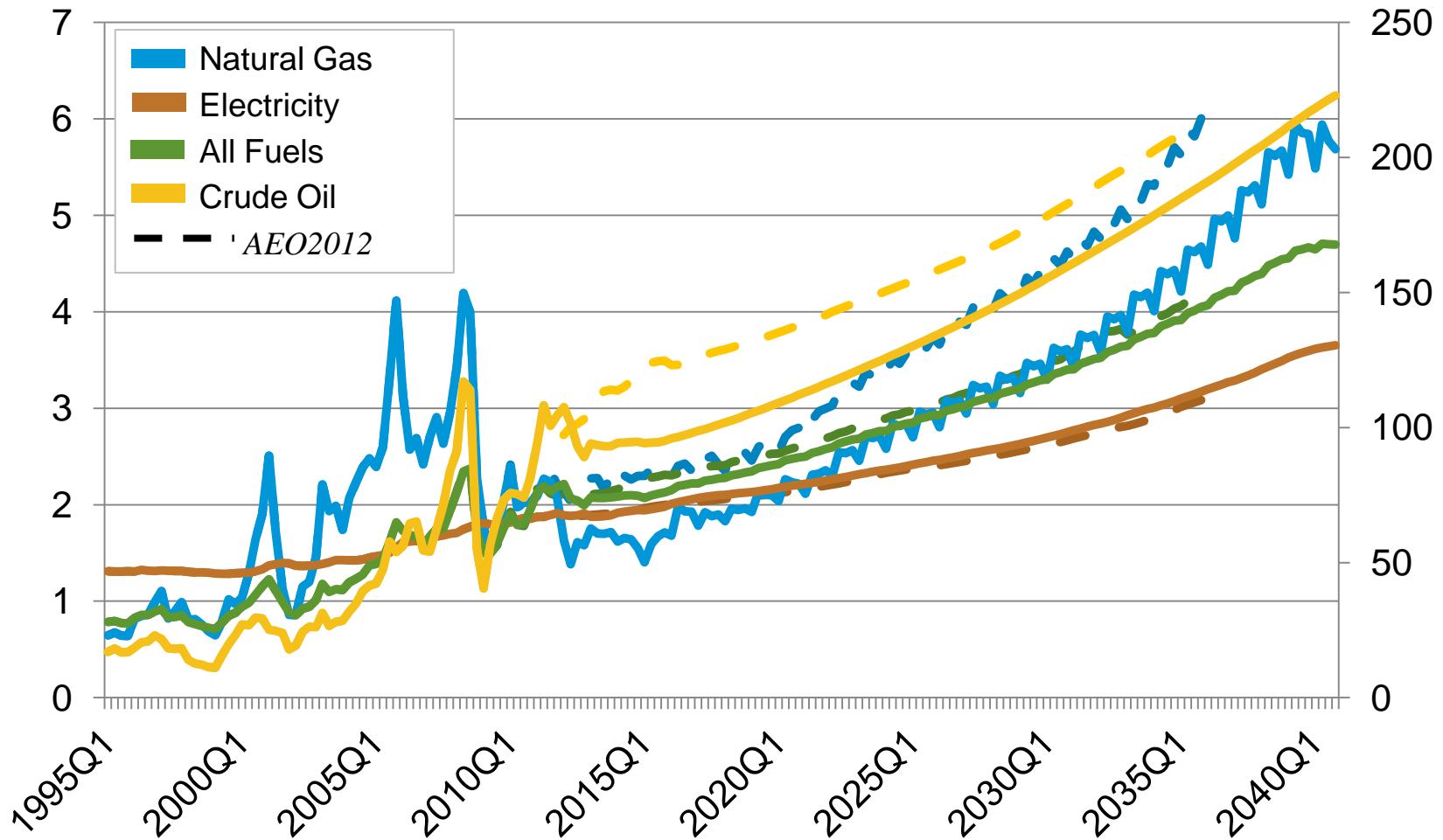
National Energy Modeling System (NEMS) Macroeconomic Activity Module (MAM)



Preliminary prices

Price Index (1982=1)

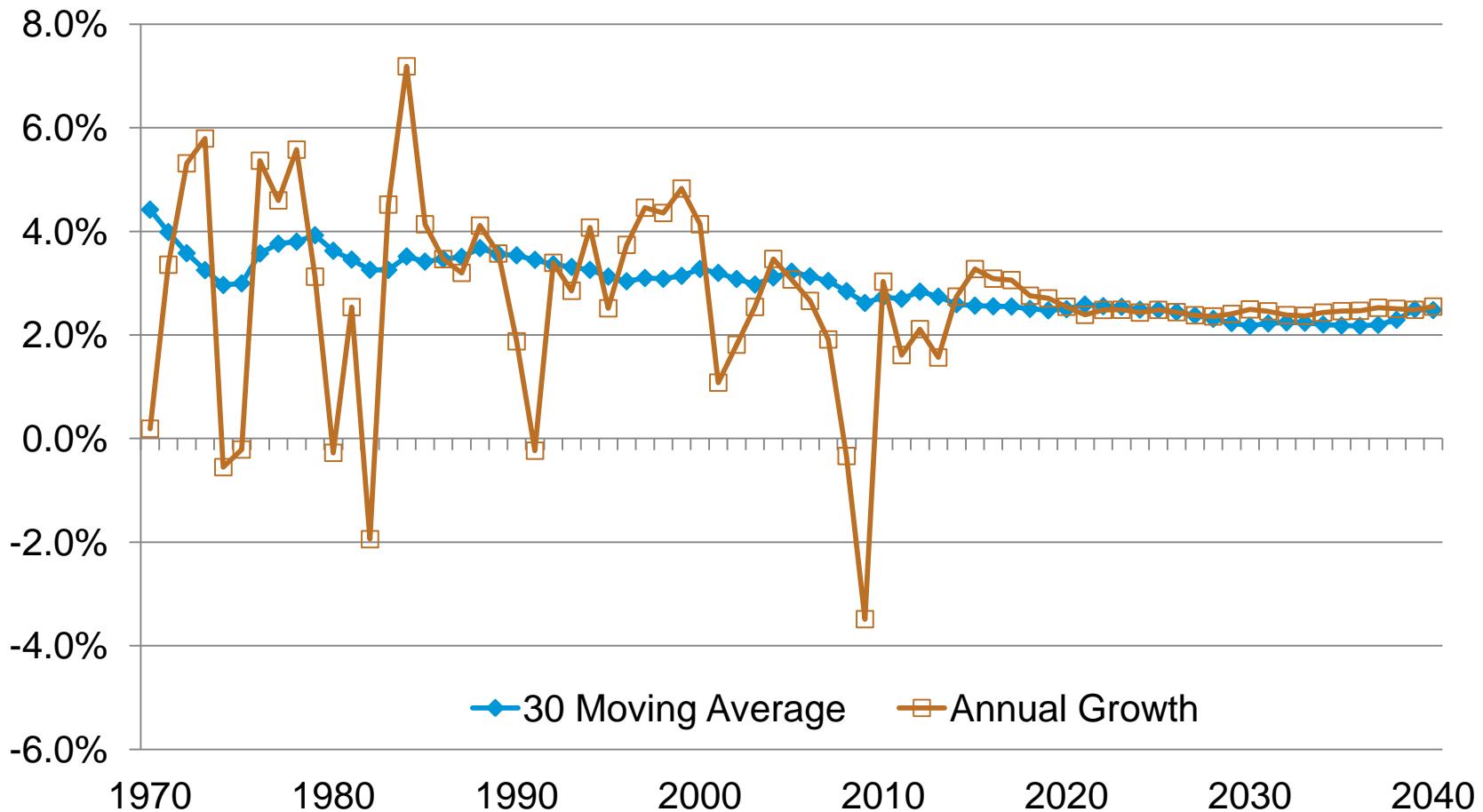
Average crude oil price (\$ per barrel)



Source: ref2012/d020112c and ref2013/d090612a

U.S. GDP growth rates

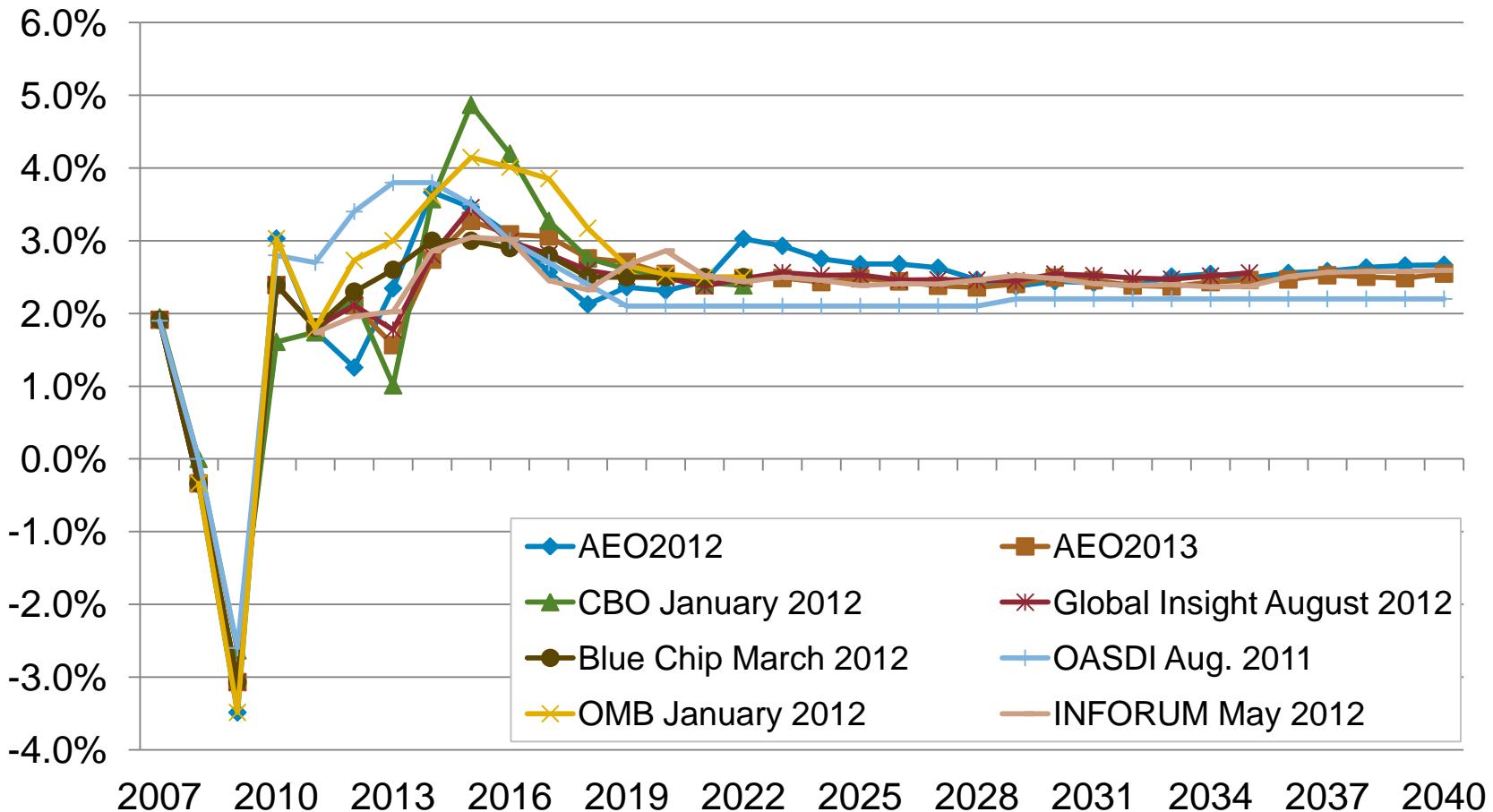
Annual % change



Source: BEA and ref2013/d090612a

U.S. GDP comparison with other forecasts

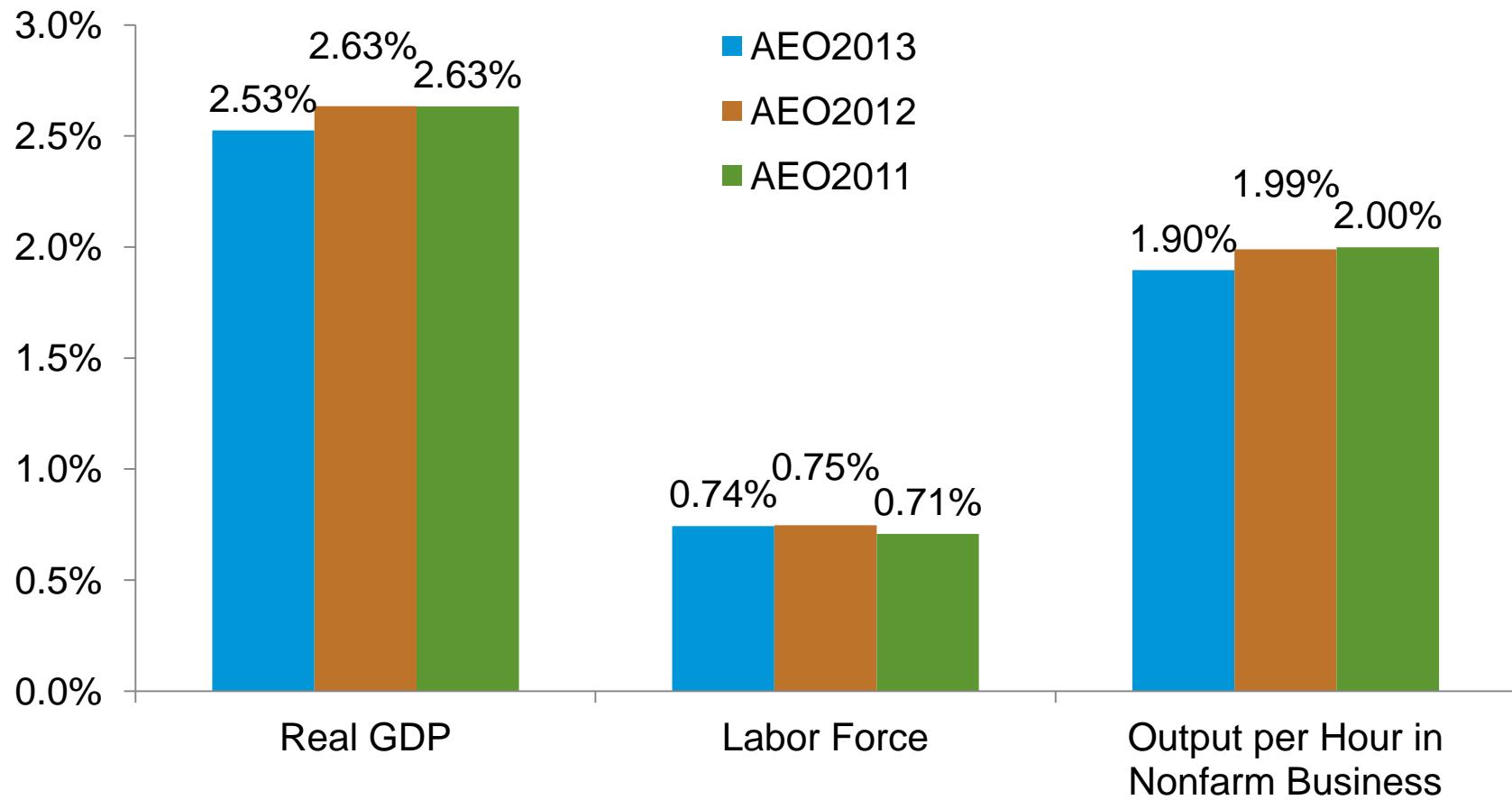
Annual % change



Sources: ref2012/d020112c, ref2013/d090612a, CBO, IHS-GI, Blue Chip, OASDI, OMB, INFORUM

Macroeconomic indicators

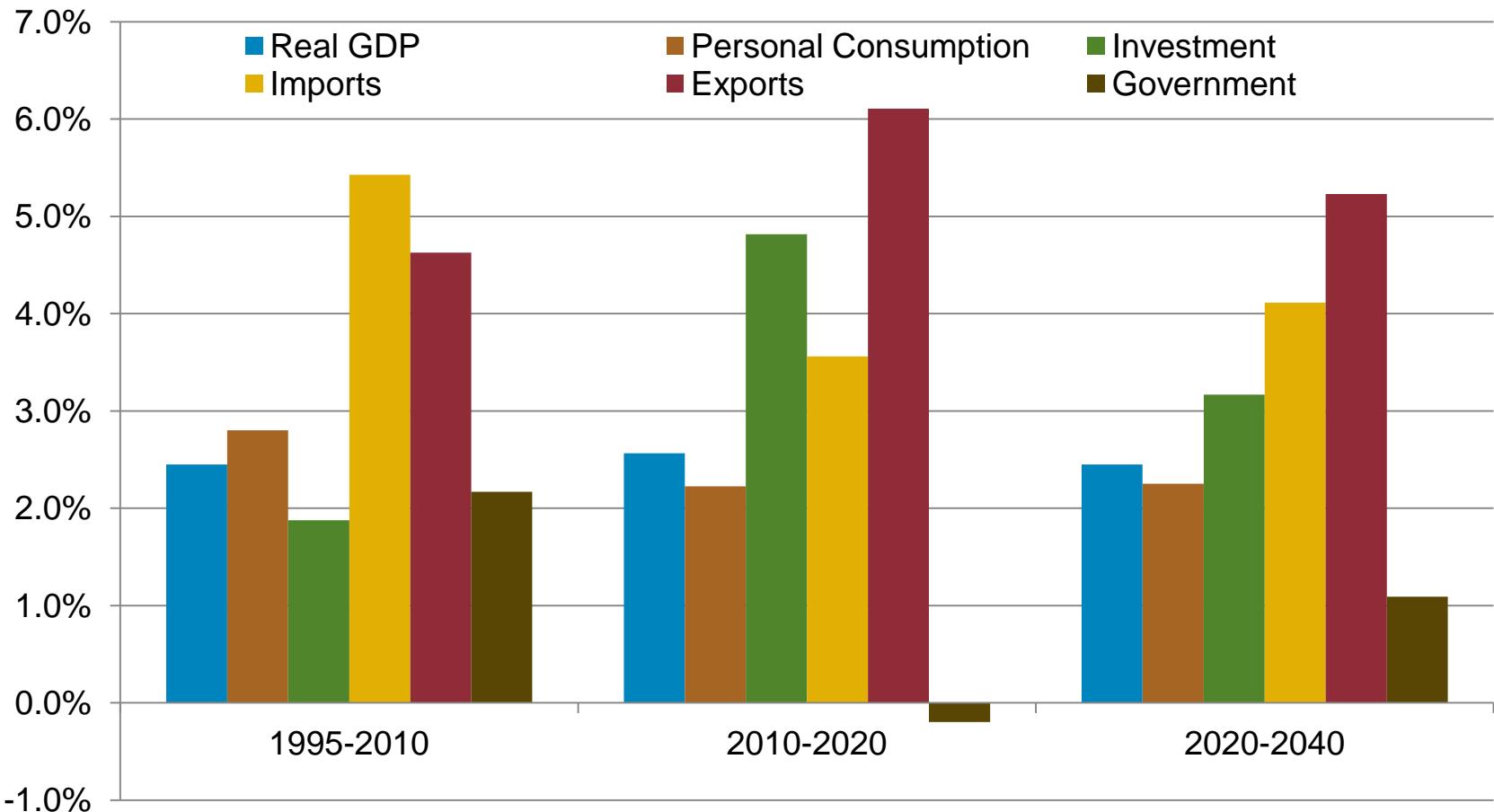
Annual growth rate (per cent)



Source: ref2013/d090612a

Components of GDP

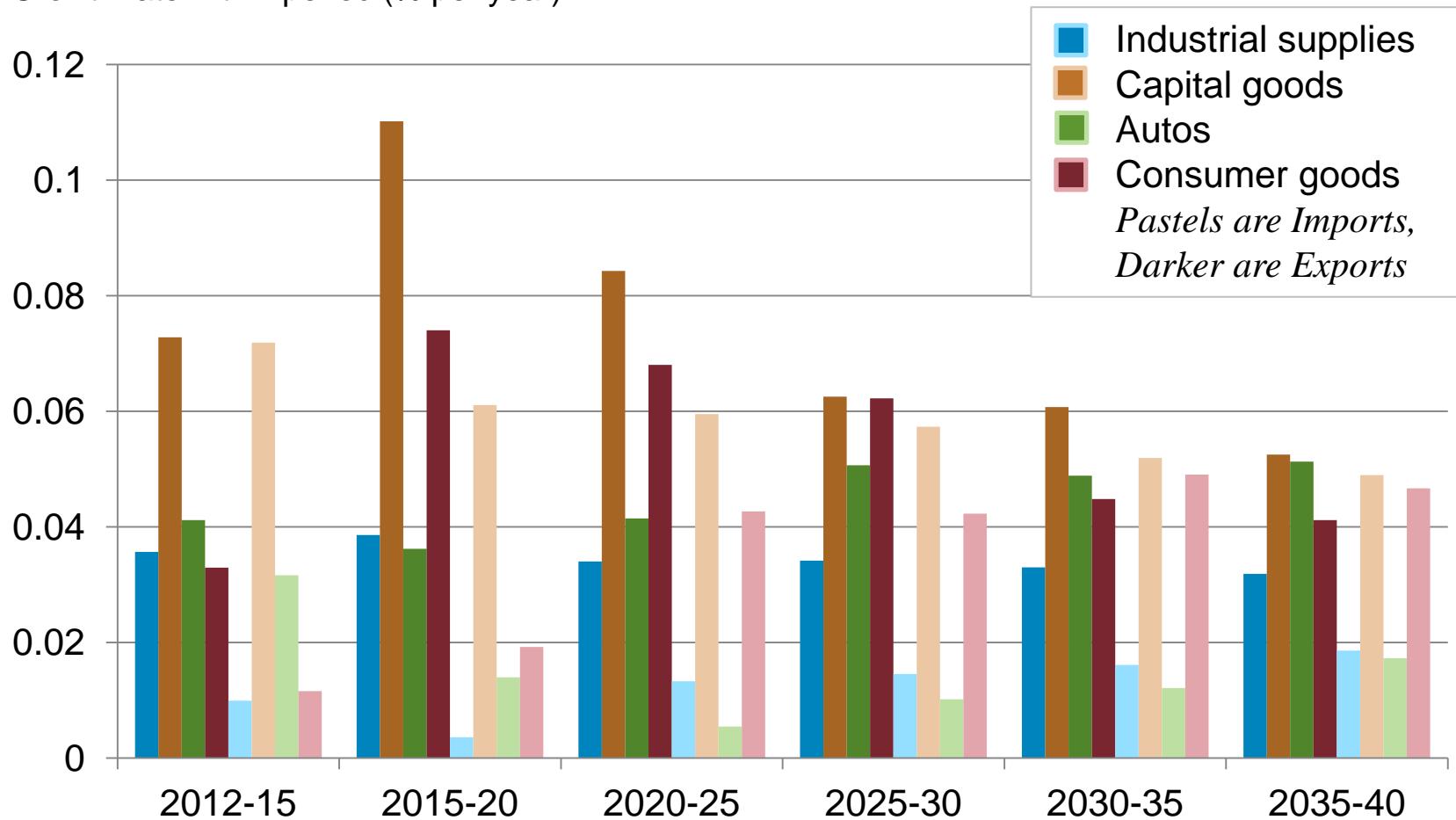
Growth rate within period (% per year)



Source: ref2013/d090612a

Trade by category

Growth rate within period (% per year)

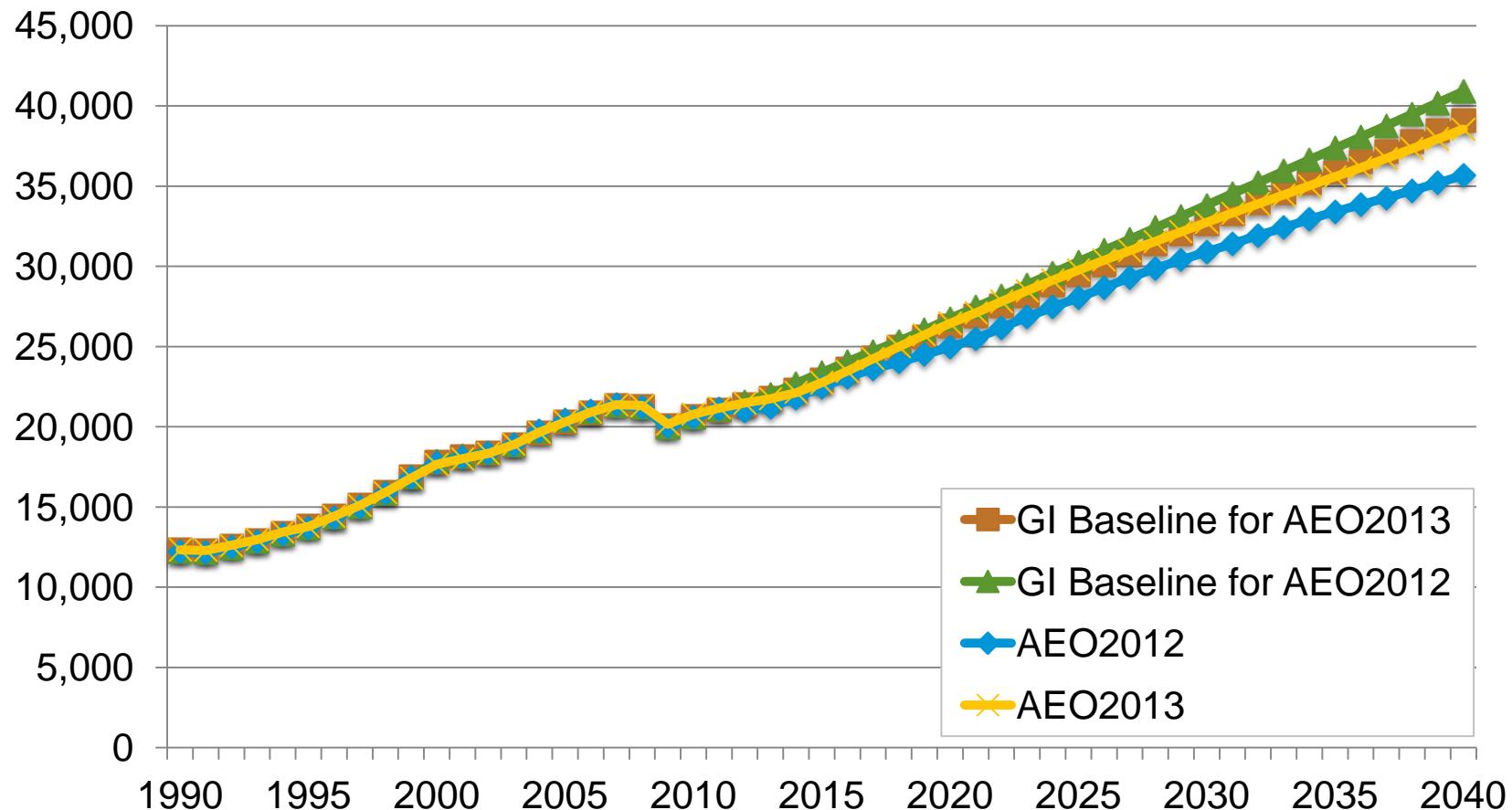


Source: ref2013/d090612a

Industrial detail

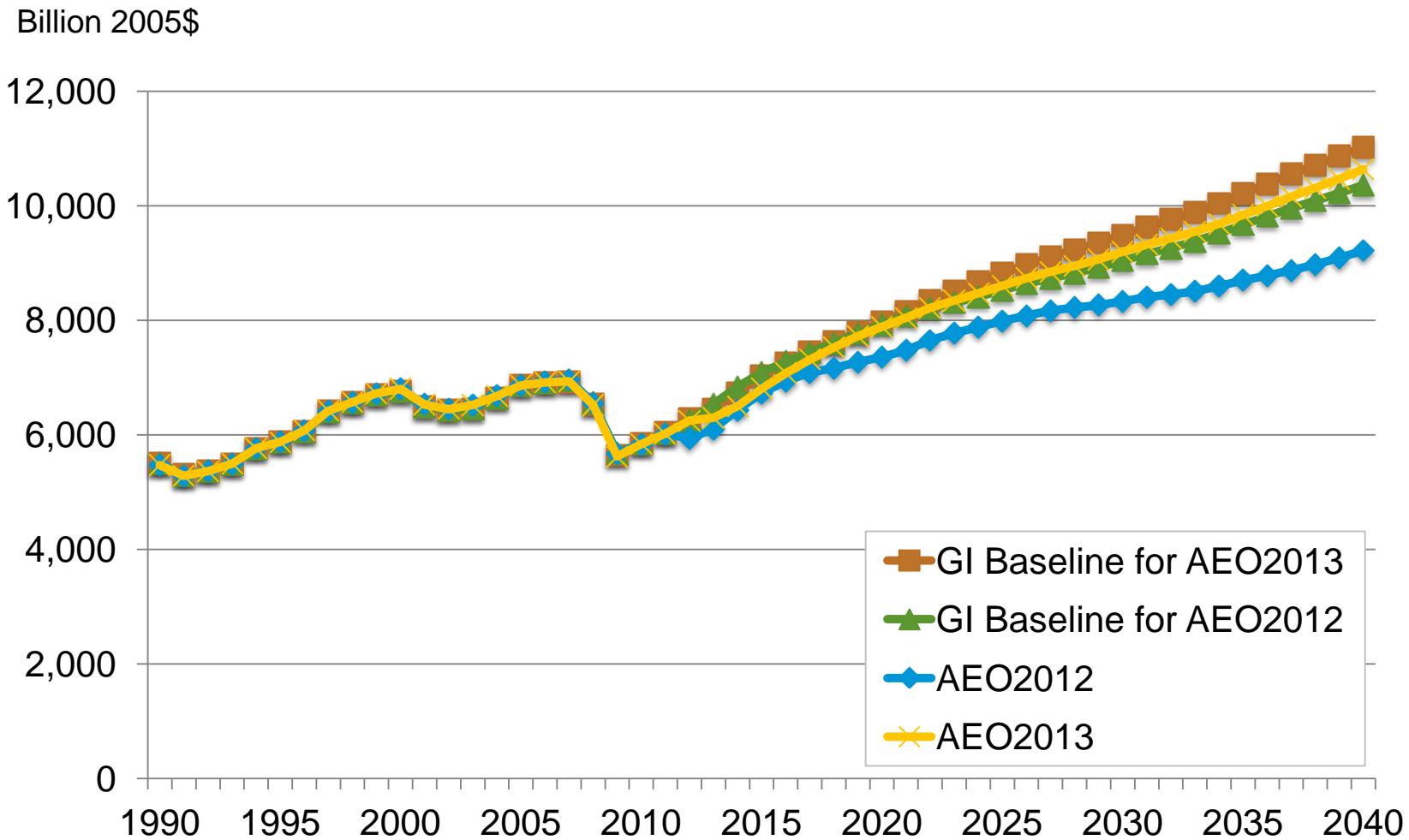
Services

Billion 2005\$



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

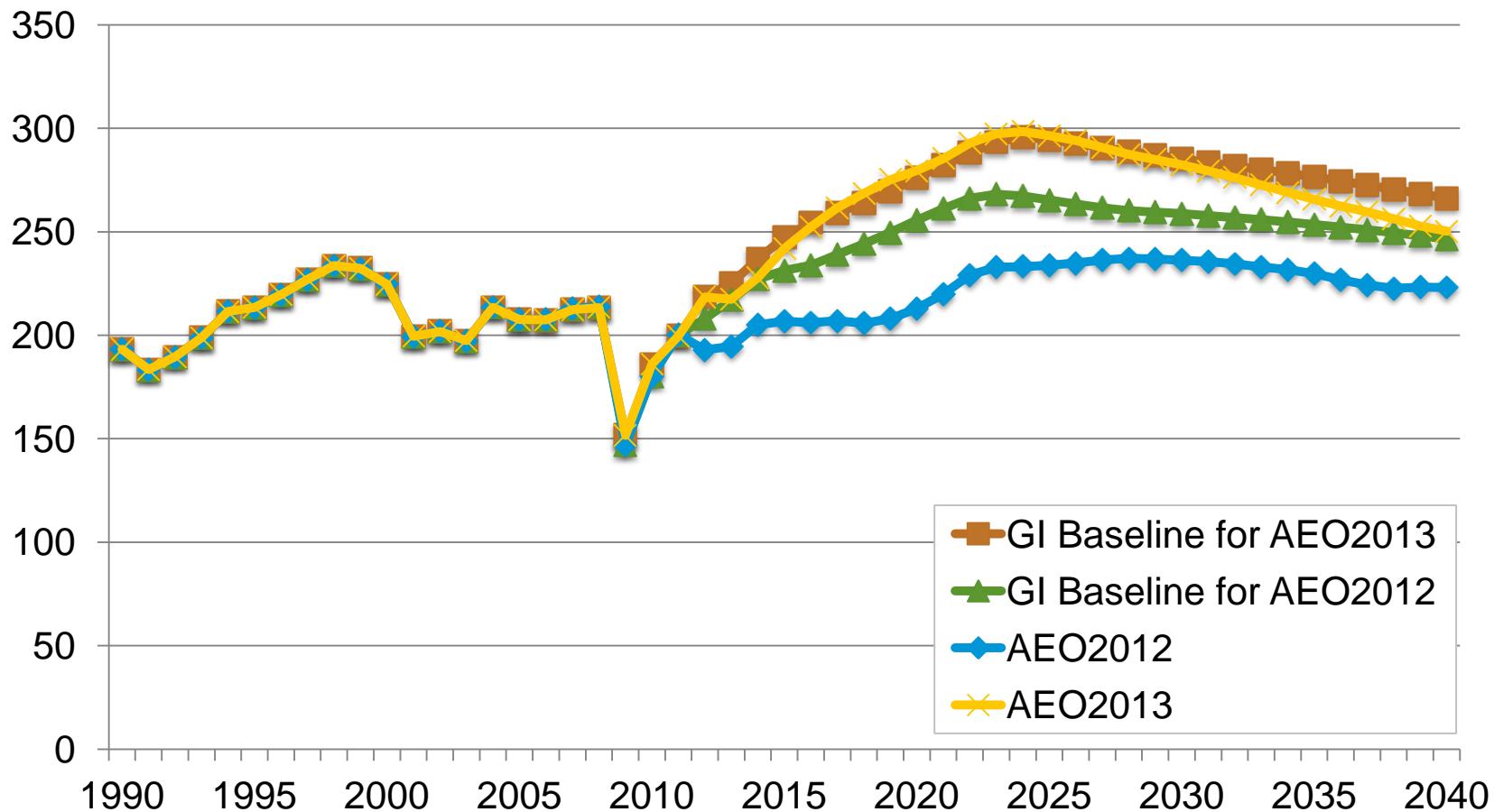
Industrial sector (non-service)



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

Primary metals

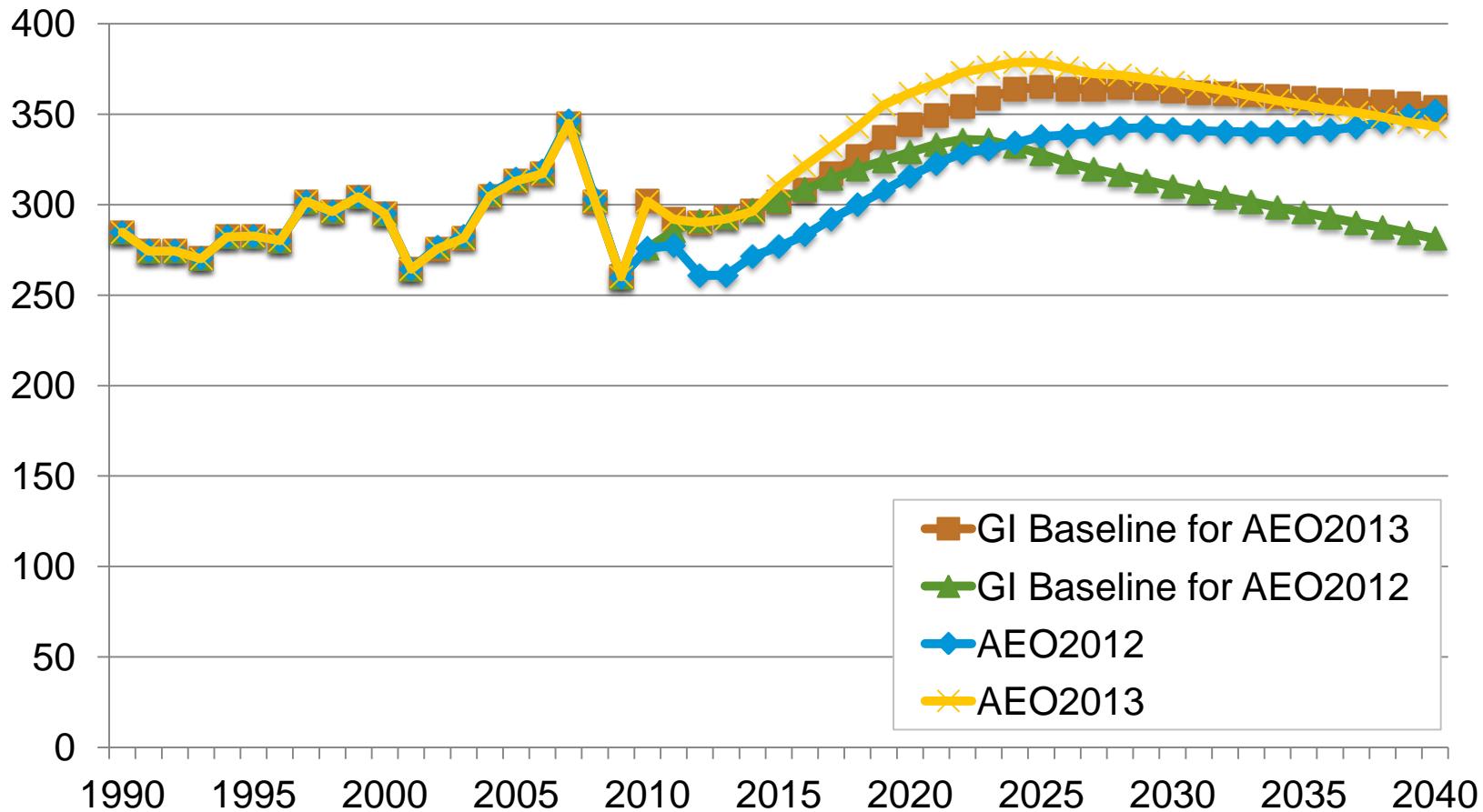
Billion 2005\$



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

Bulk chemicals

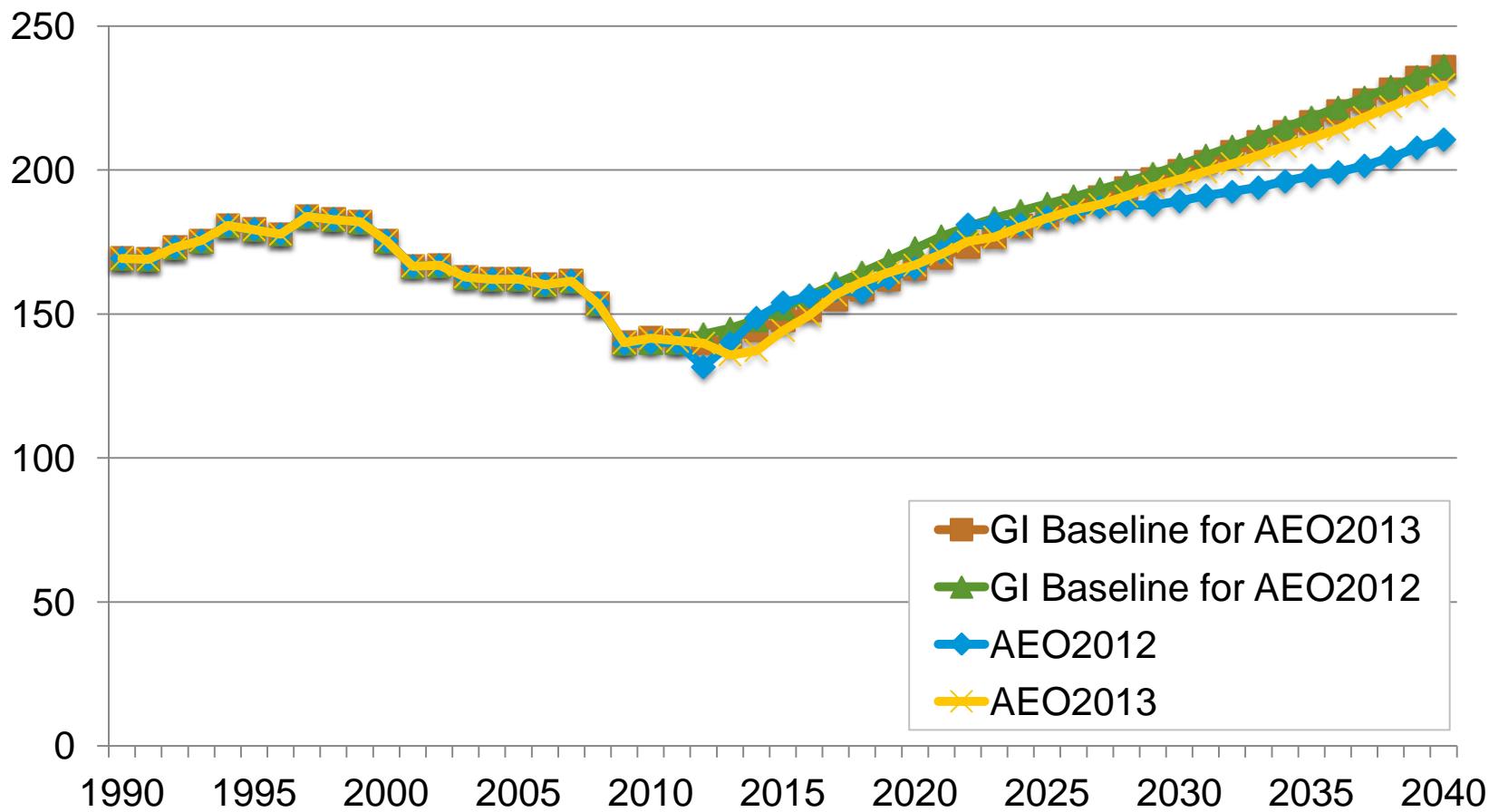
Billion 2005\$



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

Paper

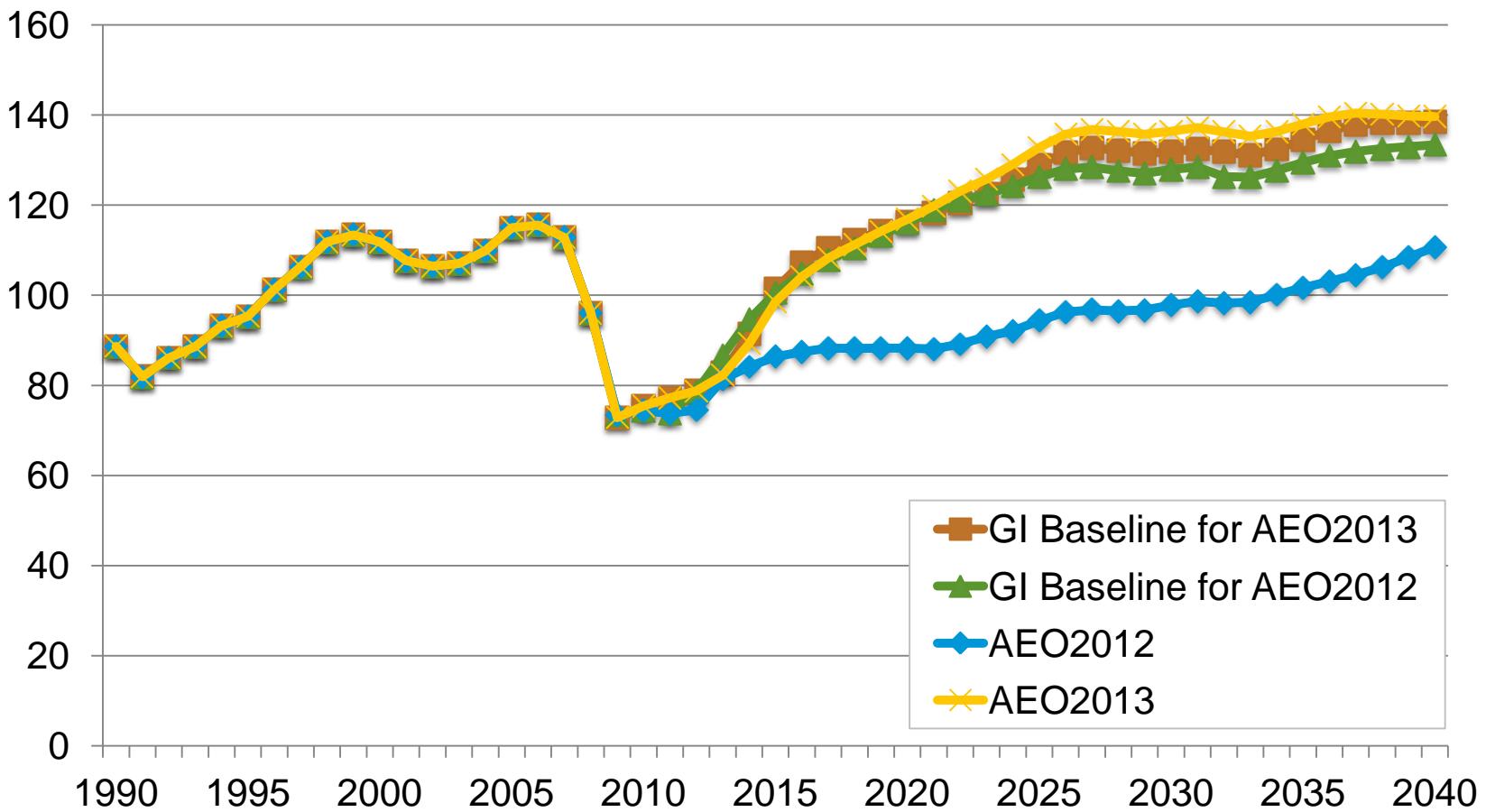
Billion 2005\$



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

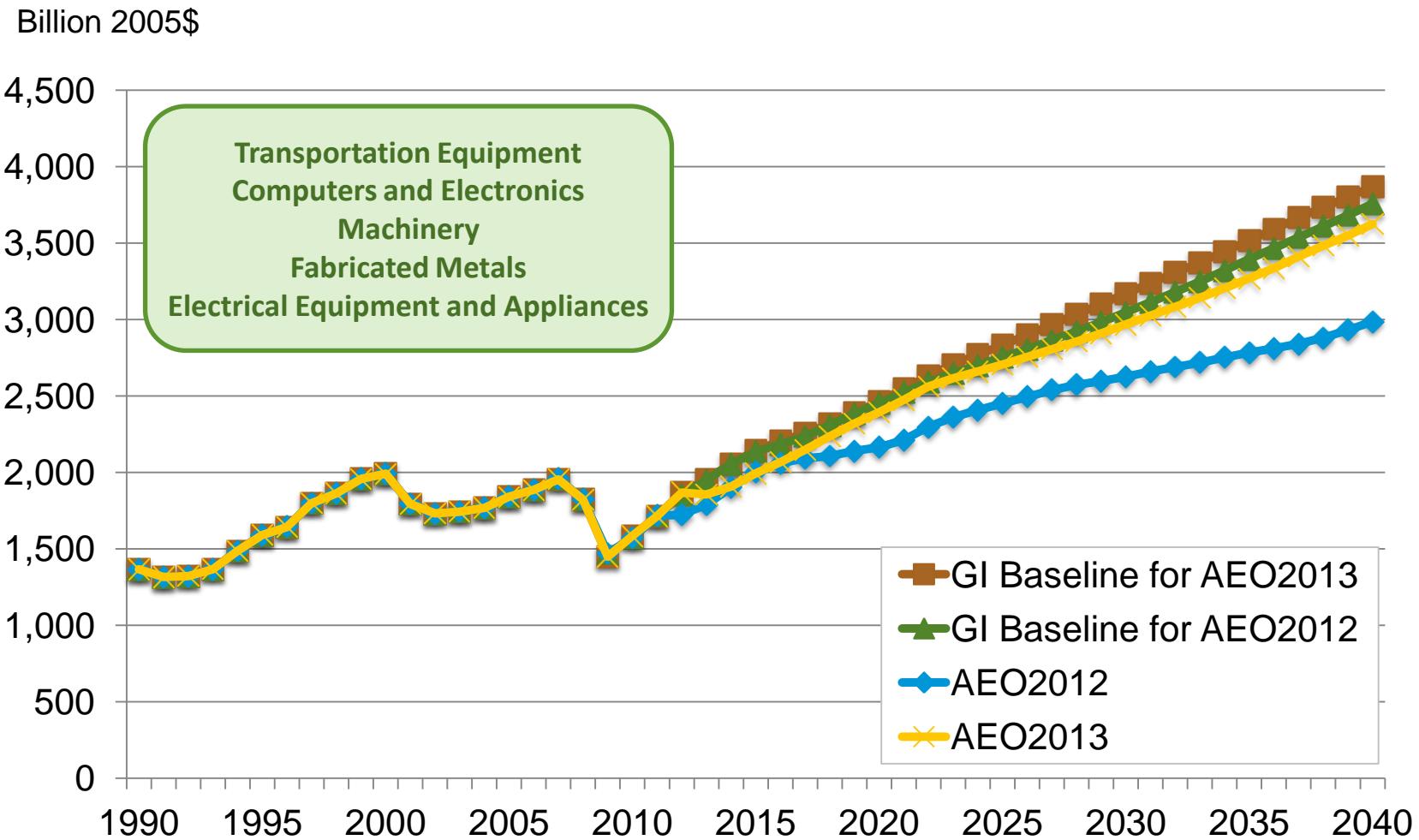
Non-metallic minerals*

Billion 2005\$



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a; * also known as stone, clay, and glass

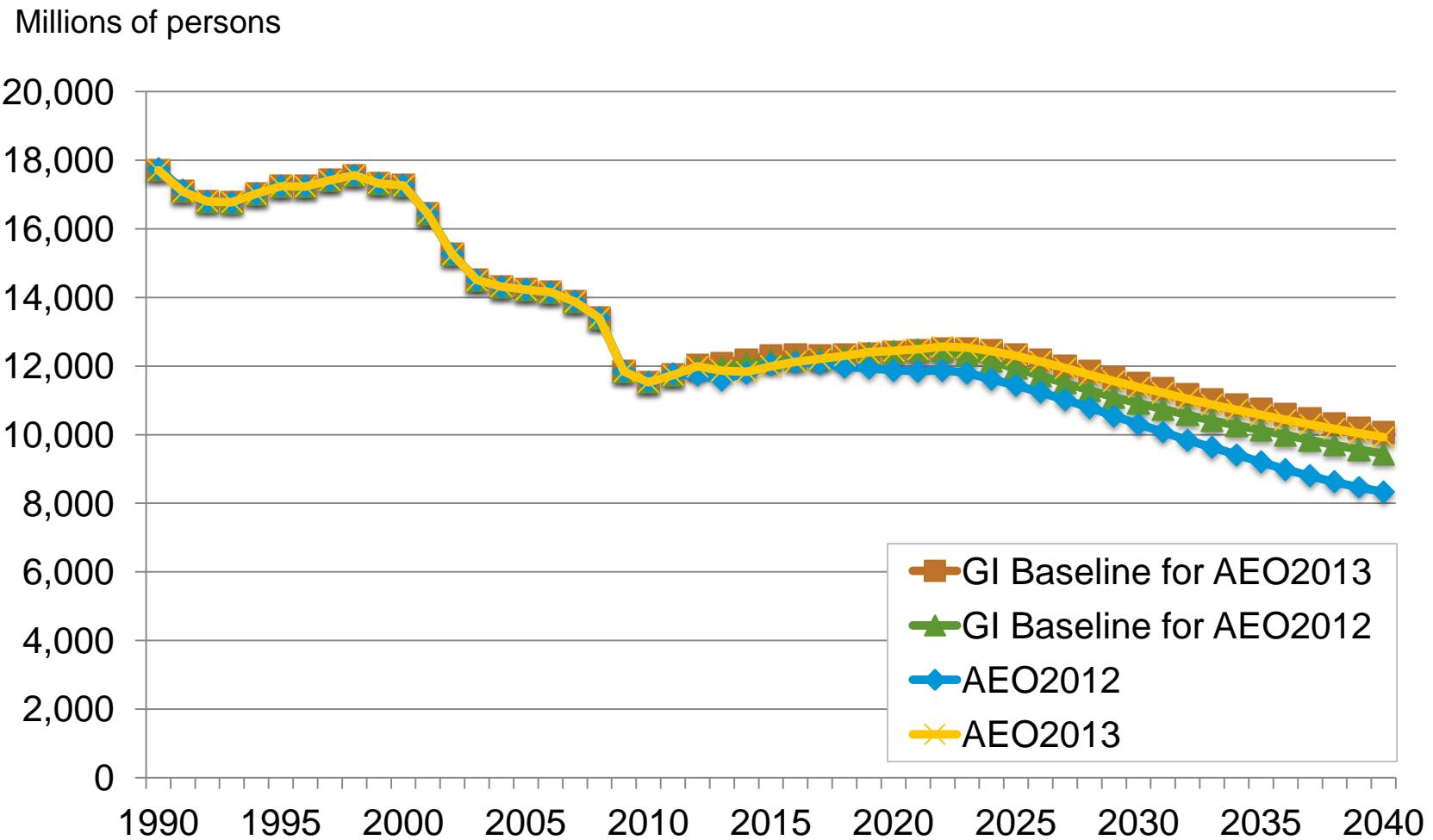
Metal-based durables



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

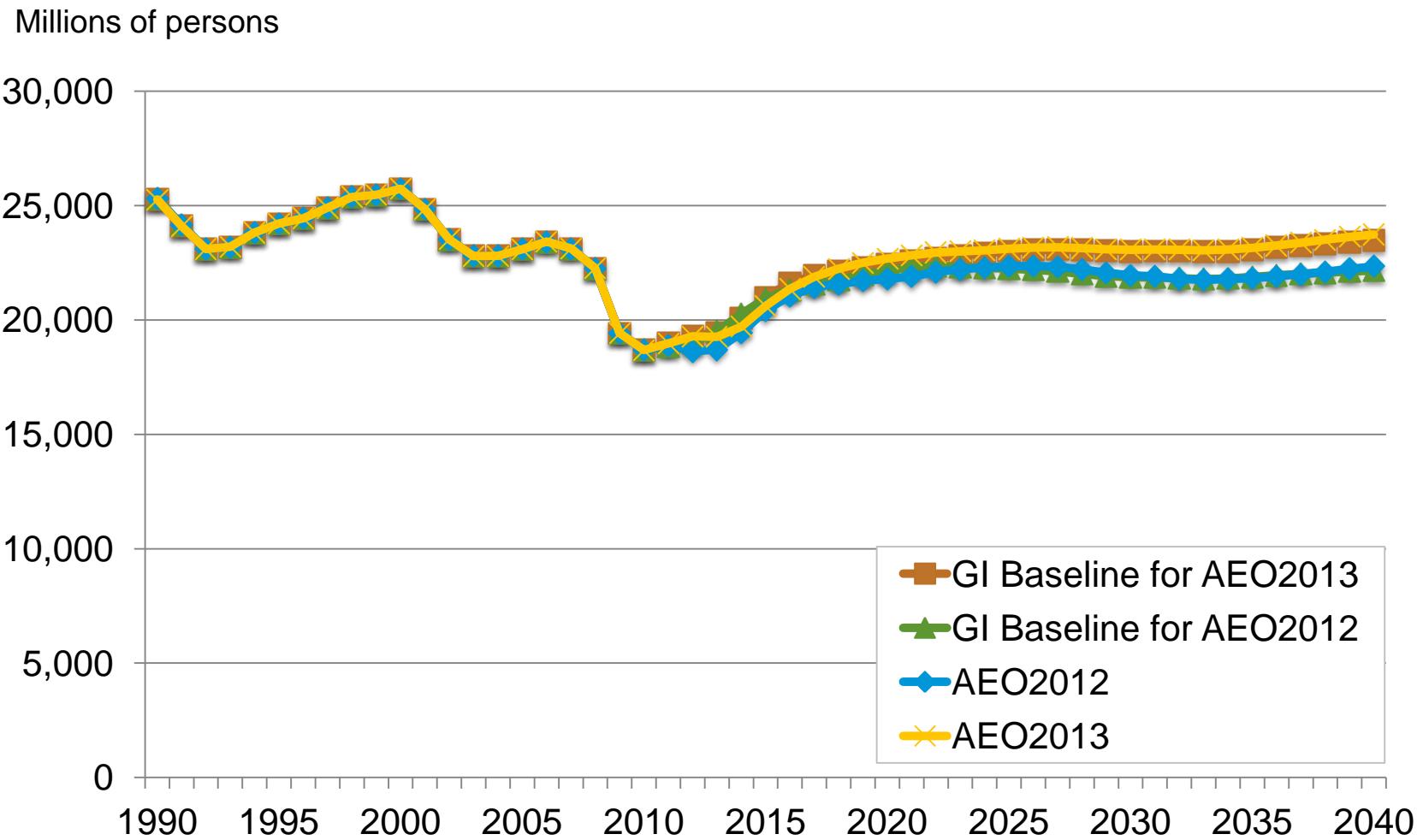
Employment and commercial floor space

Manufacturing employment



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

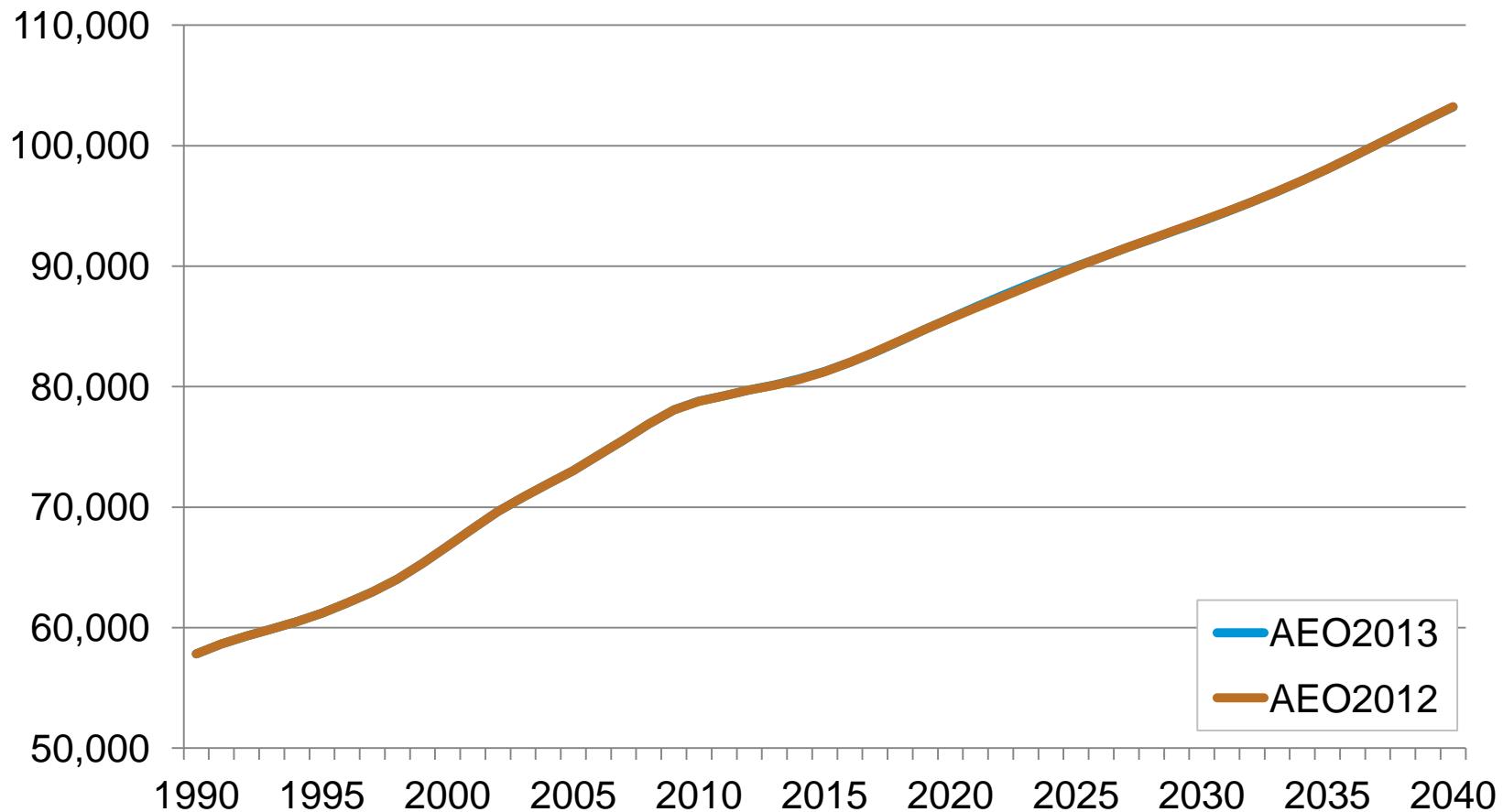
Total employment



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

Commercial floor space

Billion square feet



Source: ref2012/d020112c and ref2013/d090612a

For more information

U.S. Energy Information Administration home page | www.eia.gov

Annual Energy Outlook | www.eia.gov/aoe

EIA Information Center

InfoCtr@eia.gov

Our average response time is within three business days.

(202) 586-8800

24-hour automated information line about EIA and frequently asked questions.

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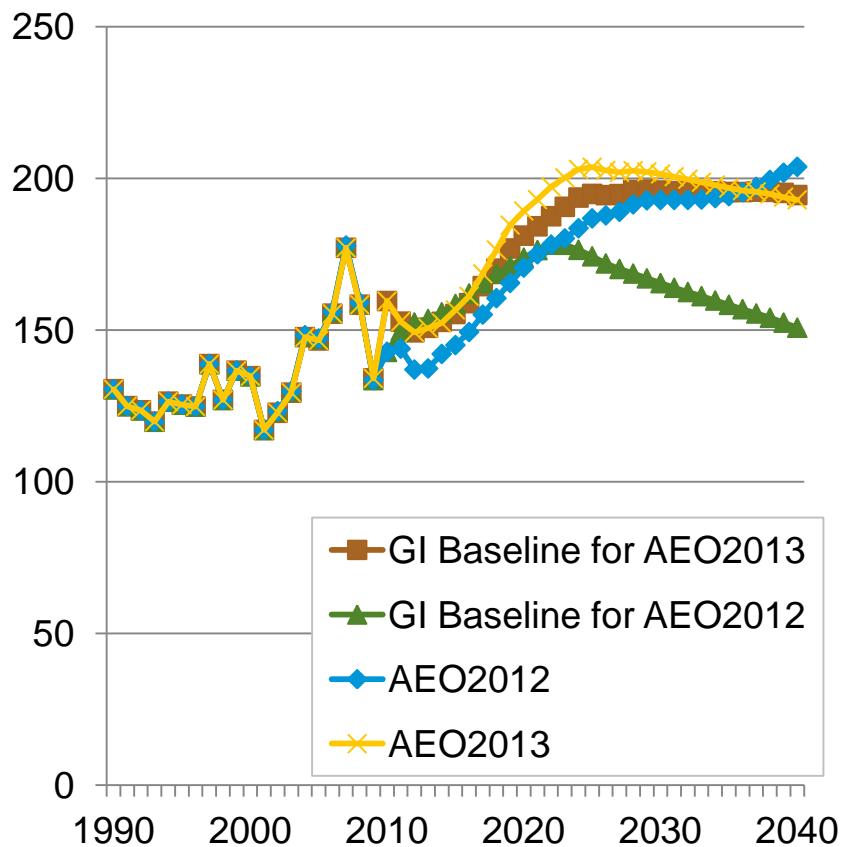
(202) 586-7145



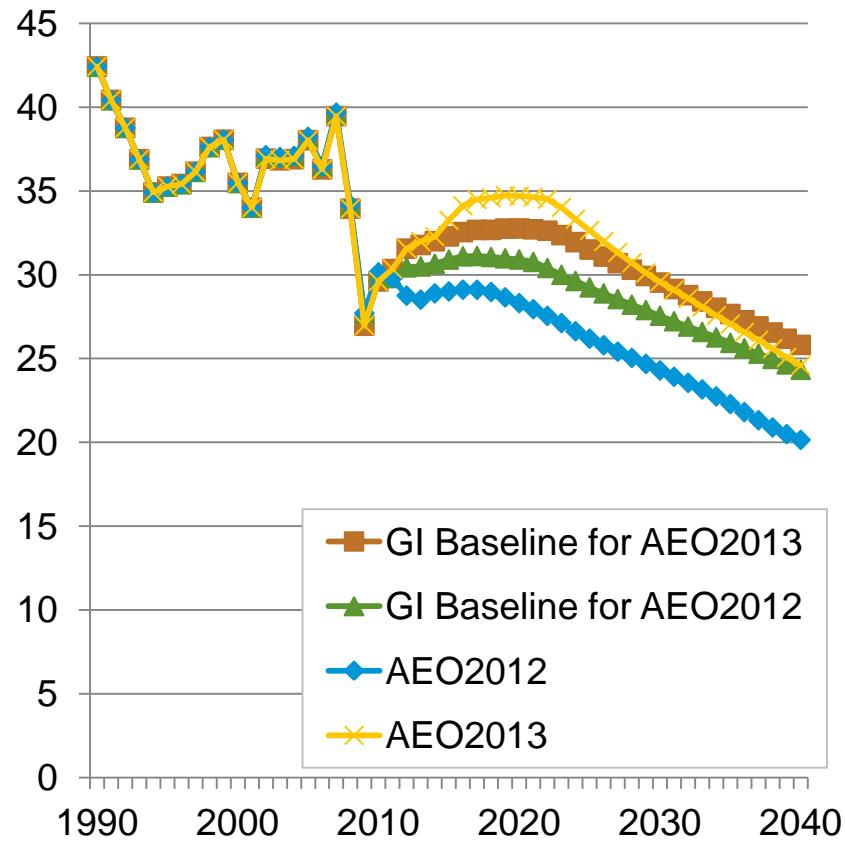
Backup slides

Bulk chemicals details

Organic



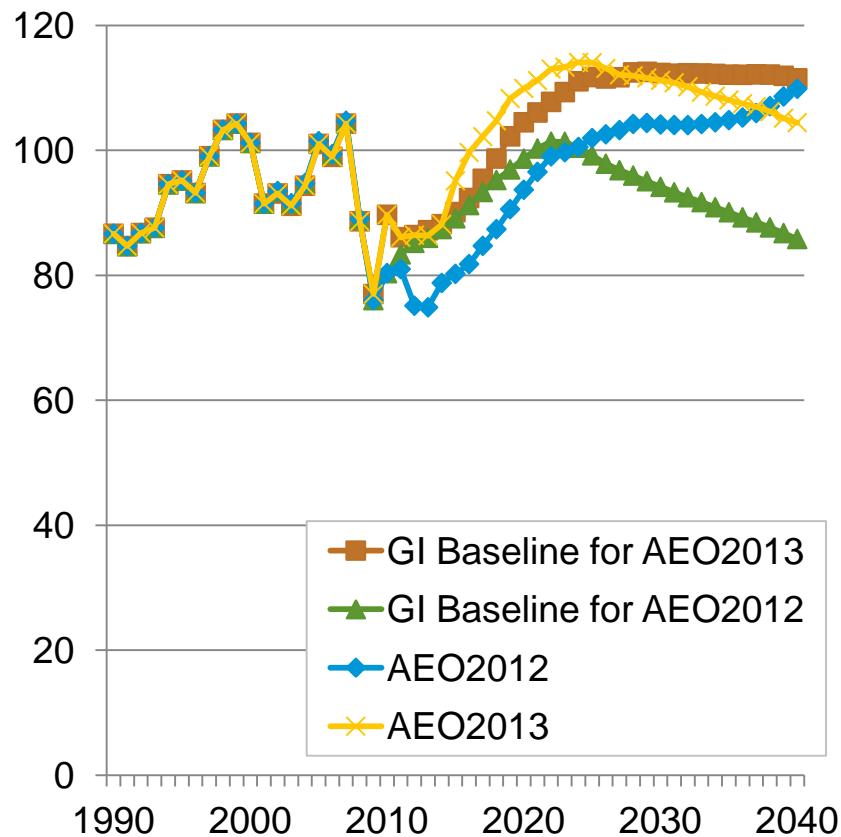
Inorganic



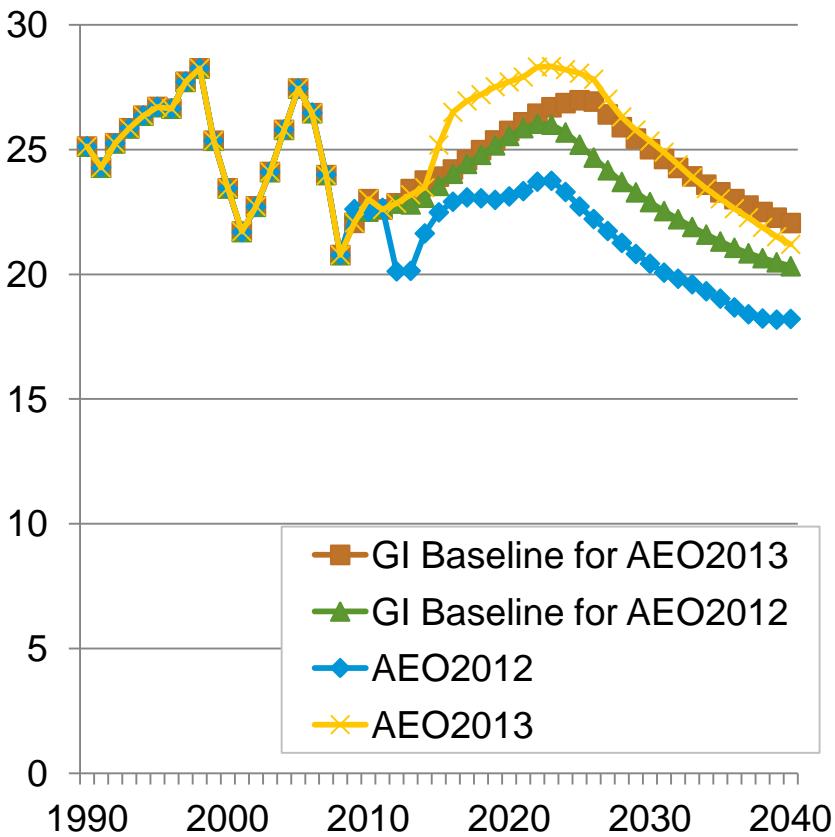
Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

Bulk chemicals details (cont.)

Resins and Synthetic Fibers



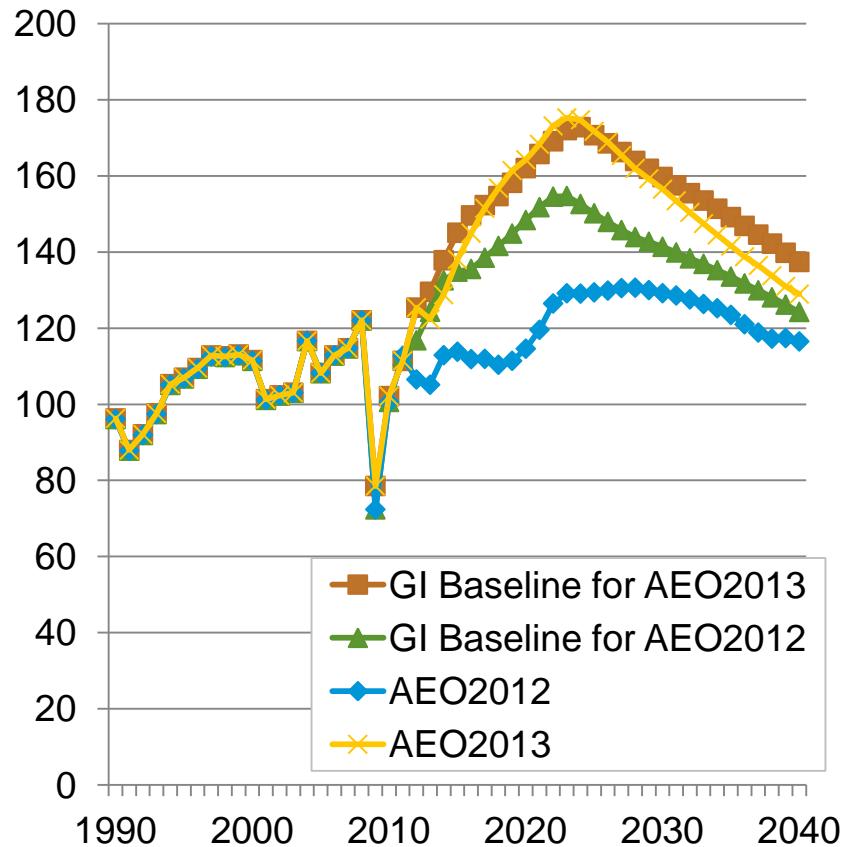
Agricultural Chemicals



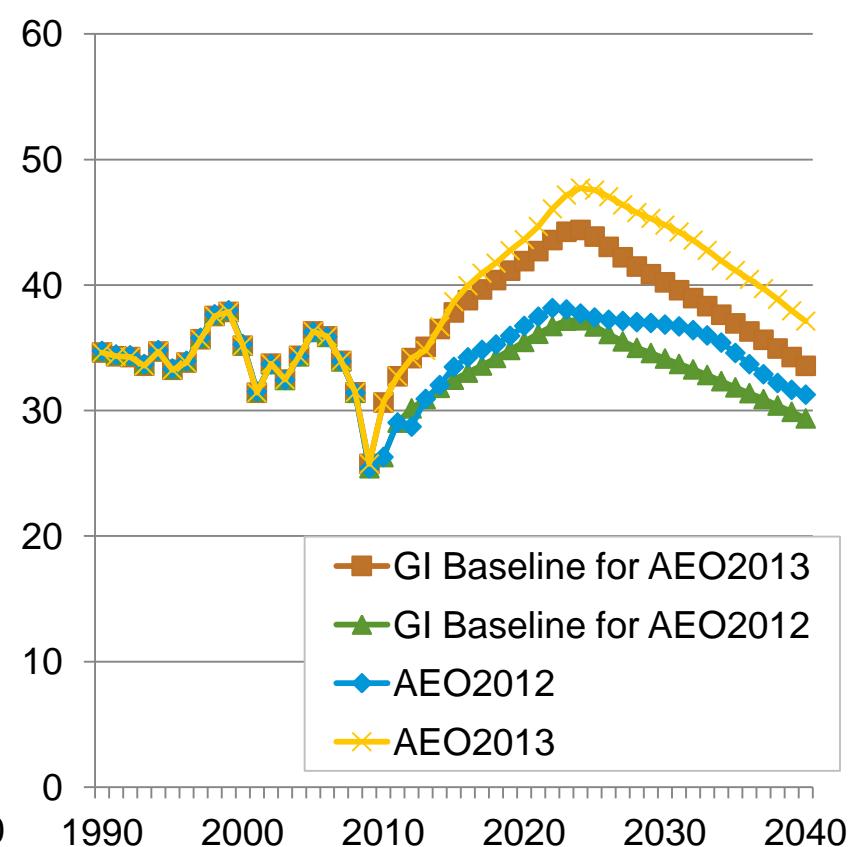
Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

Primary metals details

Iron and Steel

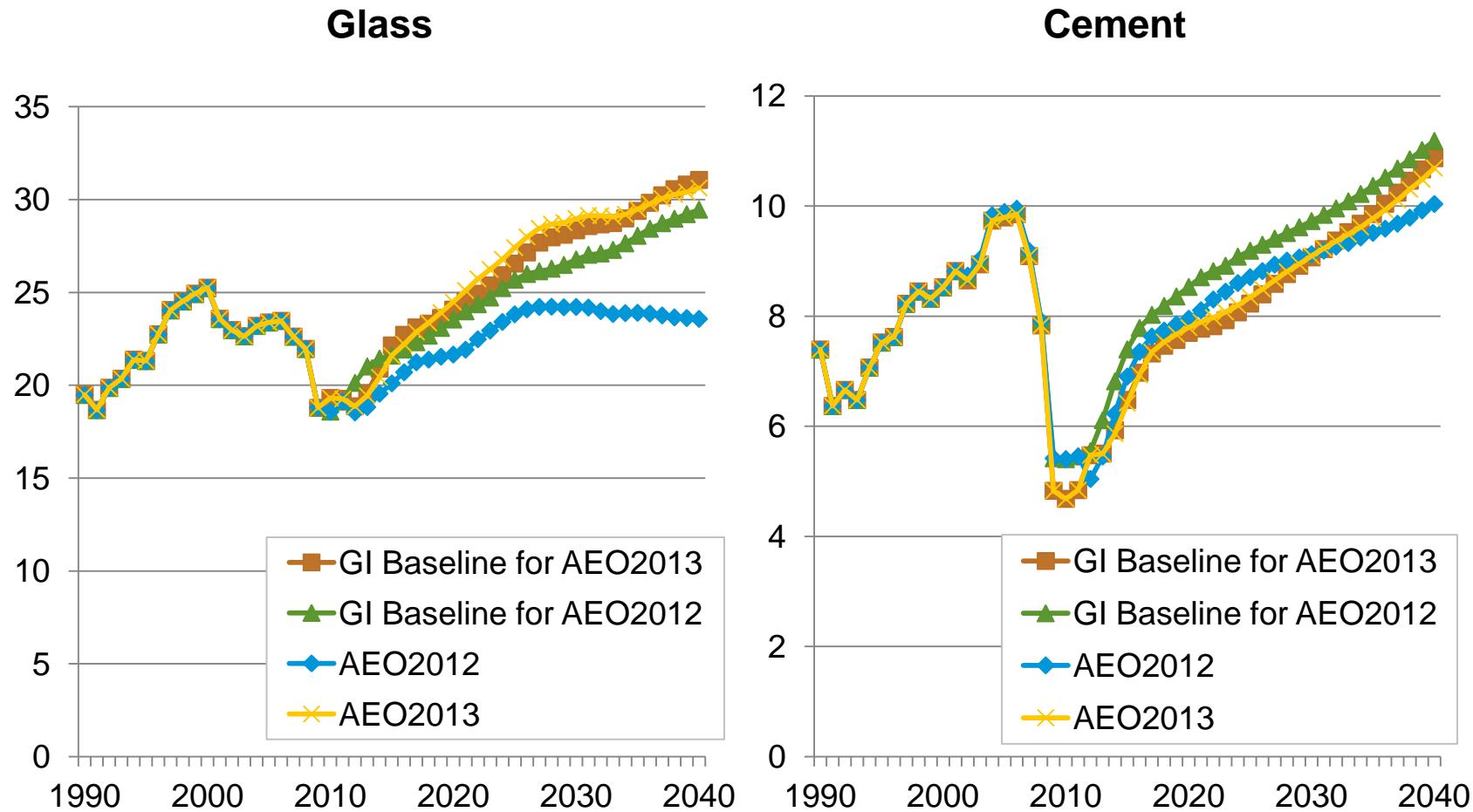


Aluminum



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

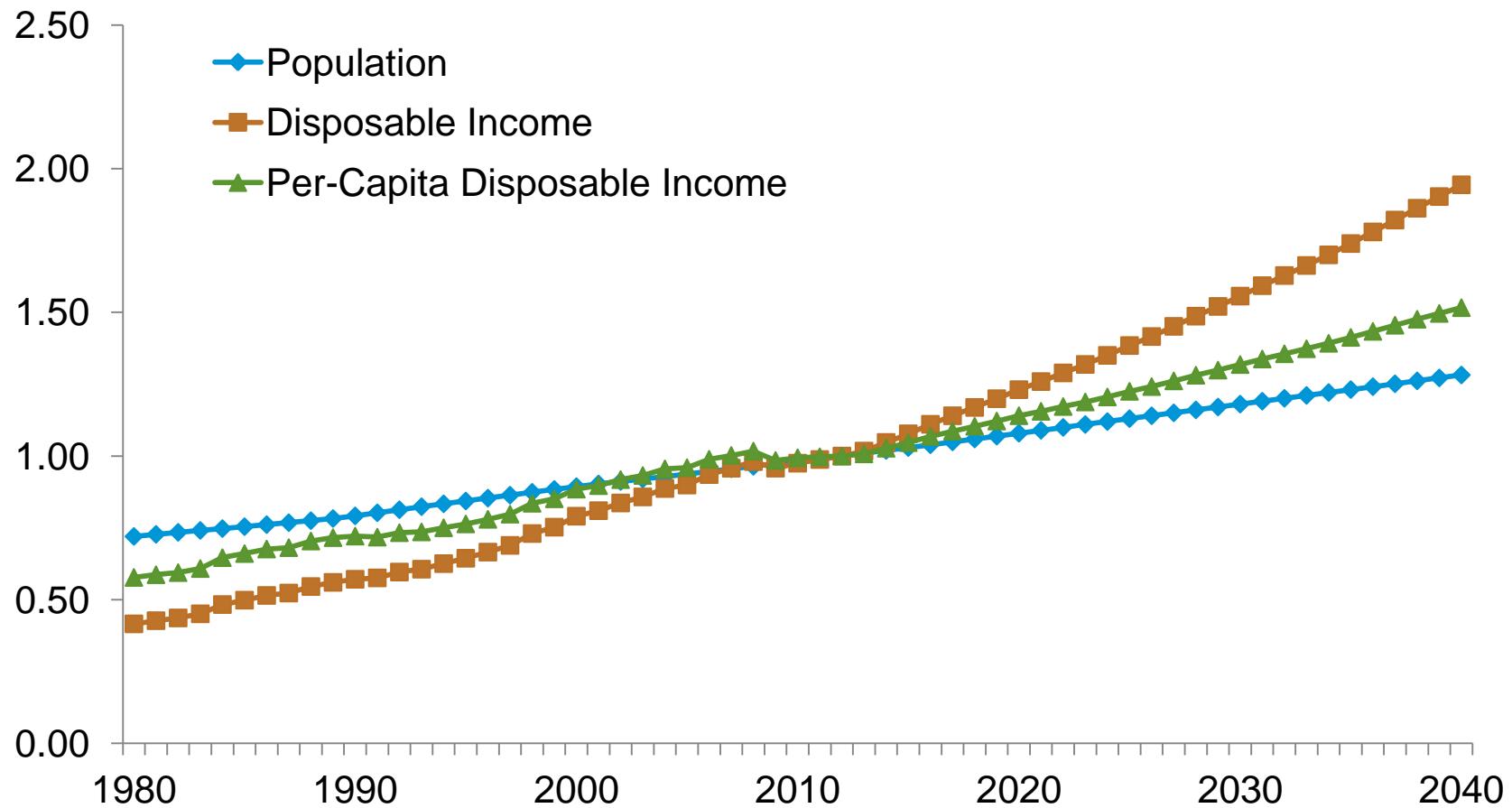
Non-metallic minerals details



Source: IHS-GI, ref2012/d020112c, and ref2013/d090612a

Population and disposable income

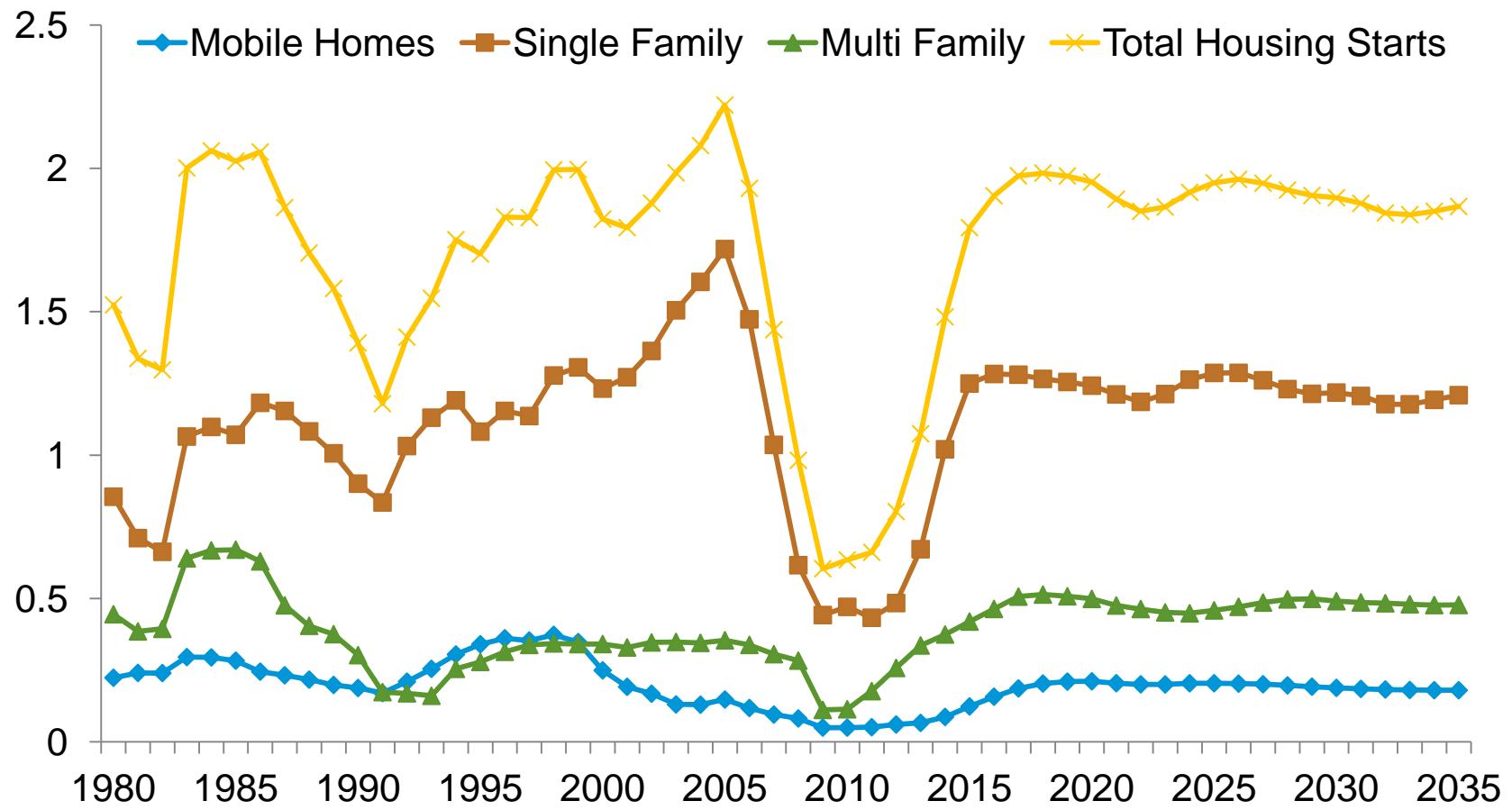
Index (2012=1)



Source: ref2013/d090612a

Housing starts

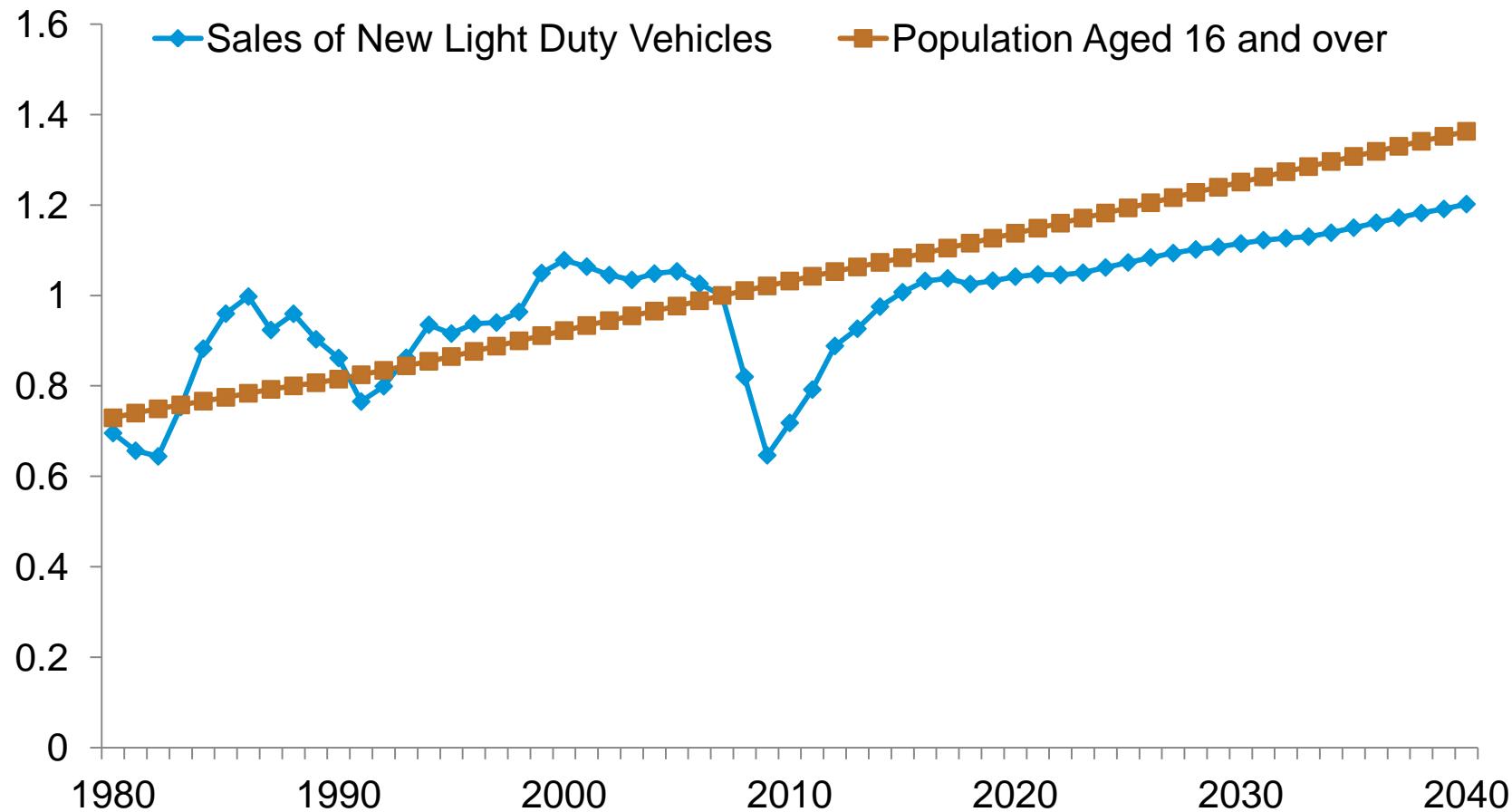
Millions of units



Source: ref2013/d090612a

Vehicle sales

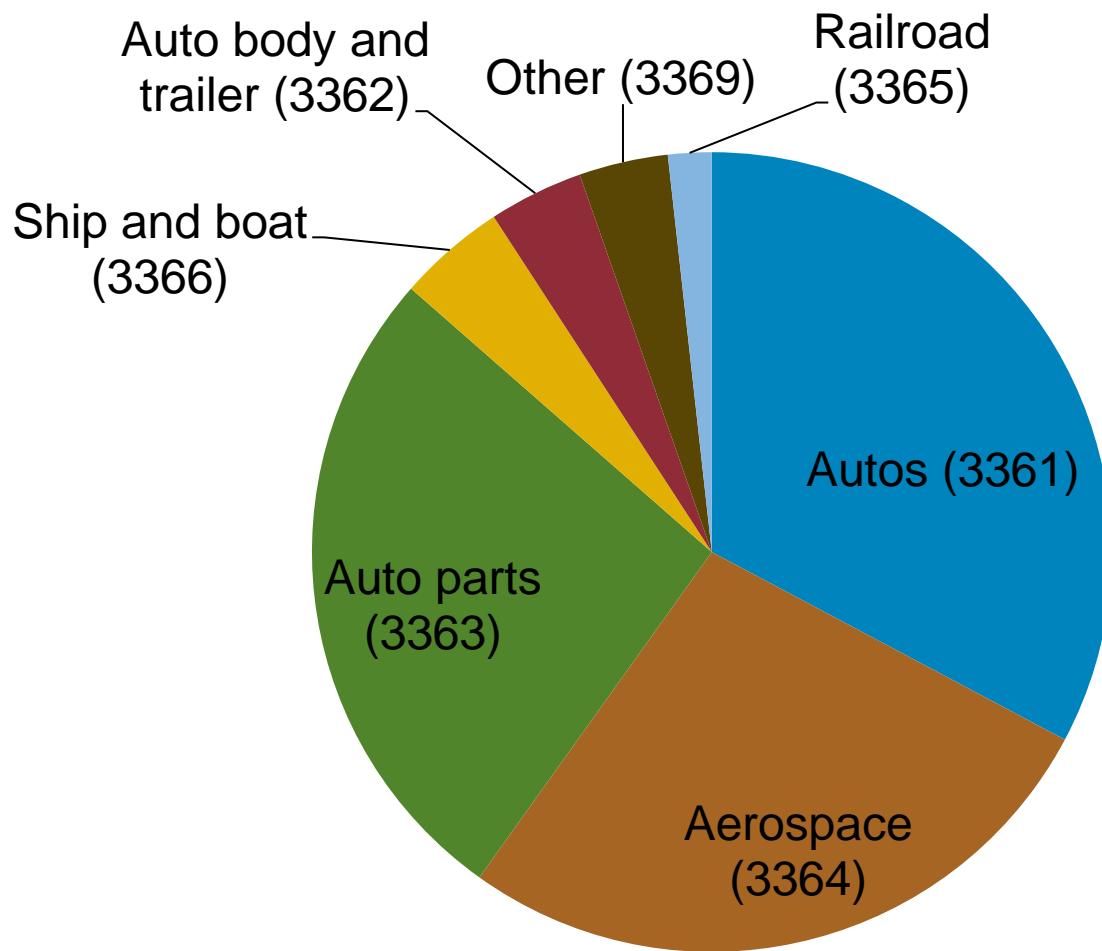
Index (2007=1)



Source: ref2013/d090612a

Transportation equipment sub-industries

Shipments (Billion \$)



Source: Annual Survey of Manufacturing 2010, U.S. Census Bureau