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# Oklahoma Economic Outlook 2015

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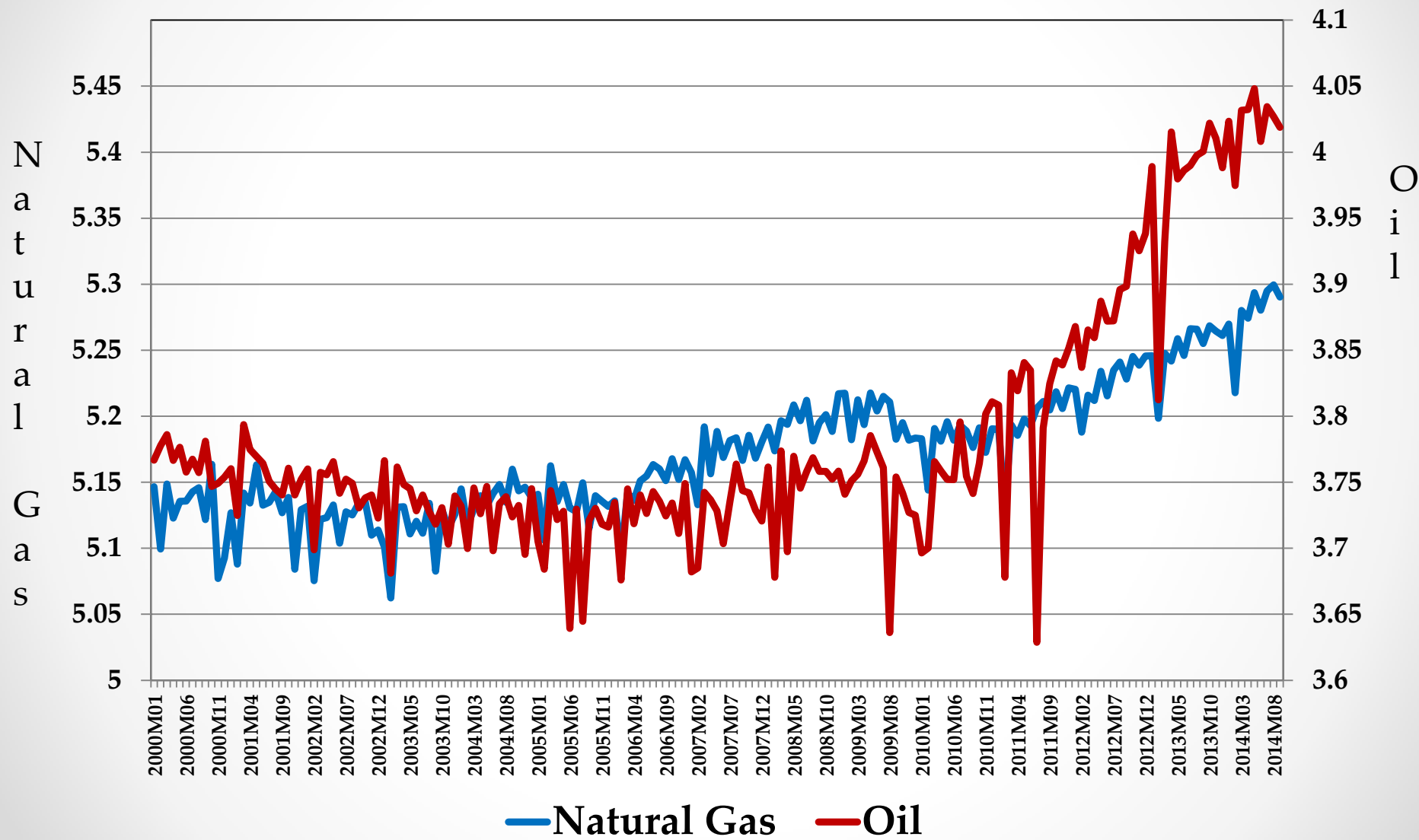
<http://economy.okstate.edu/>



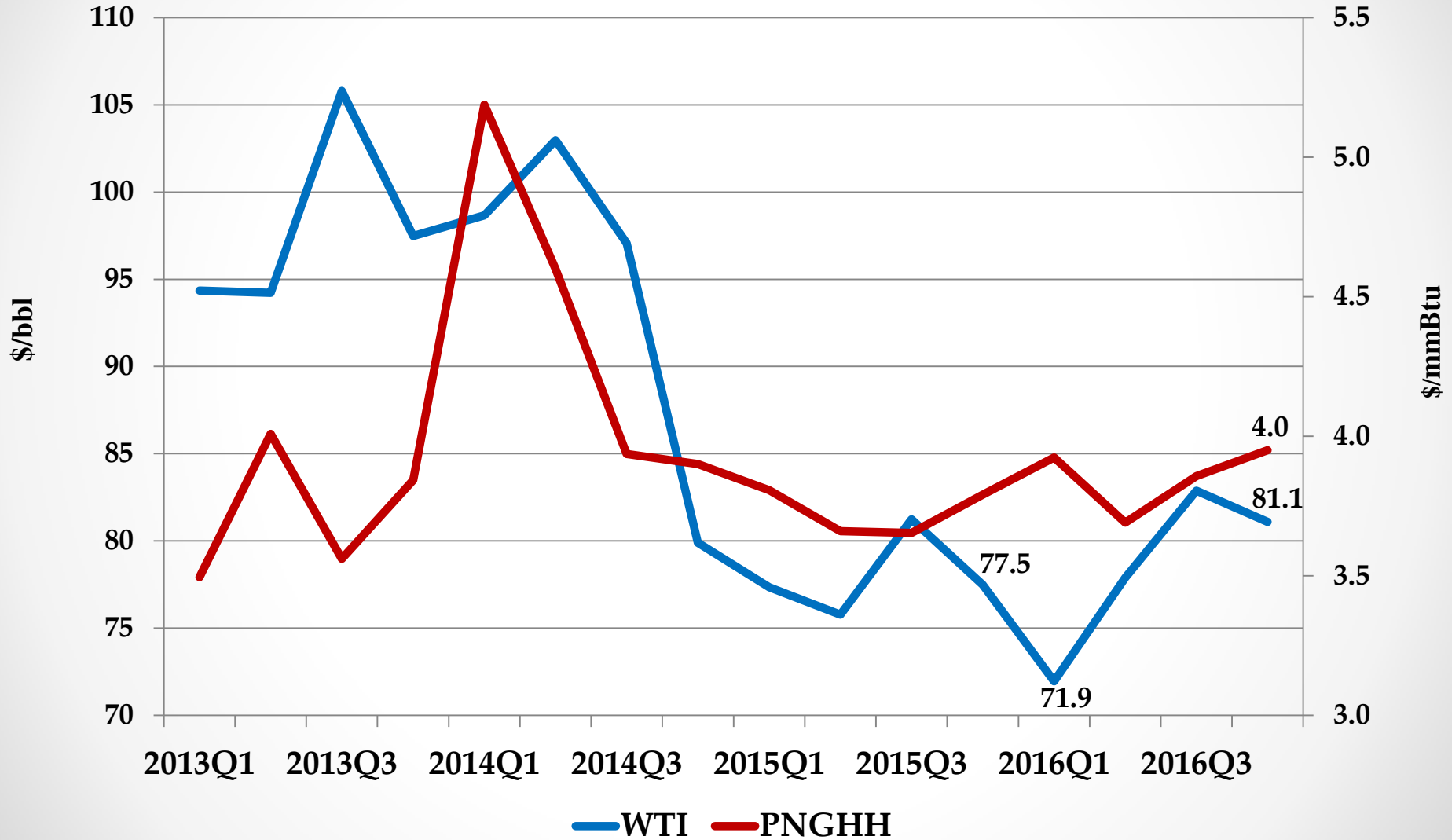
## Employment Growth Patterns (October '13-'14)

- **Energy** states had about **0.2** percent **faster** growth (AK, CO, LA, MT, ND, OK, TX, WV, WY)
- **0.5** percent per change in **natural amenity rank** on a 1-7 scale by USDA Economic Research Service:
  - CO-average amenity rank 5.4; OK-average amenity rank 3.7 (about U.S. average)
  - implies about **0.8** percentage point **lower growth** relative to **Colorado**
- **Manufacturing** states **0.2** percent **lower** growth (IL, IN, MI, OH, PA, WI)
- **Farm** states **0.3** percent **faster** growth (IA, MT, NE, ND, SD).

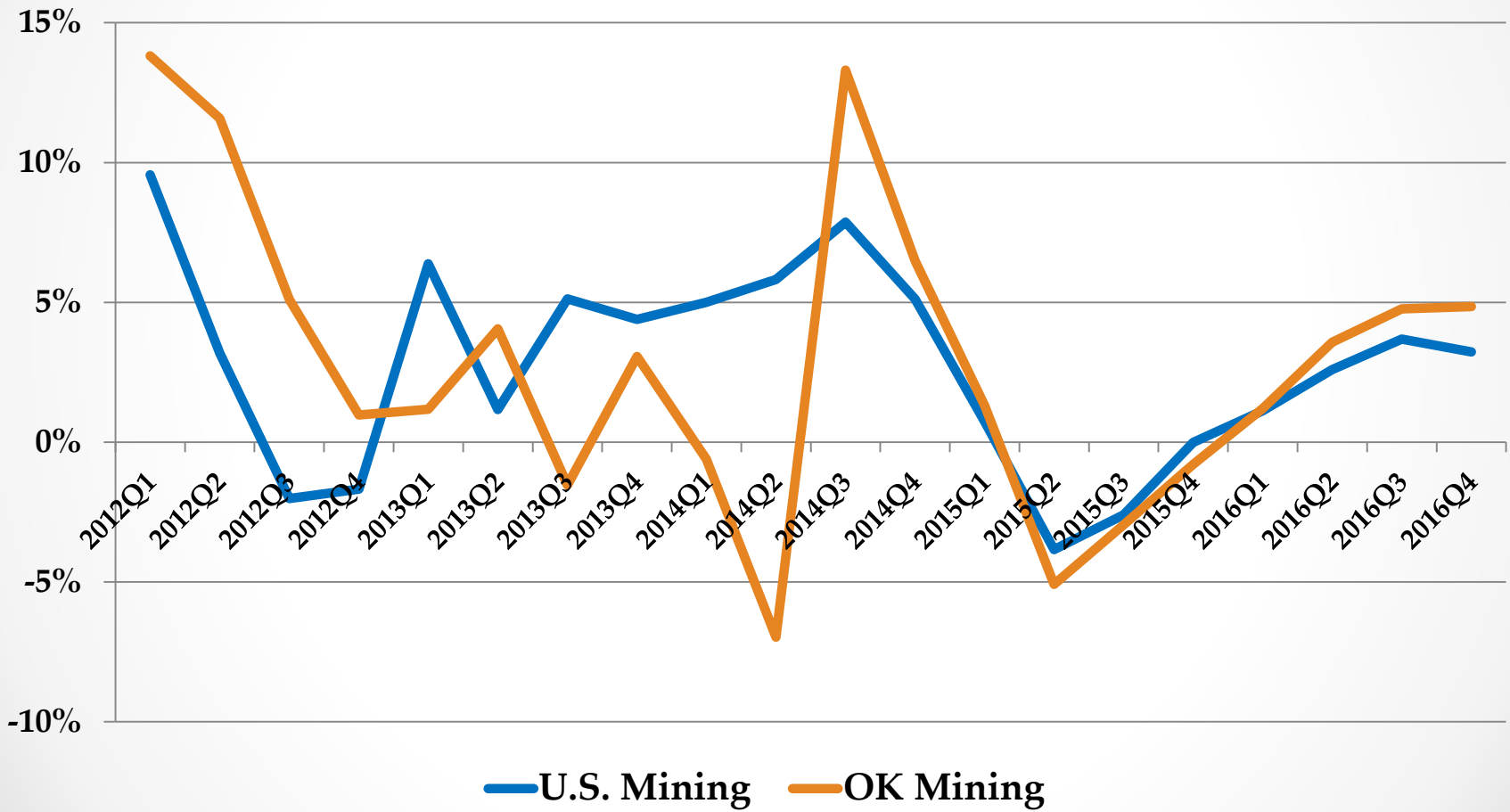
# Oklahoma Energy Production (natural logarithms)



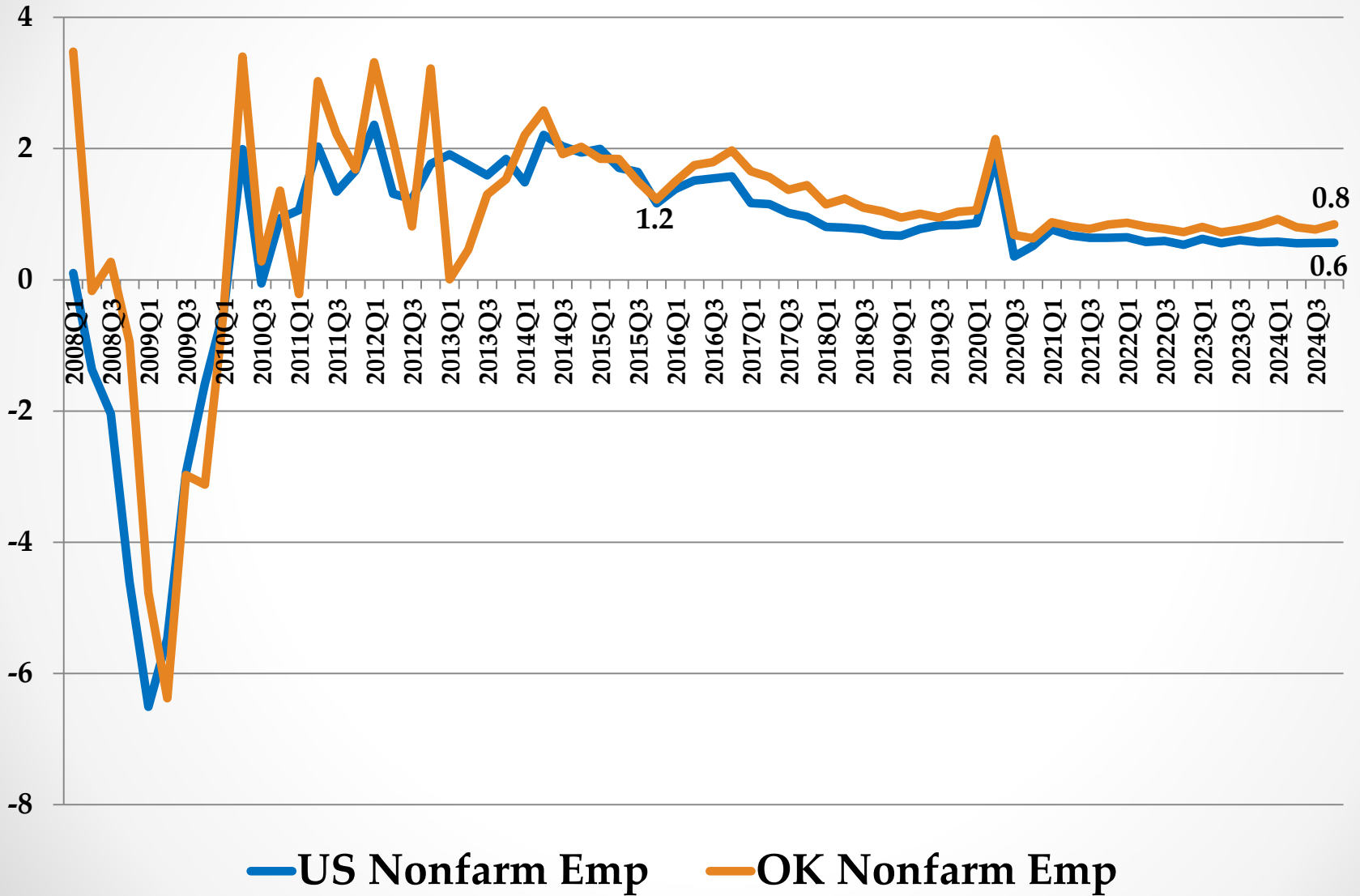
# Energy Prices (IHS Global Insight, Inc.): West Texas Intermediate Oil (WTI) and Henry Hub Natural Gas (PNGHH)



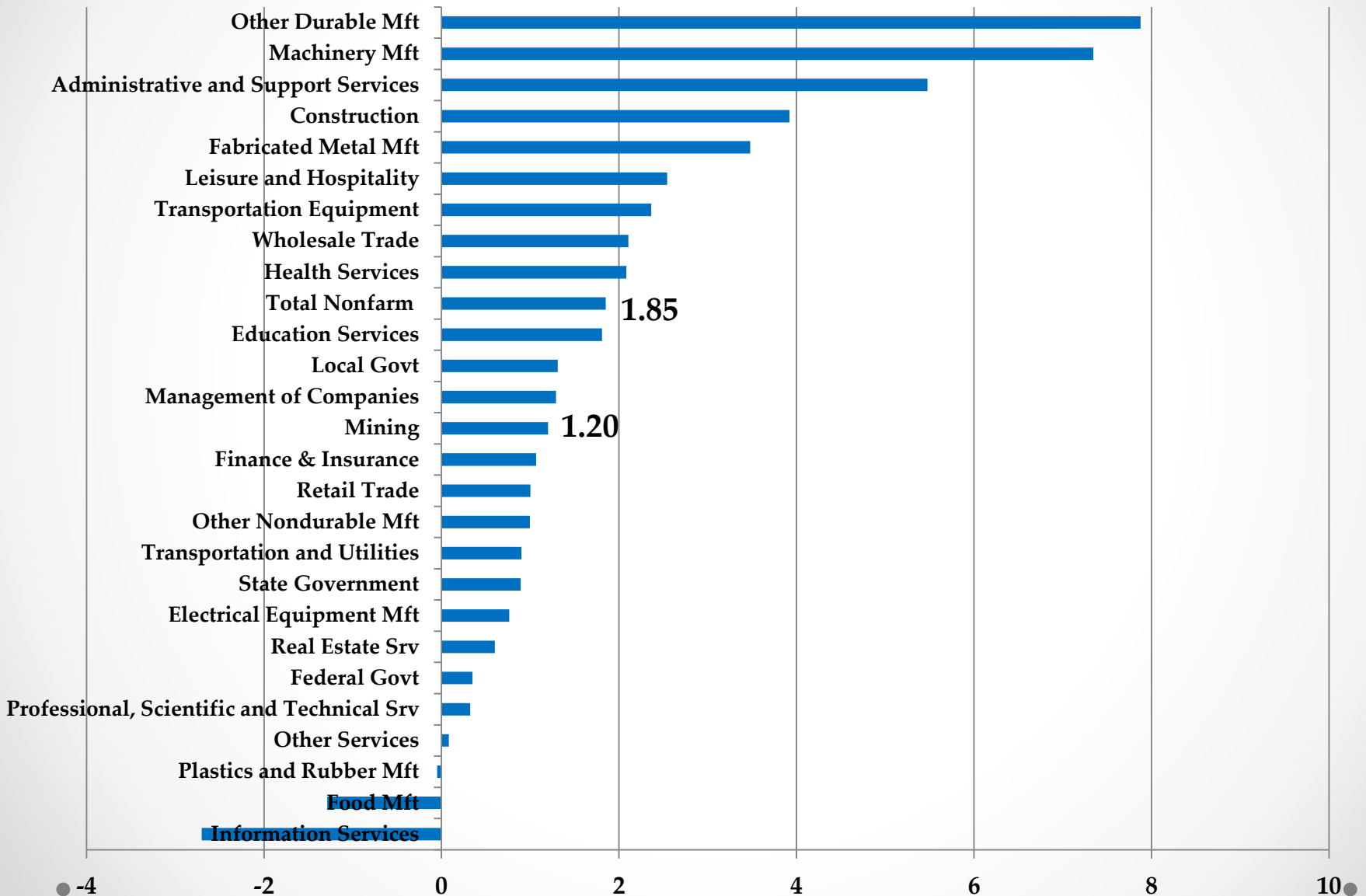
# U.S. and Oklahoma Mining Employment Growth (Annualized Rates)



# US and Oklahoma Nonfarm Employment Growth Rates (%)

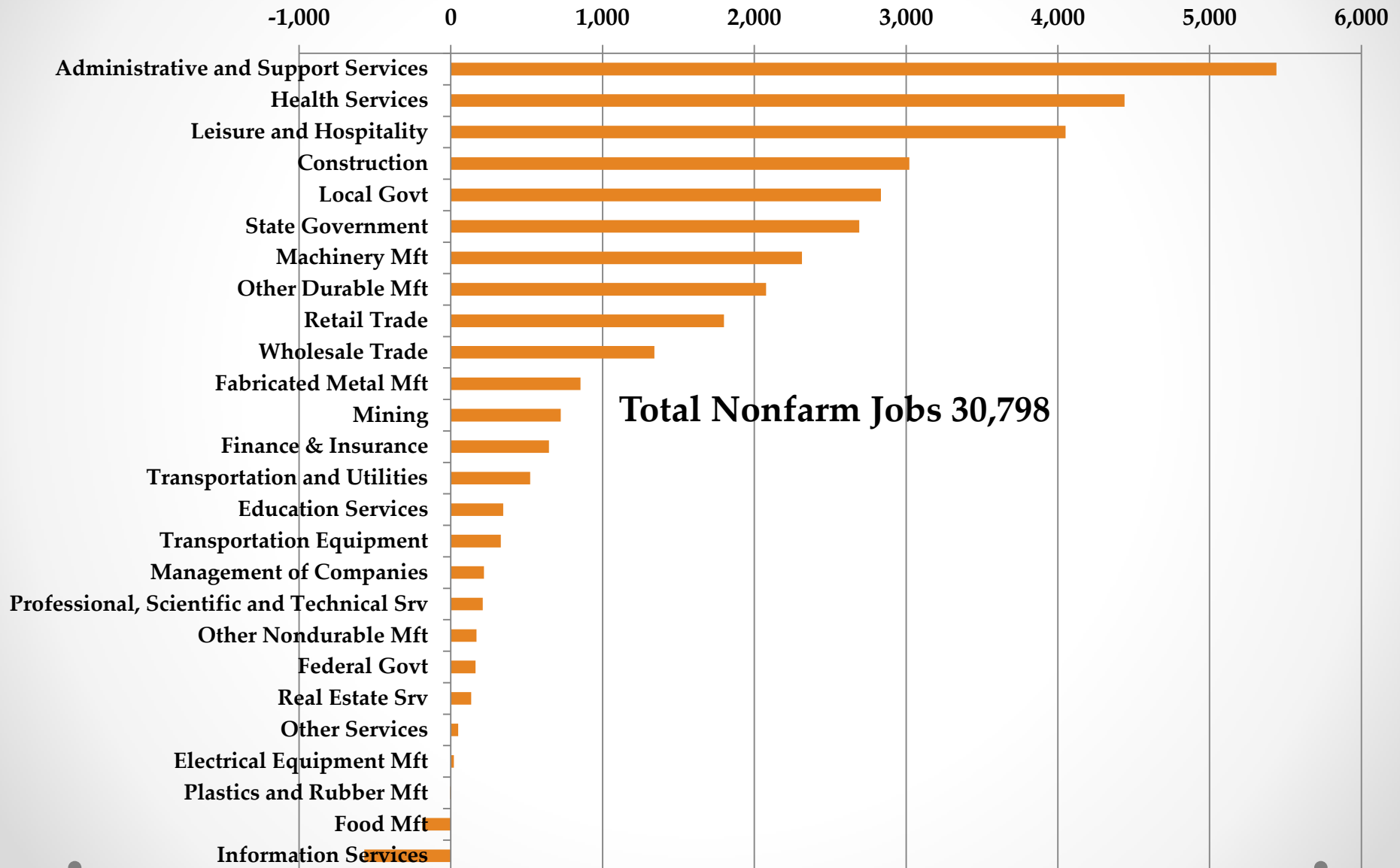


# Sector Change in Oklahoma Employment (%): 2015

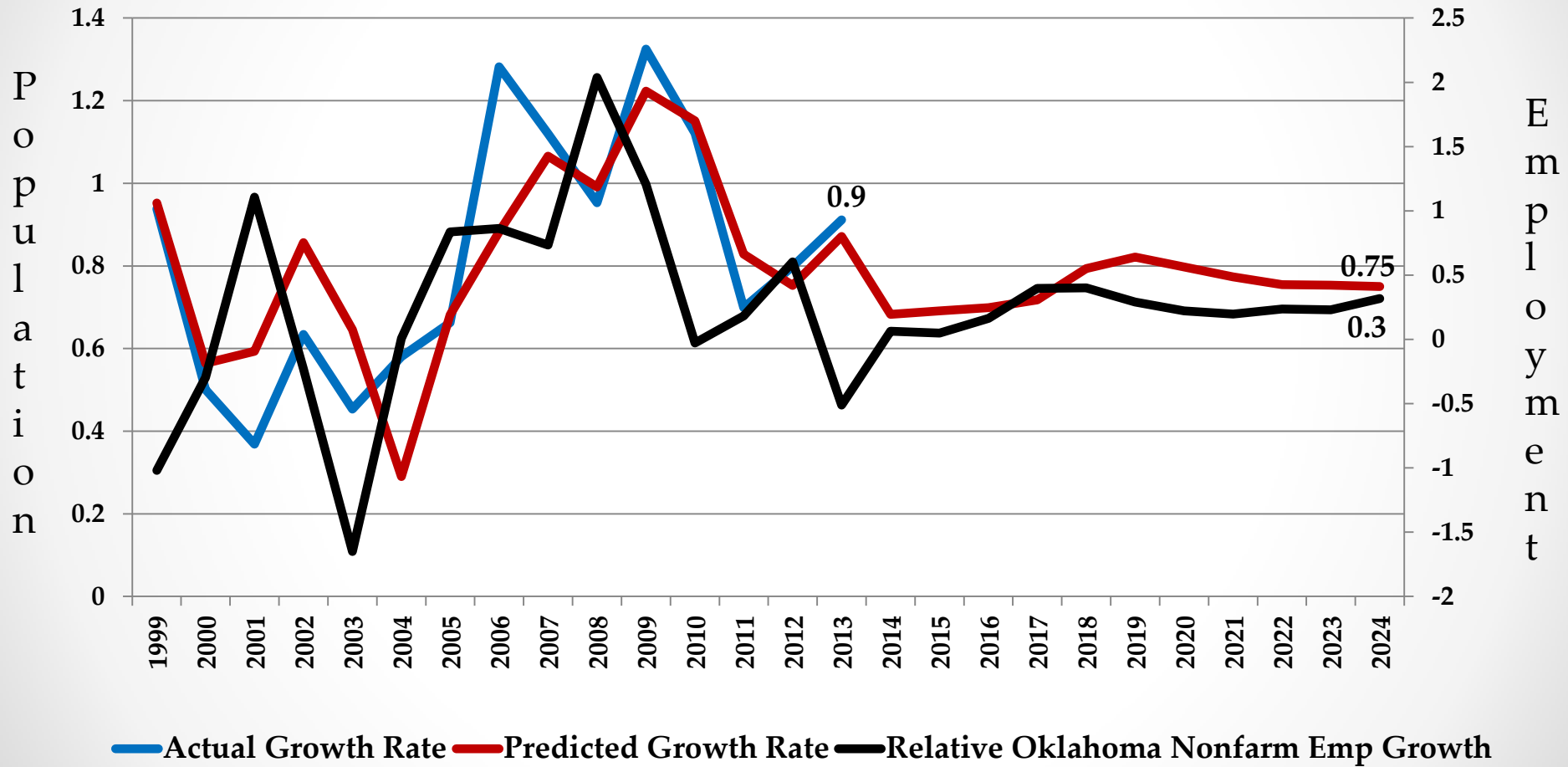




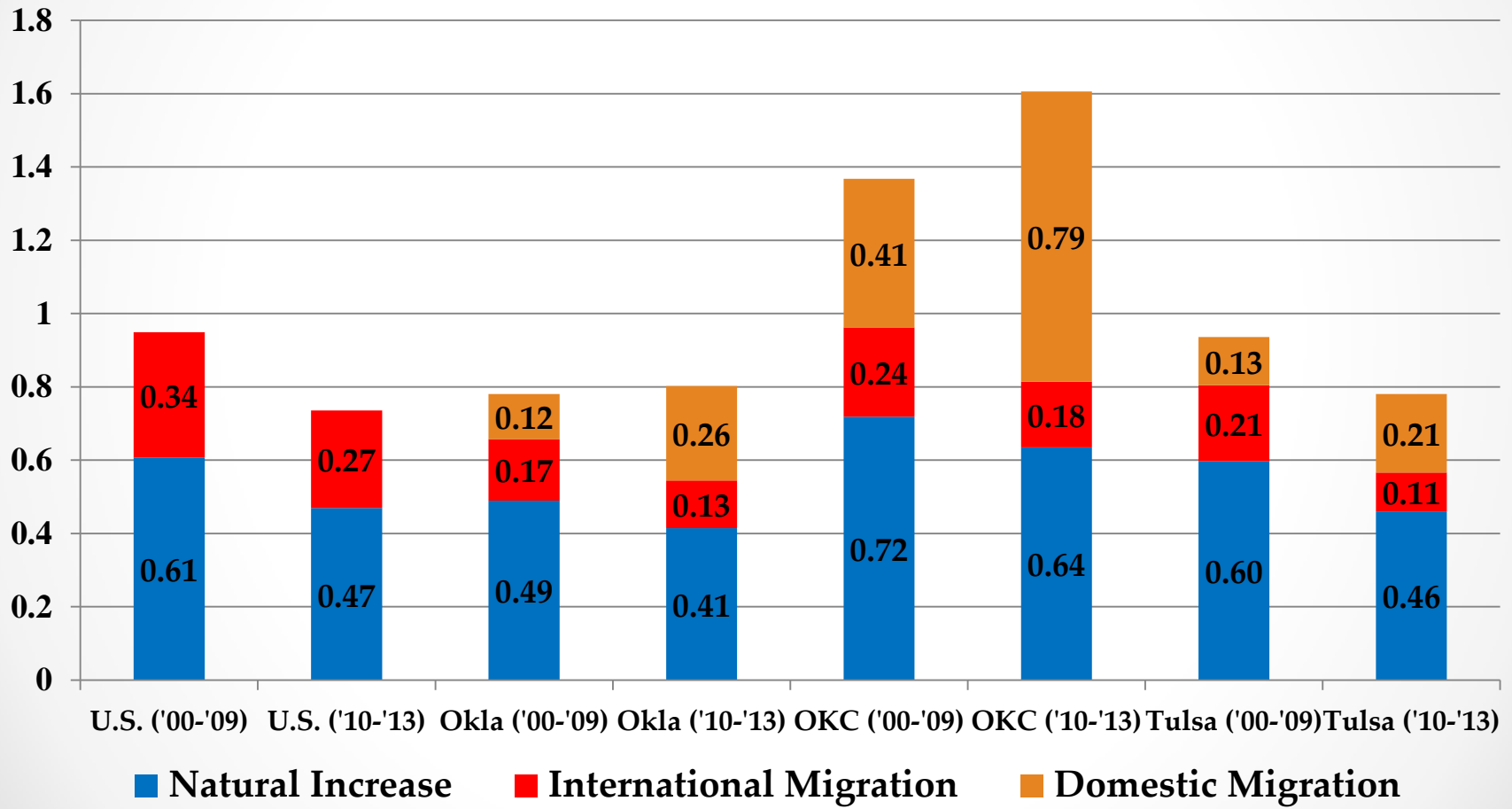
# Sector Change in Oklahoma Employment (Jobs): 2015



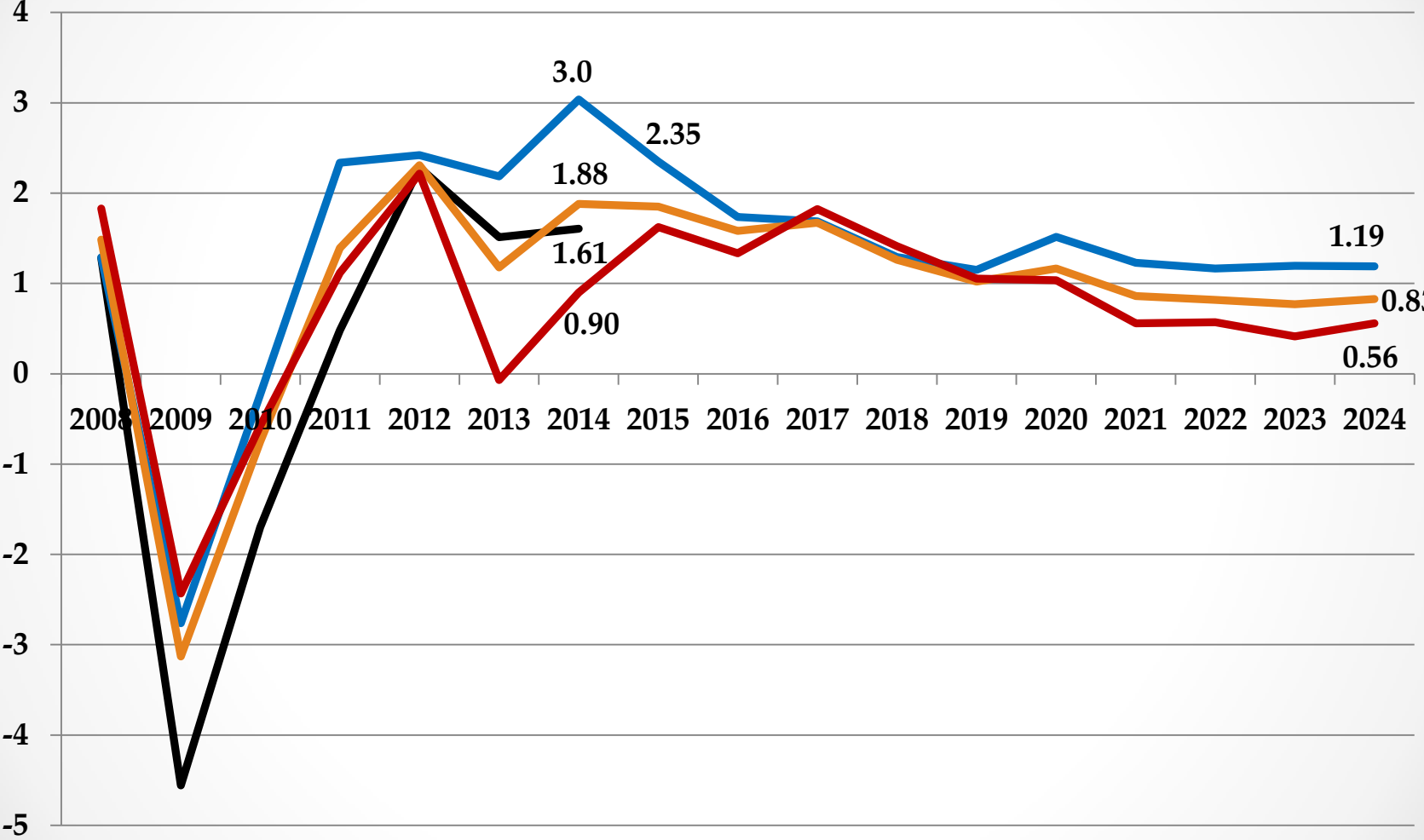
# Oklahoma Population Growth Rates (%)



# Components of Cumulative Population Growth: 2000-2009 (does not reflect 2010 Census) and 2010-2013: % population growth per year



# Oklahoma Major Metro Total Nonfarm Employment Growth Rates (%)

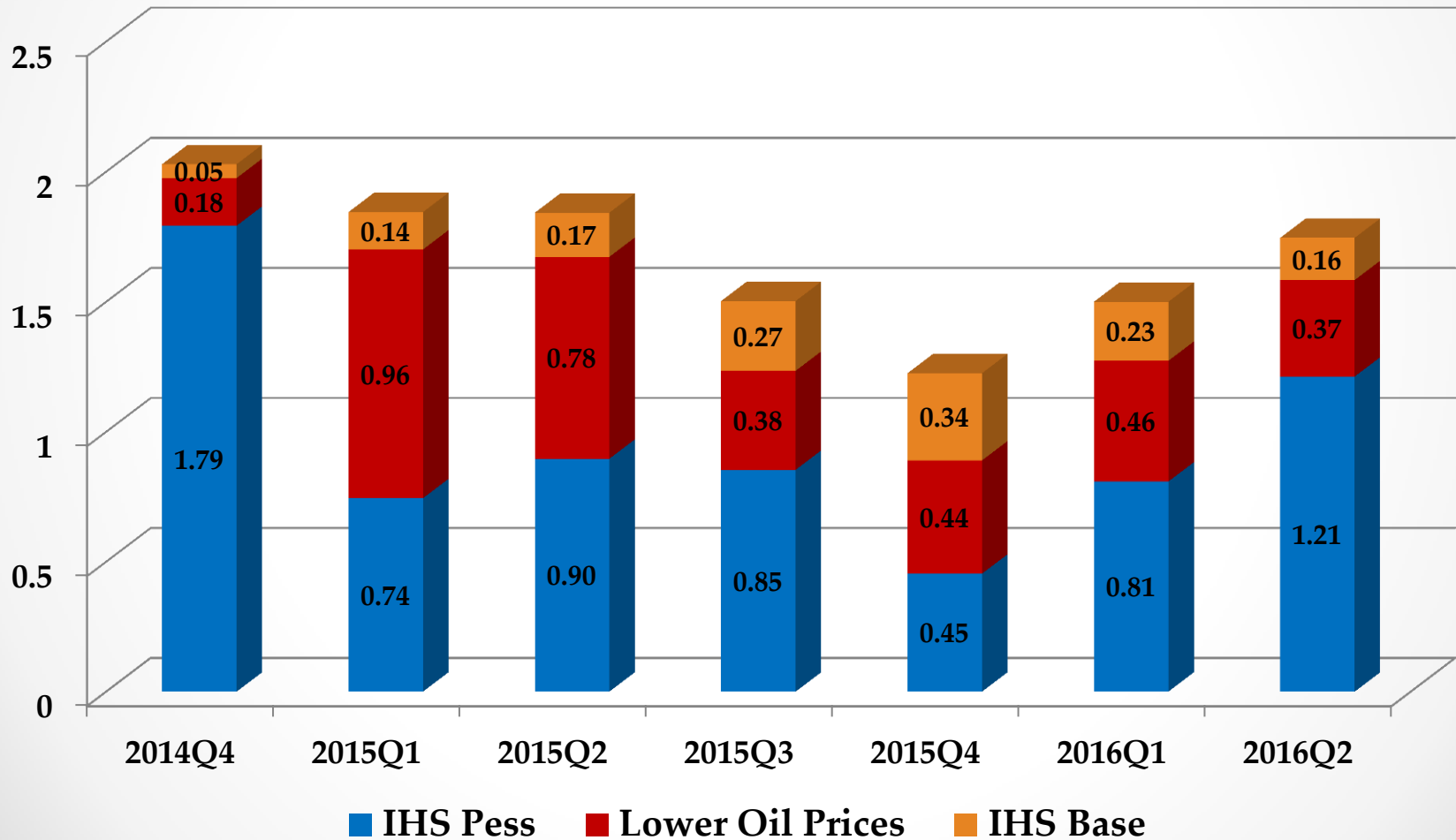


—Tulsa —OKC —OK —ROS

# Forecast Risks

- Oil prices fall further: slowing economic growth worldwide causing slow growth in demand for oil, strong domestic supply
- Oklahoma econometric model: mining sector wage and salary employment multiplier of approximately 1.6 (about 27% of all net nonfarm job growth attributable to energy sector from 2010-2014)
- Weakness in the housing market (slow household formation: limited access to mortgage debt, student loan debt); labor force does not bounce back

# Alternative Scenarios: Oklahoma Nonfarm Employment (%) (15% probability each)



Thank you for your attention