

# Manufacturing

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**Federal Reserve Bank of Philadelphia  
Re-Inventing Older Communities  
Summary of Mayor's Manufacturing Task Force (completed Dec. 2013)  
Dan Fitzpatrick, Co-Chair**

**Comparative Advantages of City:**

- **Location and Intermodal Transportation Hub for Truck, Rail and Maritime**
- **Available Workforce**
- **Energy and Water Resources**
- **Educational Capacity and our traditionally strong "Meds and Ed's" economy**

**Comparative Disadvantages of City:**

- **Tax Policy**
- **Regulatory Environment and Ease of Doing Business**
- **Shortage of key manufacturing skills (i.e., welders) as well as engineering degreed talent (40% of PhD students in engineering are foreign born students making retention a challenge)**
- **Pipeline access to city for energy and chemical feedstocks for Marcellus Shale**

**Opportunities:**

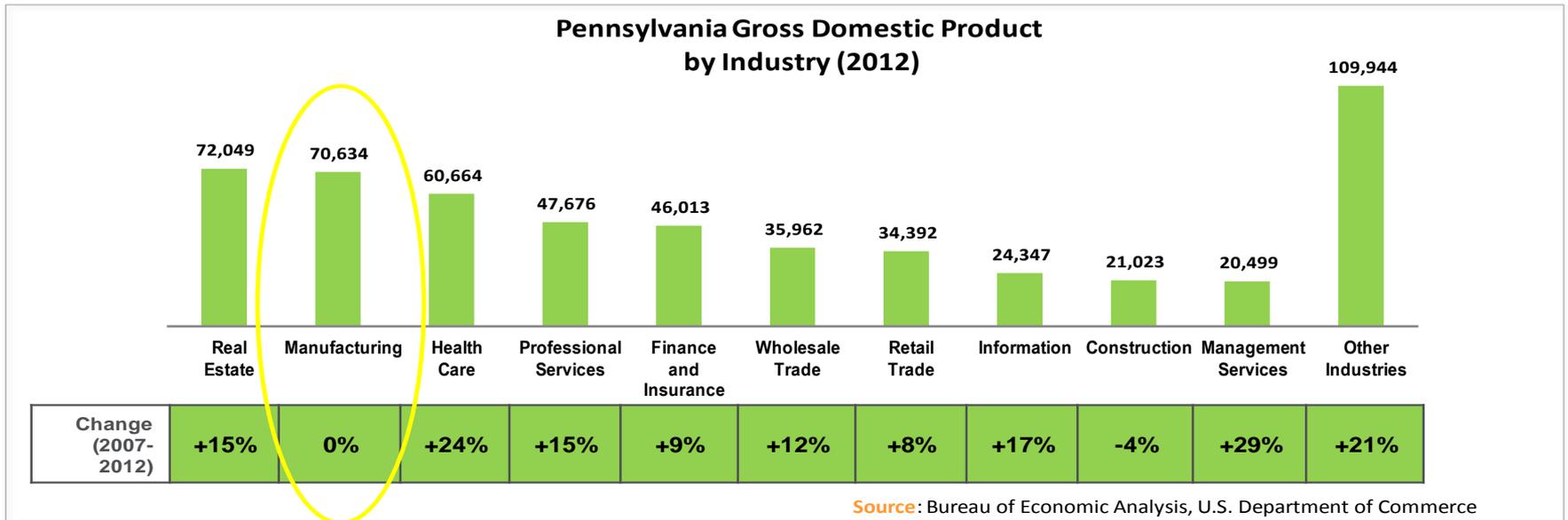
- **Most city disadvantages are within the control of elected officials**
- **Advanced Materials per Federal Innovation Grant?**

# Pennsylvania Market Overview

## Gross Domestic Product (GDP)

Pennsylvania GDP grew 13% from 2007-2013, outstripping US GDP growth of 11%.

The state's private-sector firms generated GDP of \$543 billion in 2012, ranking 6<sup>th</sup> largest in the US.



# Pennsylvania: Exports A Good News Story

- The state's exports have risen 44% 2009-2013, reaching \$40.9 billion last year, 90% of which derived from manufacturing.
- Our key export market—Canada—represents 28% of our total; along with Mexico, China, the Netherlands and Germany, these top 5 markets accounted for 54% of our 2013 exports.

