

The background of the slide is a silhouette of a construction site at dusk or dawn. Several construction workers are visible, working on a structure. A large crane is prominent in the center, and various steel beams and rebar structures are scattered across the scene. The sky is a warm, hazy orange color.

Construction Owners Association of Alberta Best Practices Conference XIX May 17 & 18, 2011



Workforce Demand Forecast

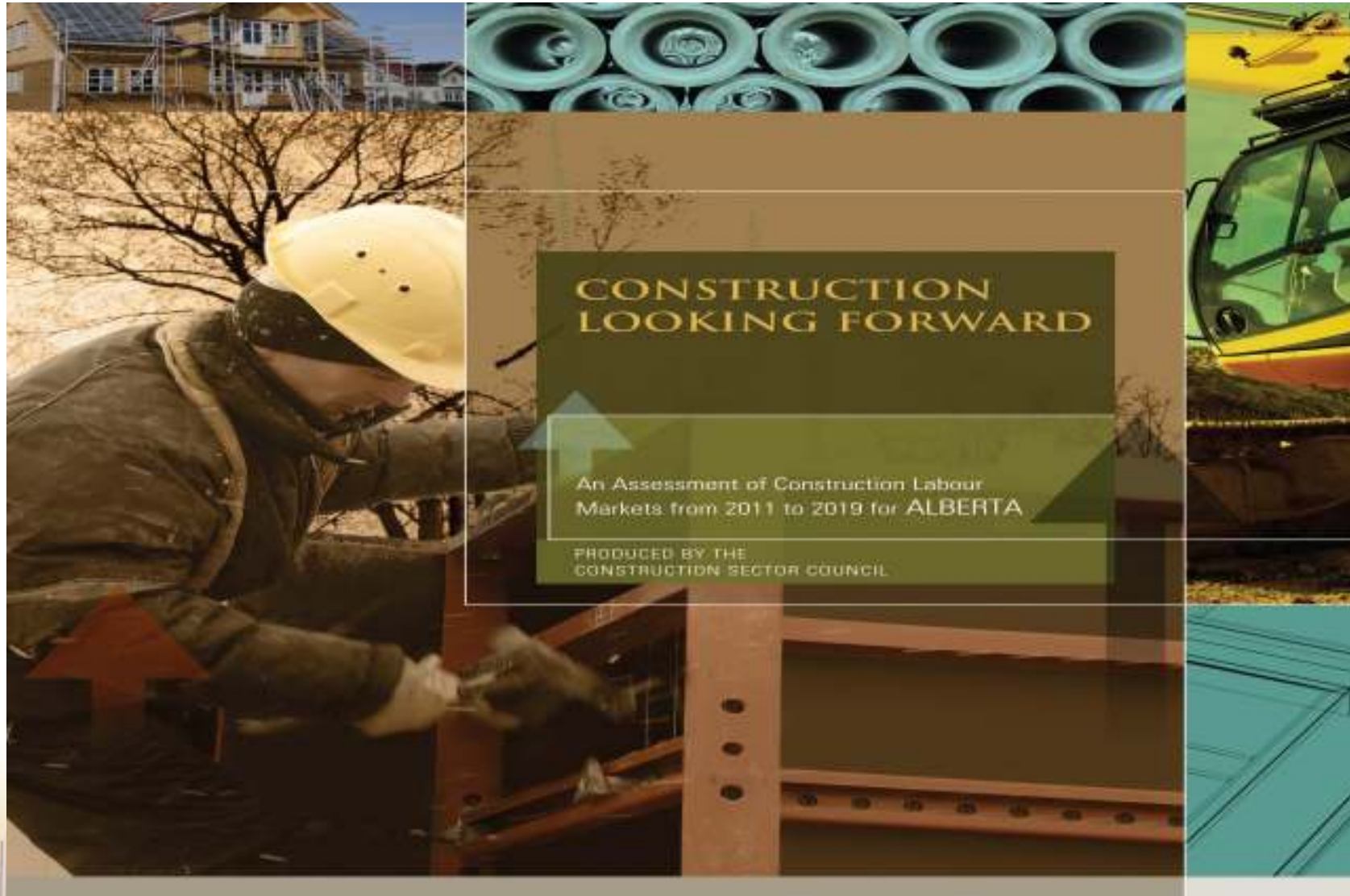
Herb Holmes

Chair, Workforce Demand Forecast
Committee

Labour Relations Representative
Construction Labour Relations - Alberta

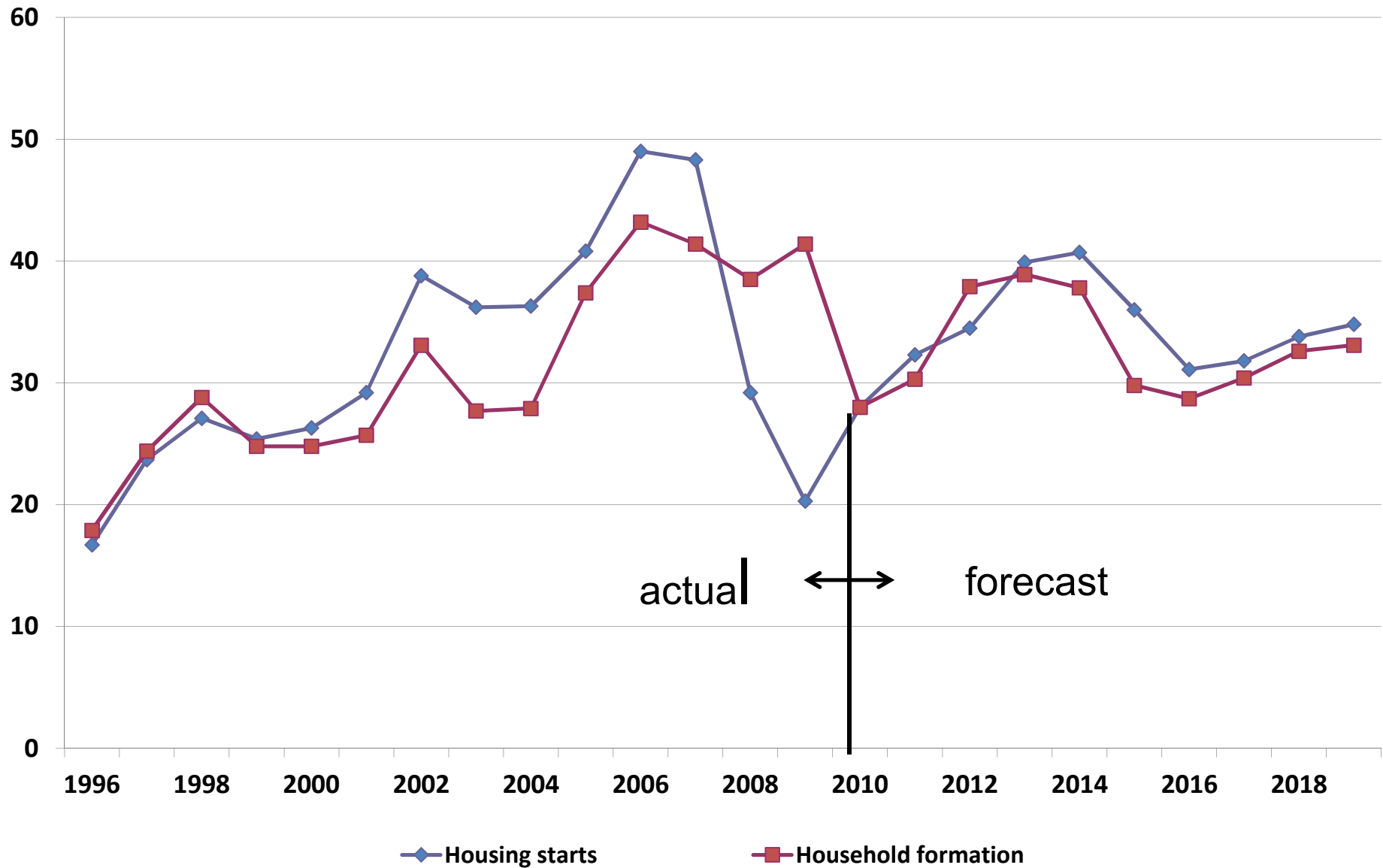


Forecast 2011



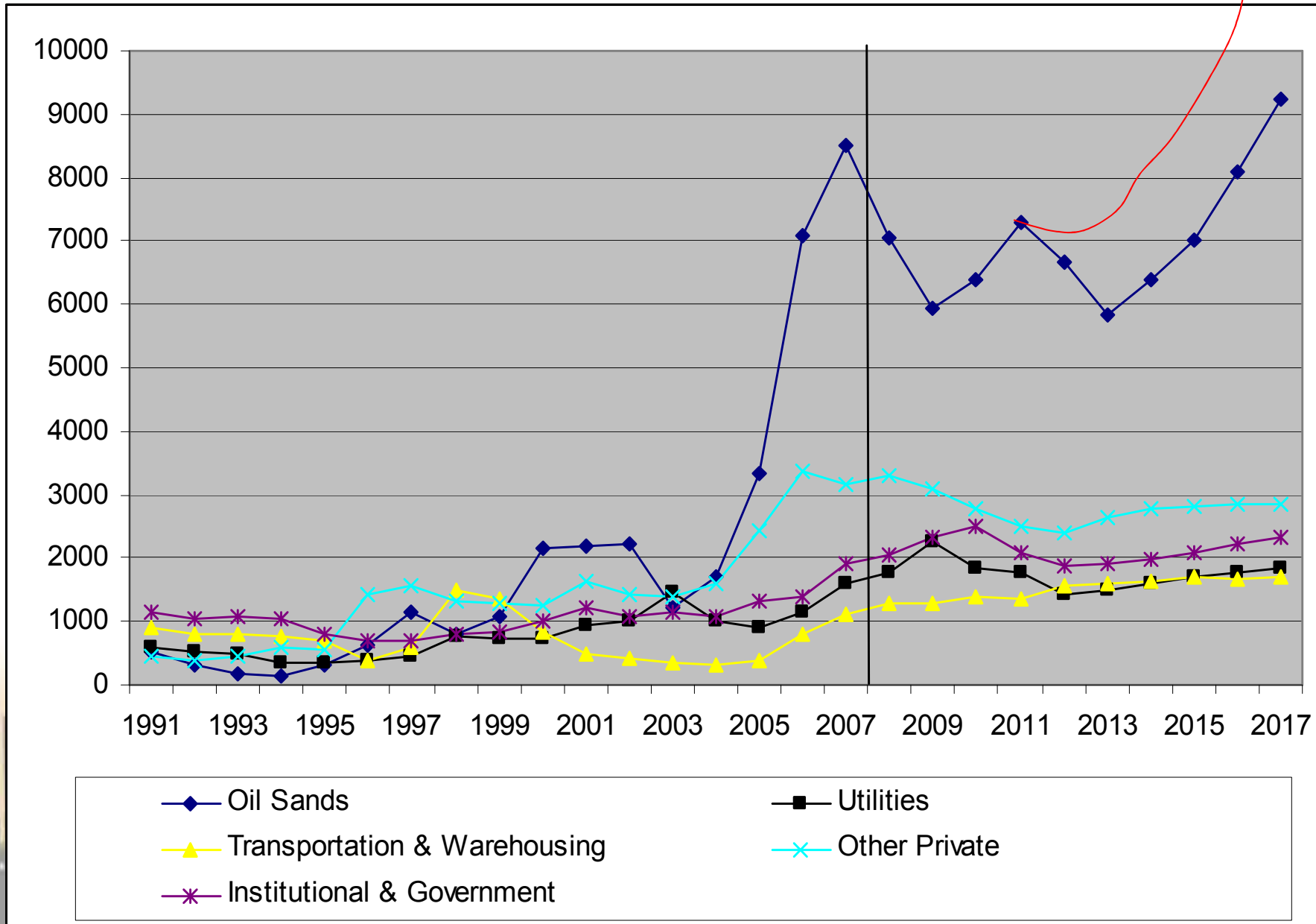


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Association of Alberta

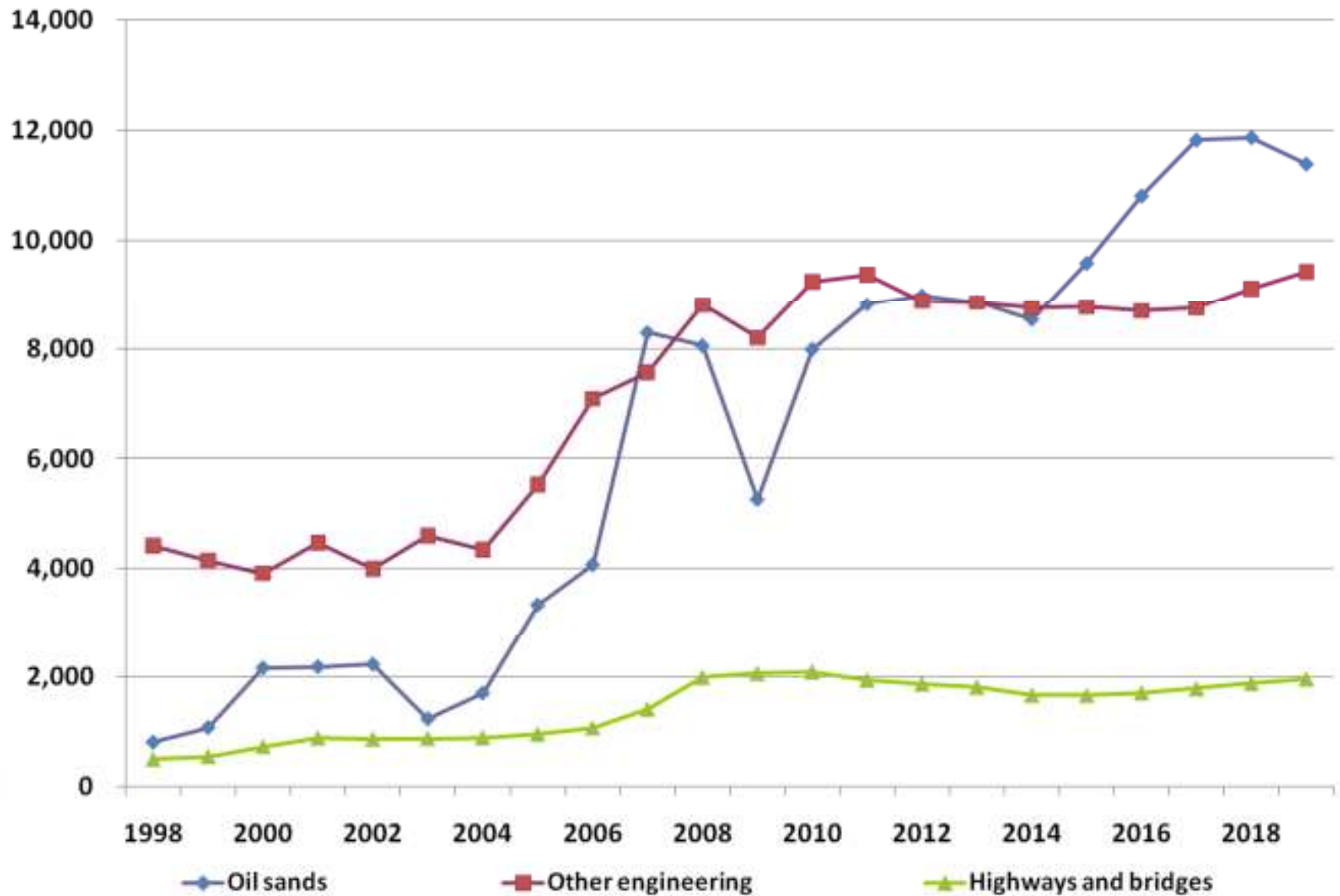




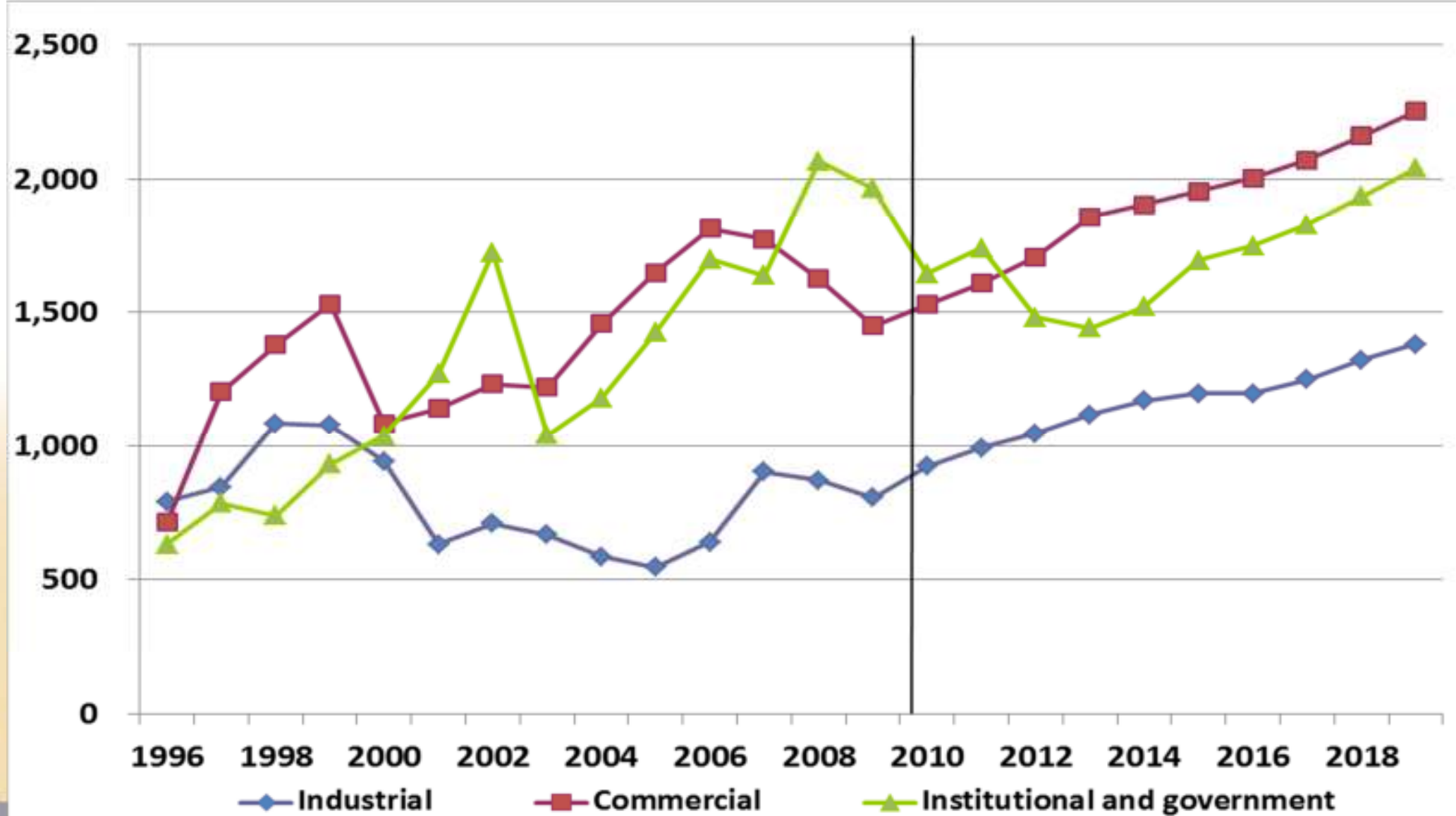
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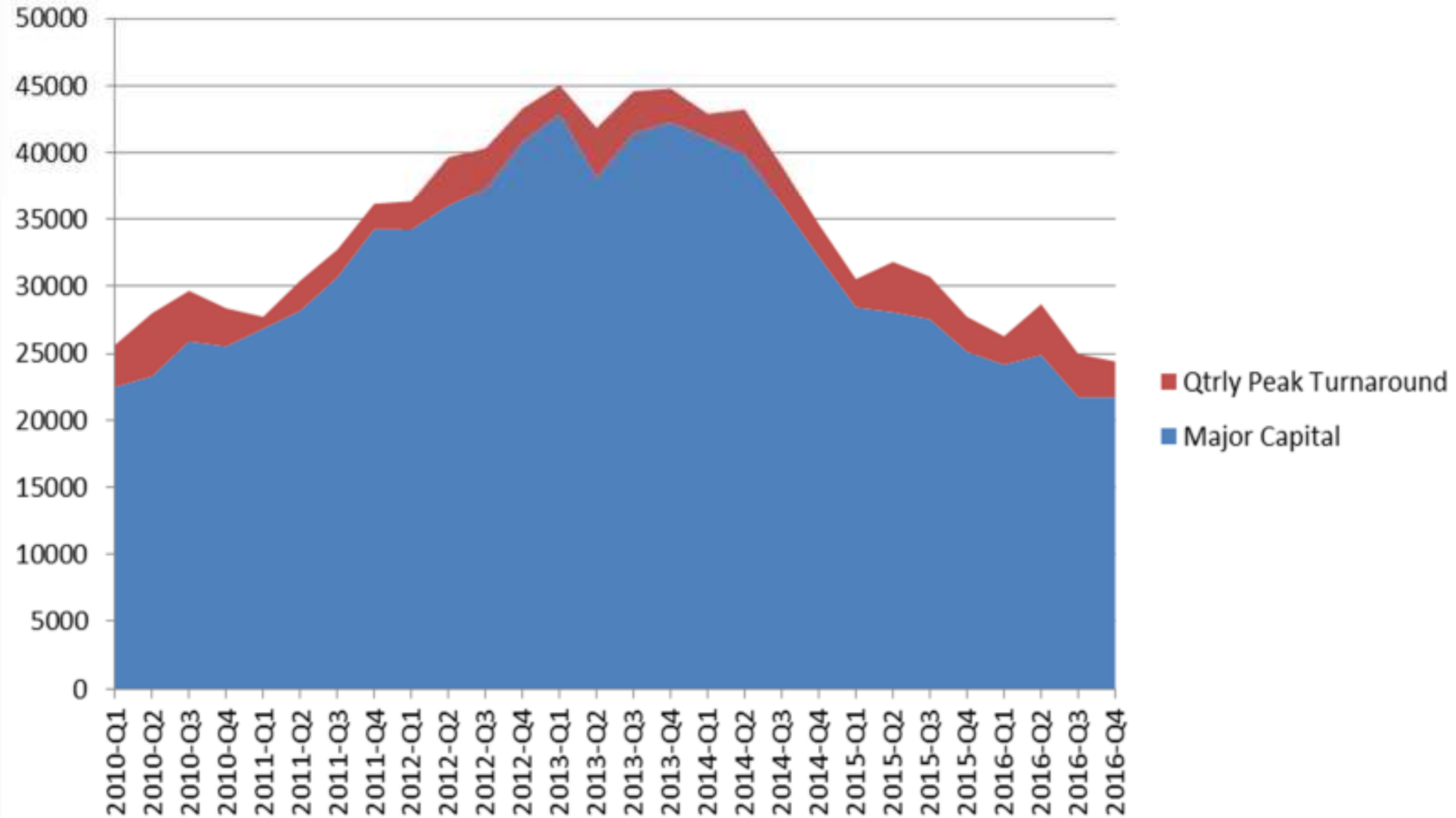
Oilsands and Major Engineering Construction Investment



Other Non-Residential Construction



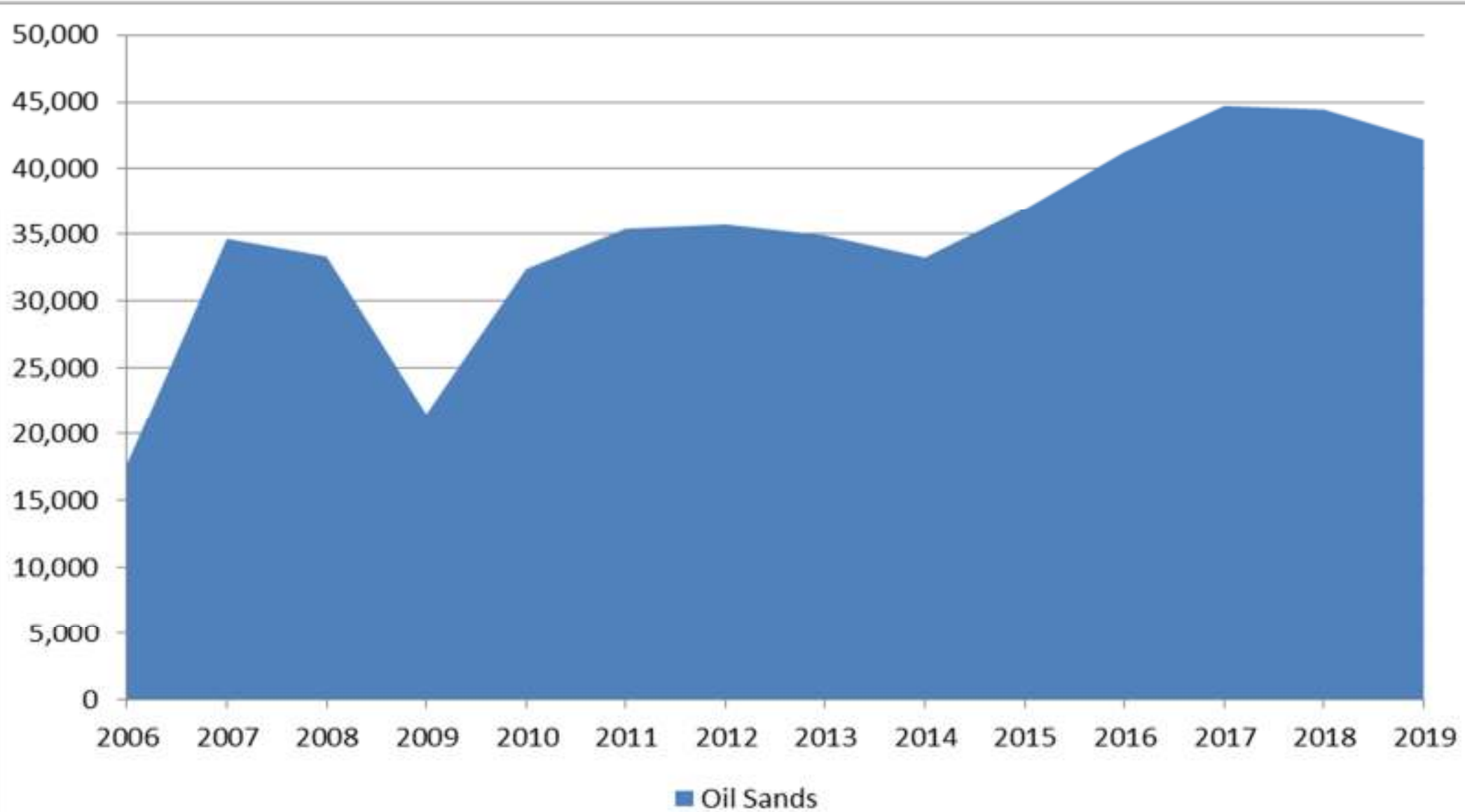
May 2011 LMI Graph



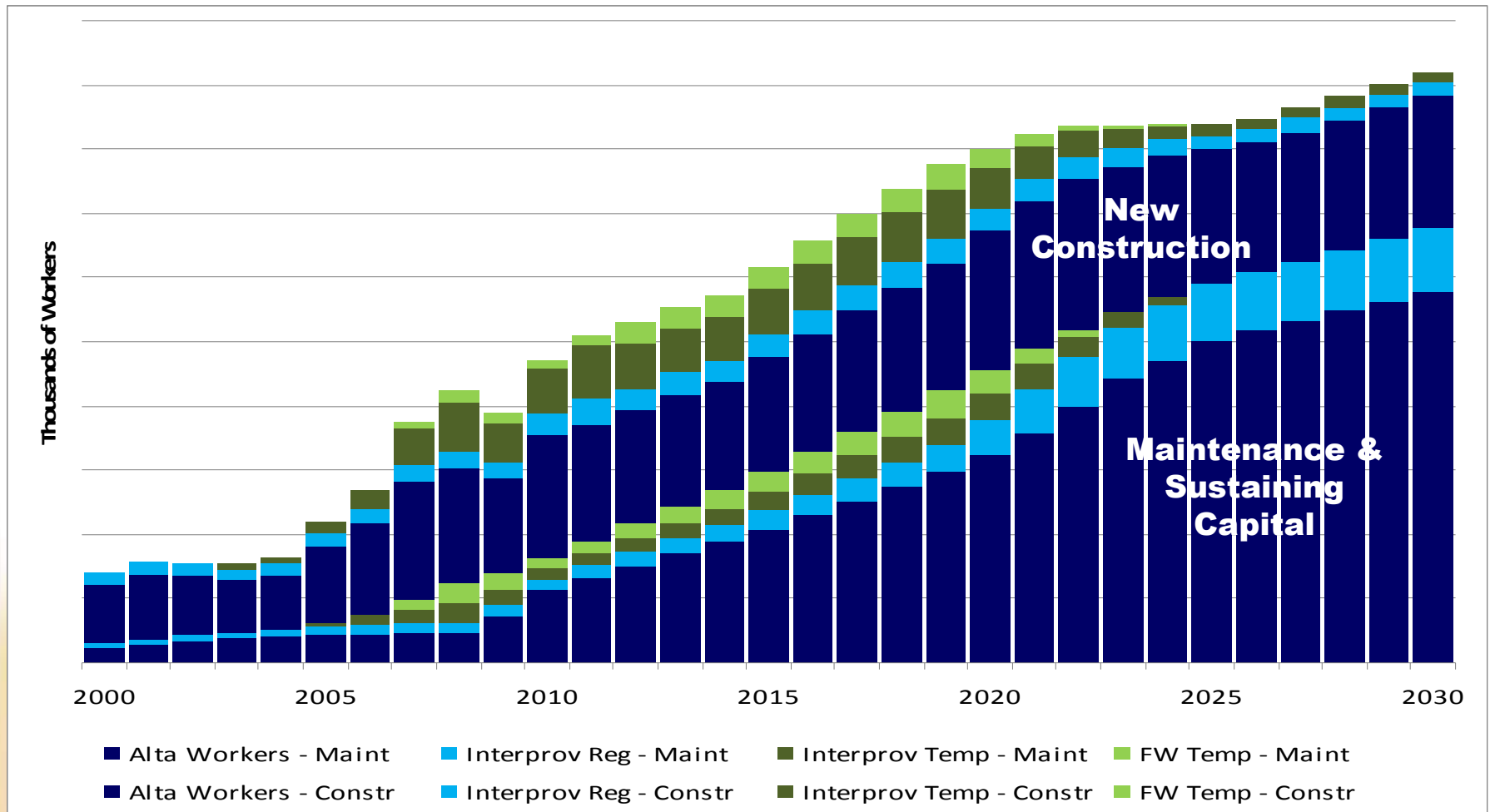


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Oil Sands Construction, Maintenance, and Sustaining Capital Employment

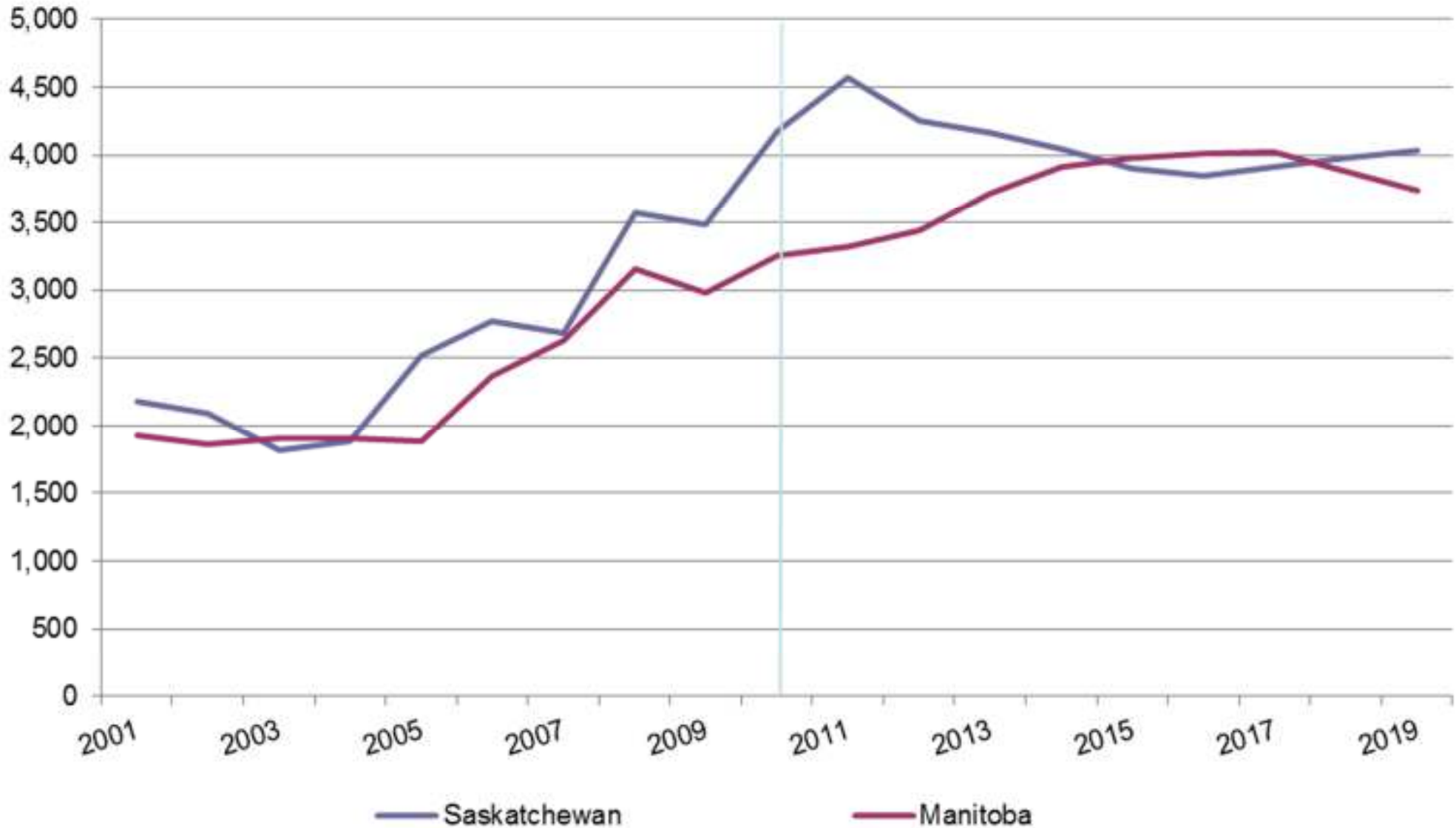


The Evolution of the Alberta Engineering Construction / Maintenance Work Force

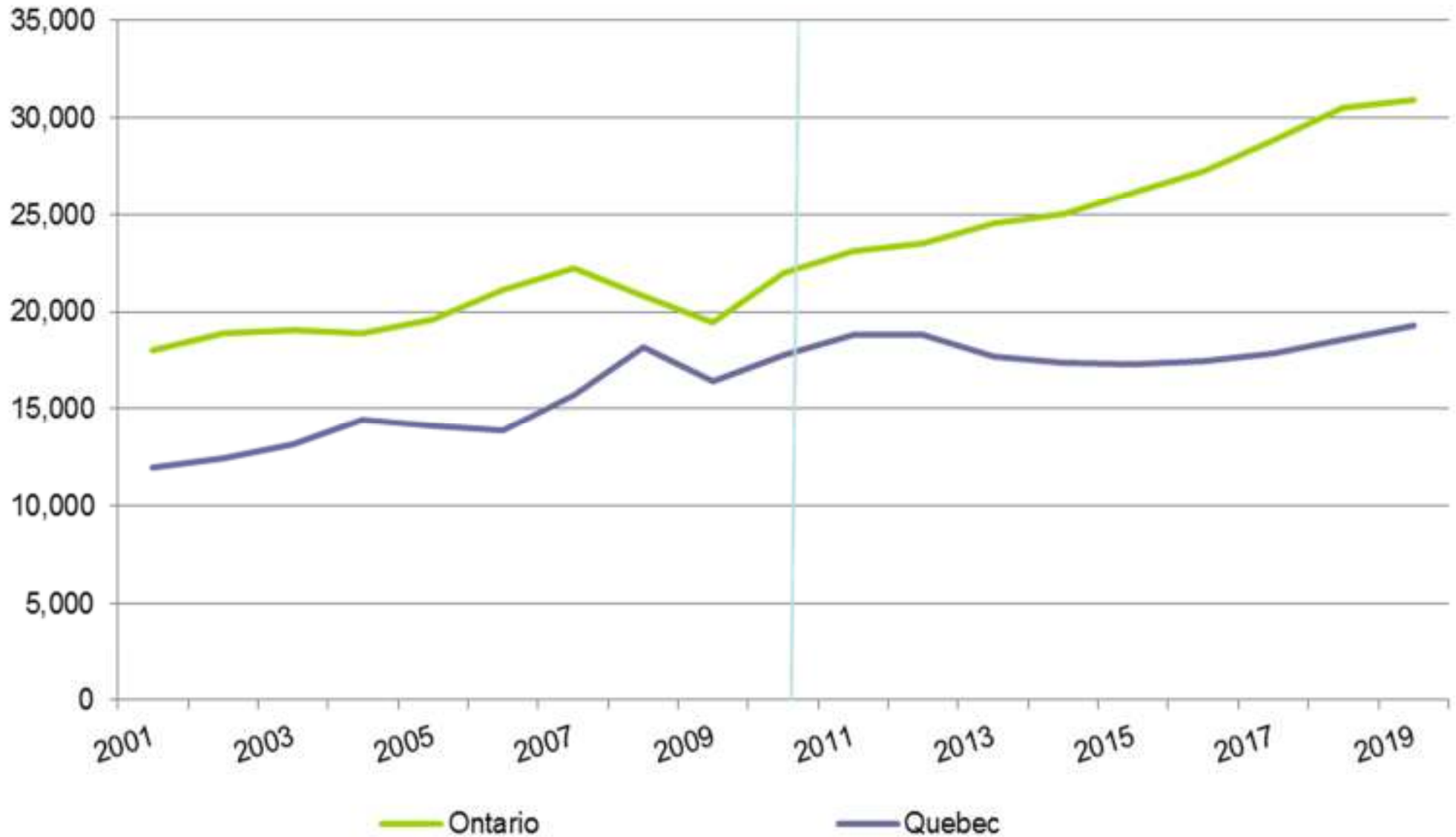




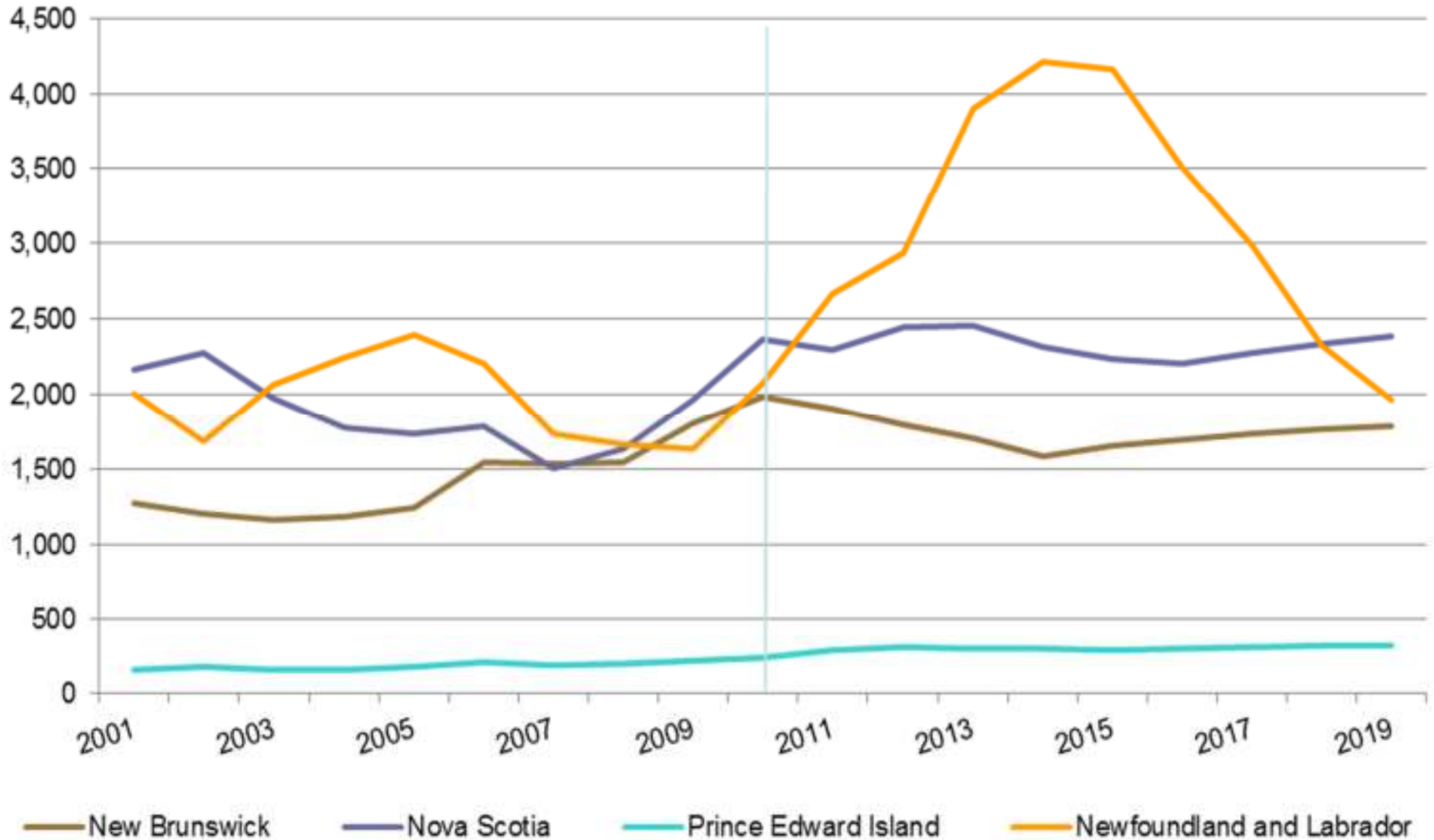
Non-residential Construction Investment, Saskatchewan / Manitoba 2001 to 2019



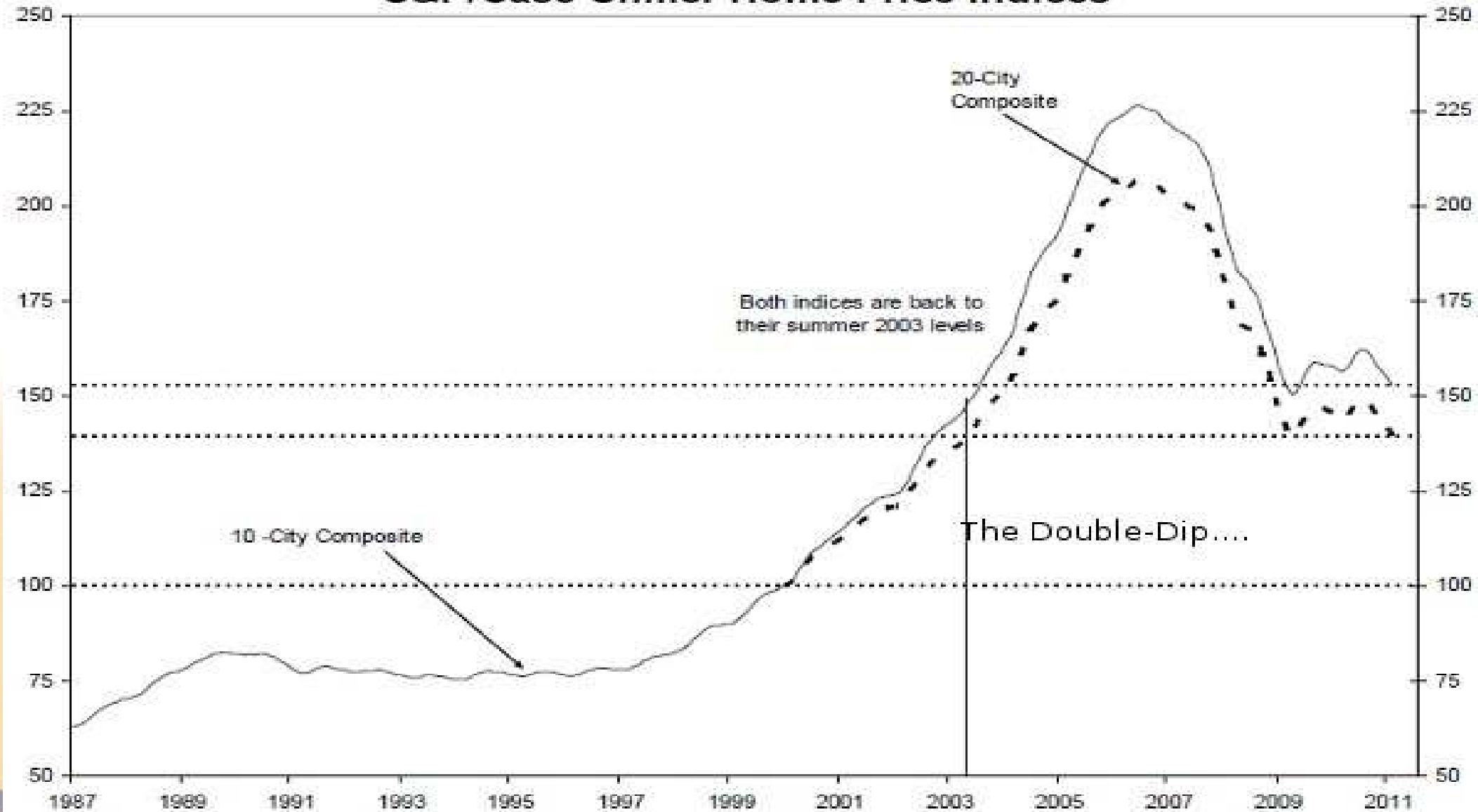
Non-residential Construction Investment, Ontario & Quebec 2001 to 2019



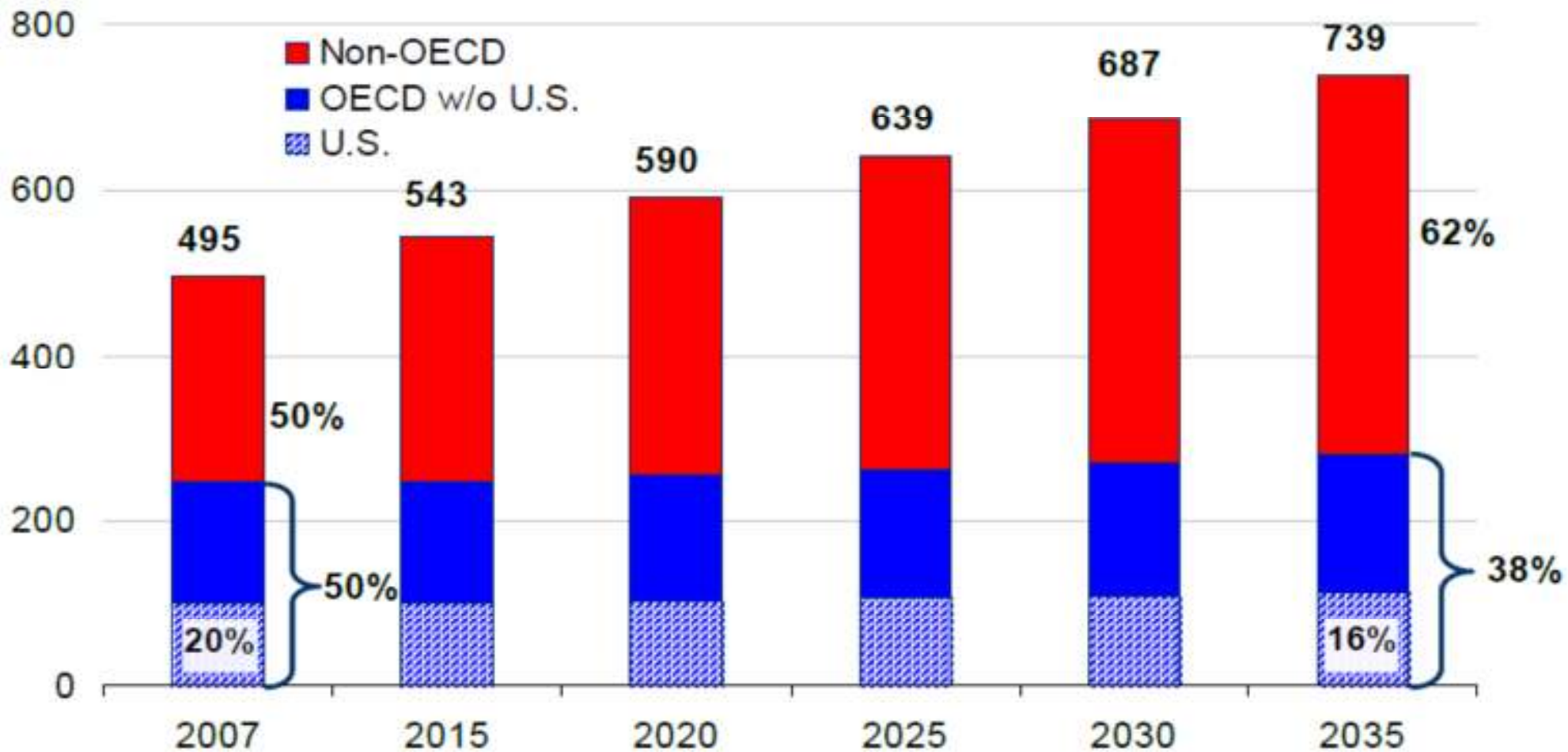
Non-residential Construction Investment, Atlantic Provinces 2001 to 2019



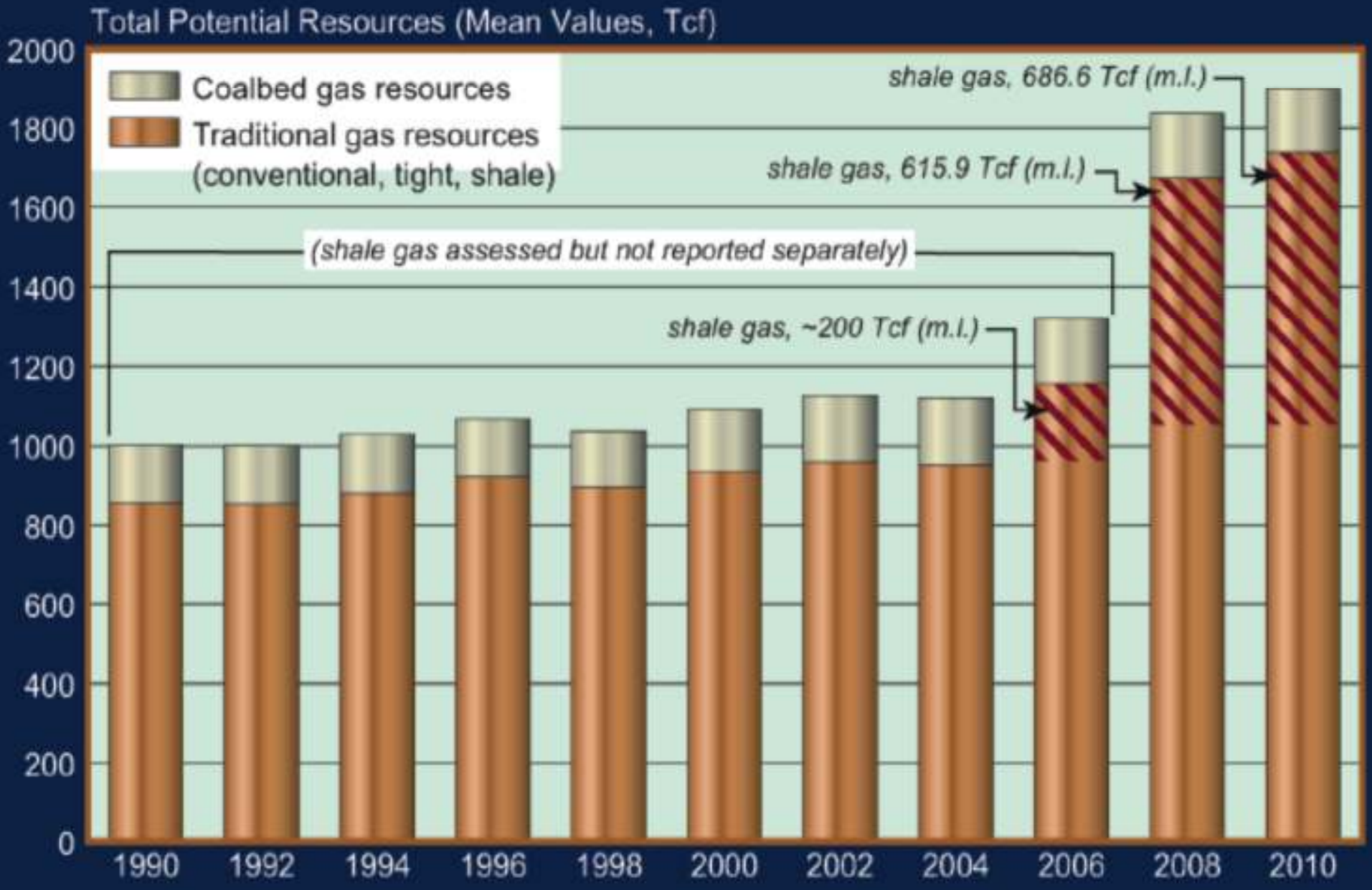
S&P/Case-Shiller Home Price Indices



energy consumption
quadrillion Btu



Total Potential Gas Resources (Mean Values)



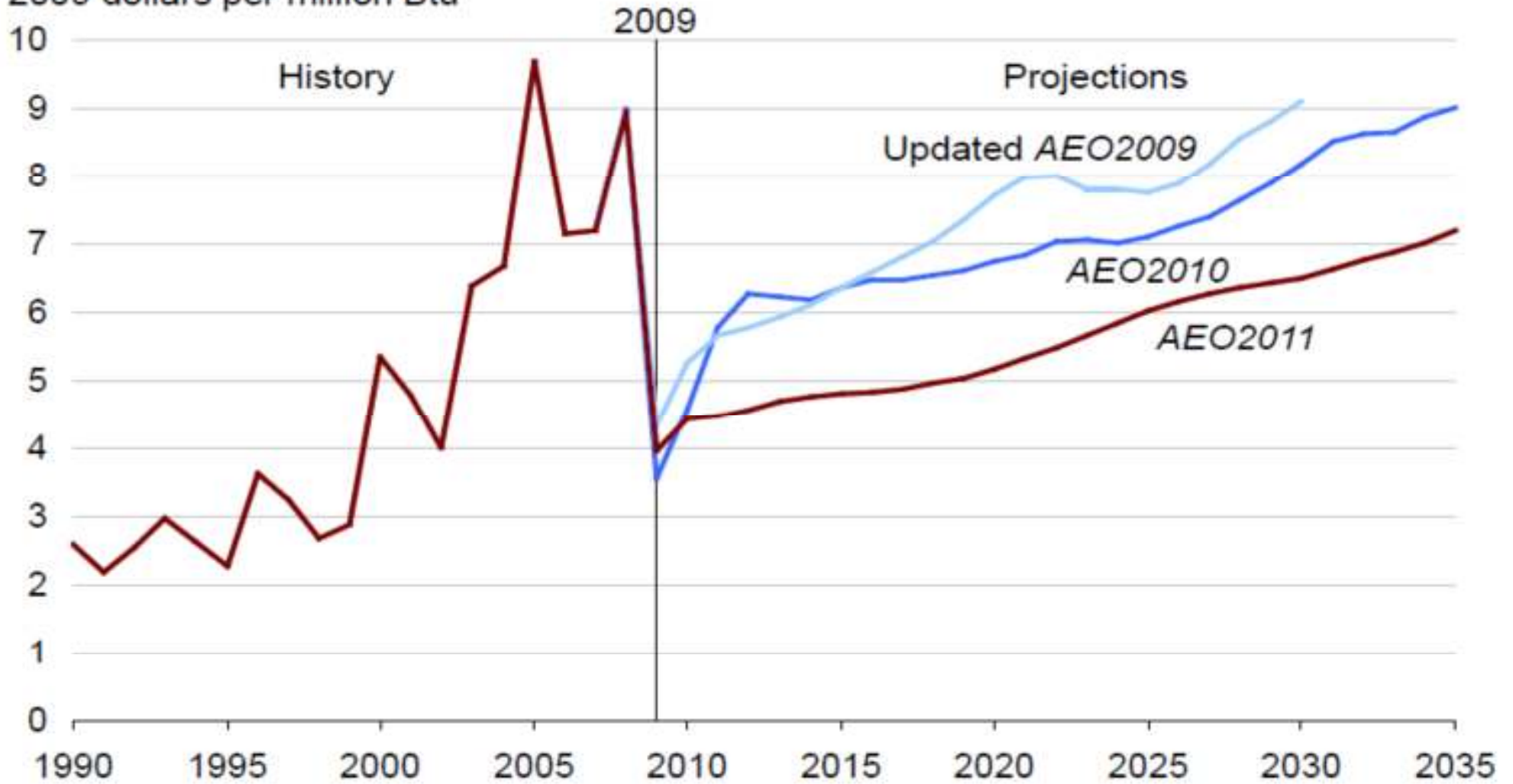
Data source: Potential Gas Committee (2011)



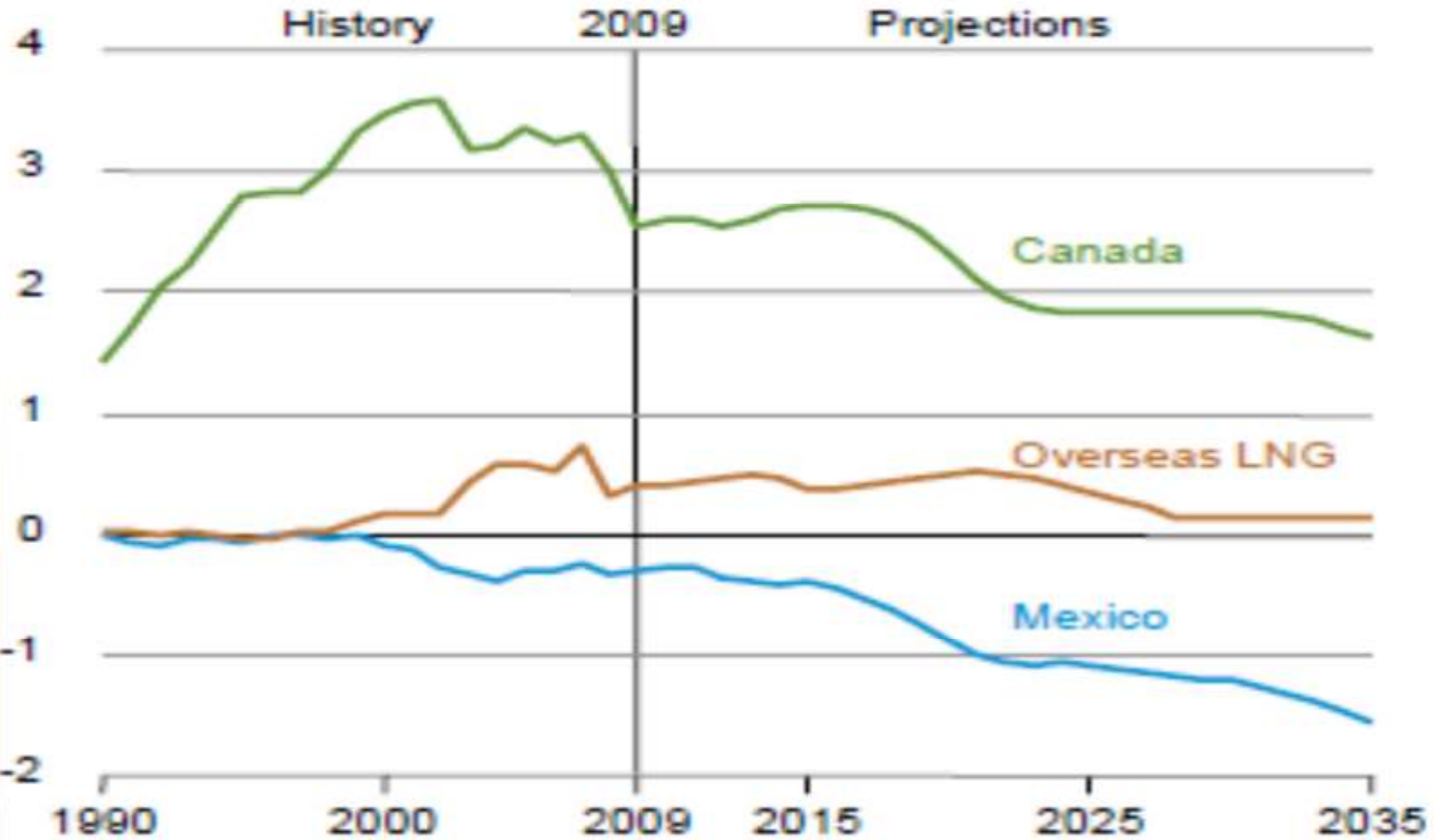
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natural gas spot price (Henry Hub)
2009 dollars per million Btu



US Net Imports of Natural Gas (trillion cubic feet)



Selected Company 5-Year Imputed Production Costs/Mcfe

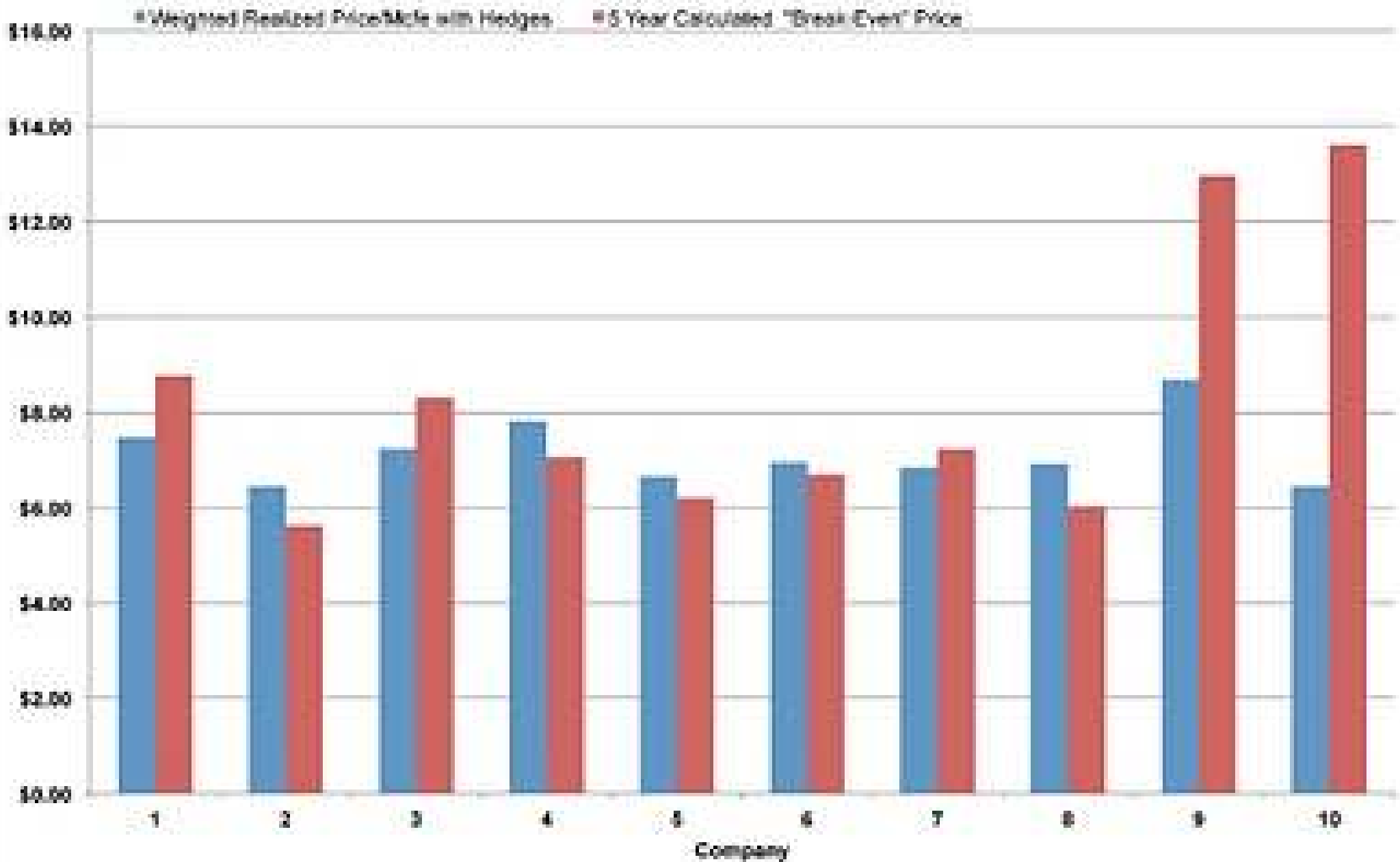


Figure 5. Selected shale company 5-year production costs and realized prices.
Source: Company files.

Four Operator Barnett Gas Production & Number of Wells

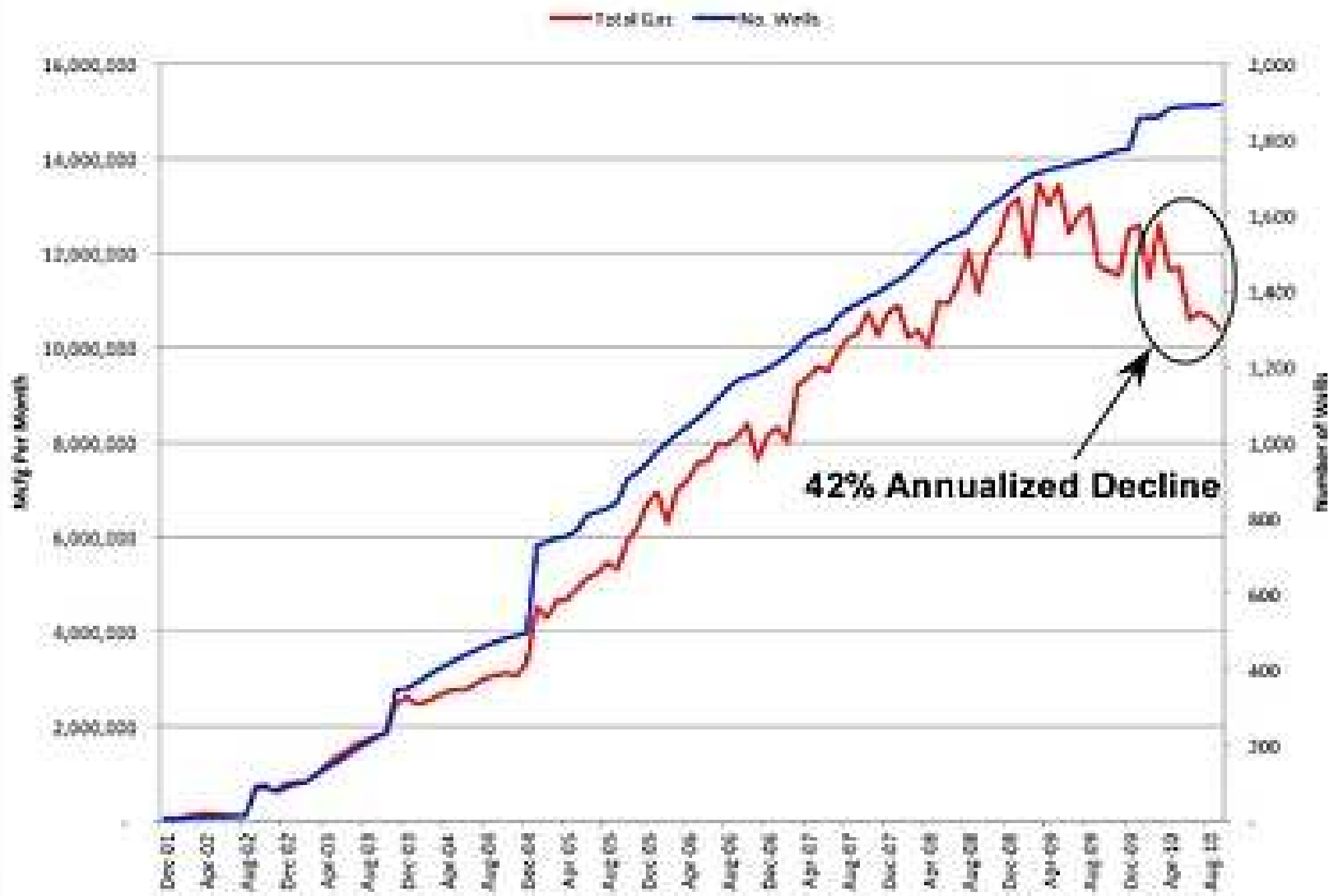
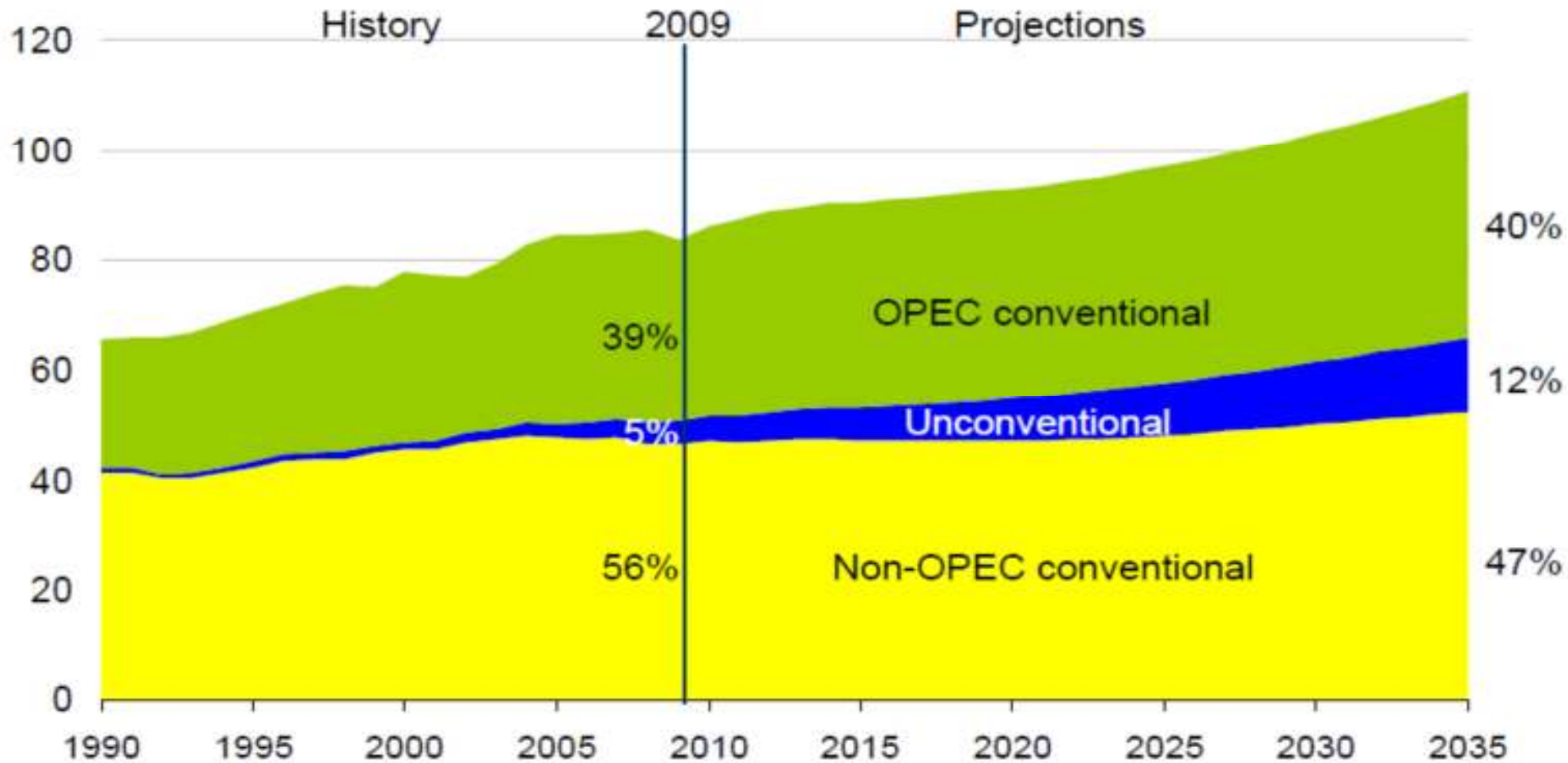
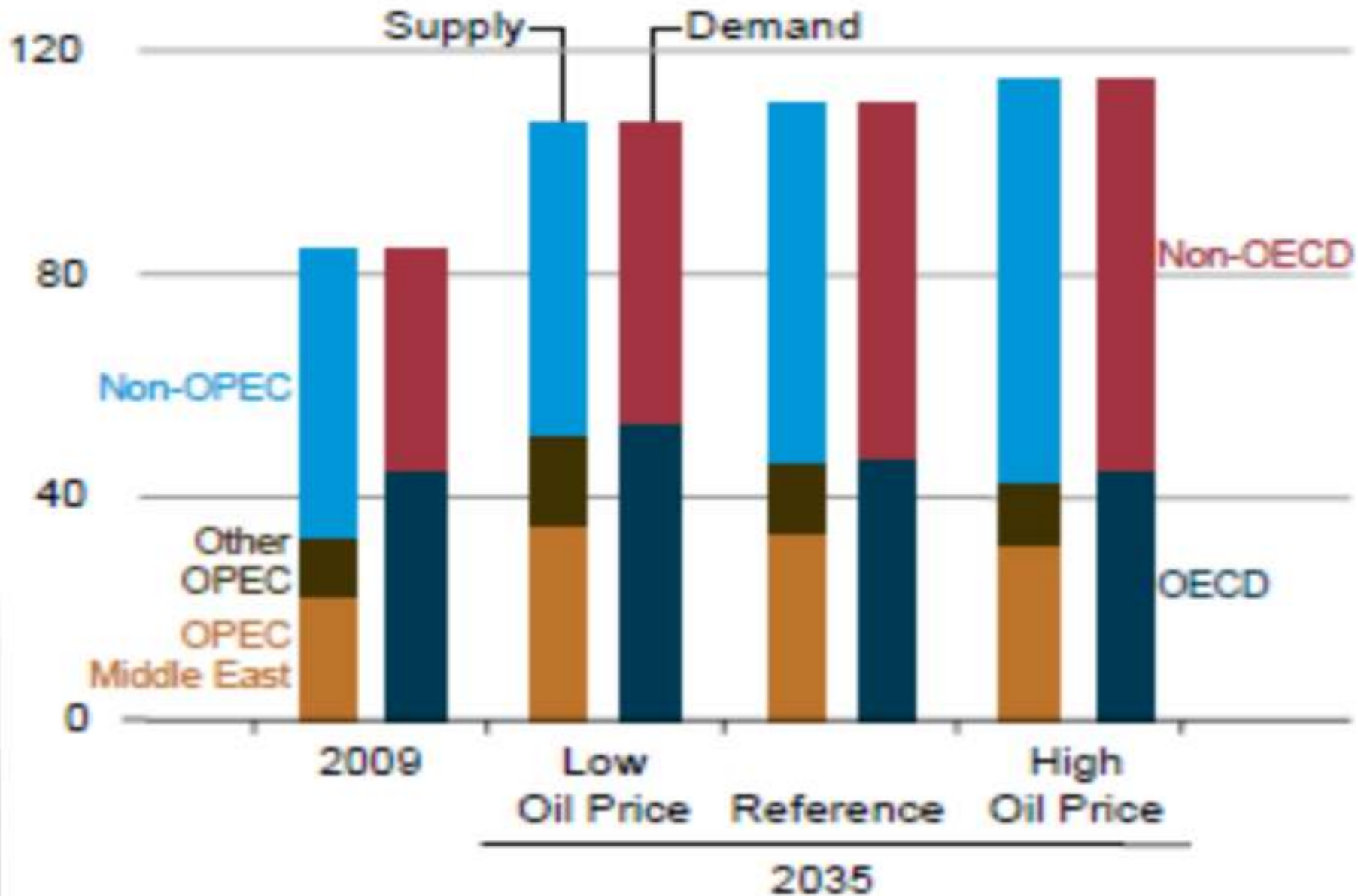


Figure 7. Combined portfolio decline of Encana, ConocoPhillips, Williams and Range Resources in the Barnett Shale. Source: Texas Railroad Commission.

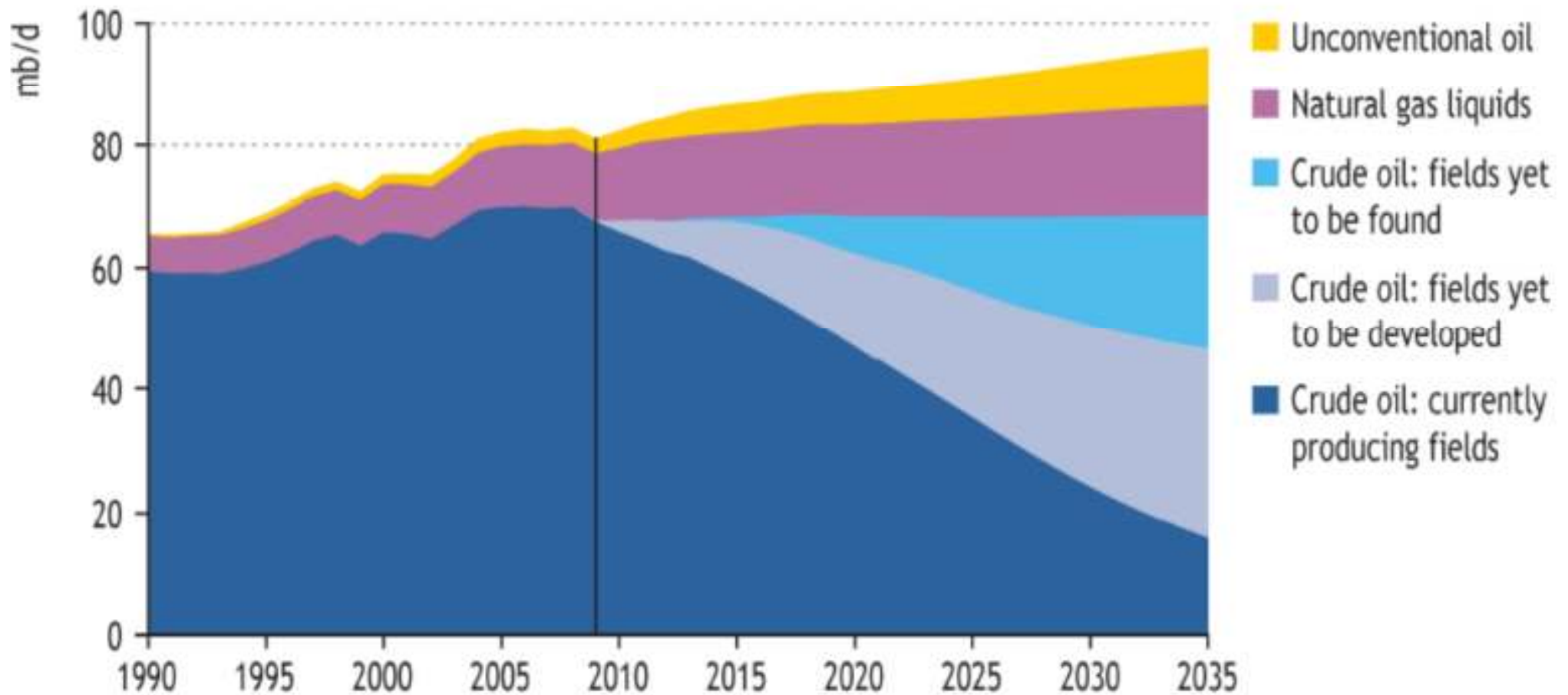
global liquids production
million barrels per day



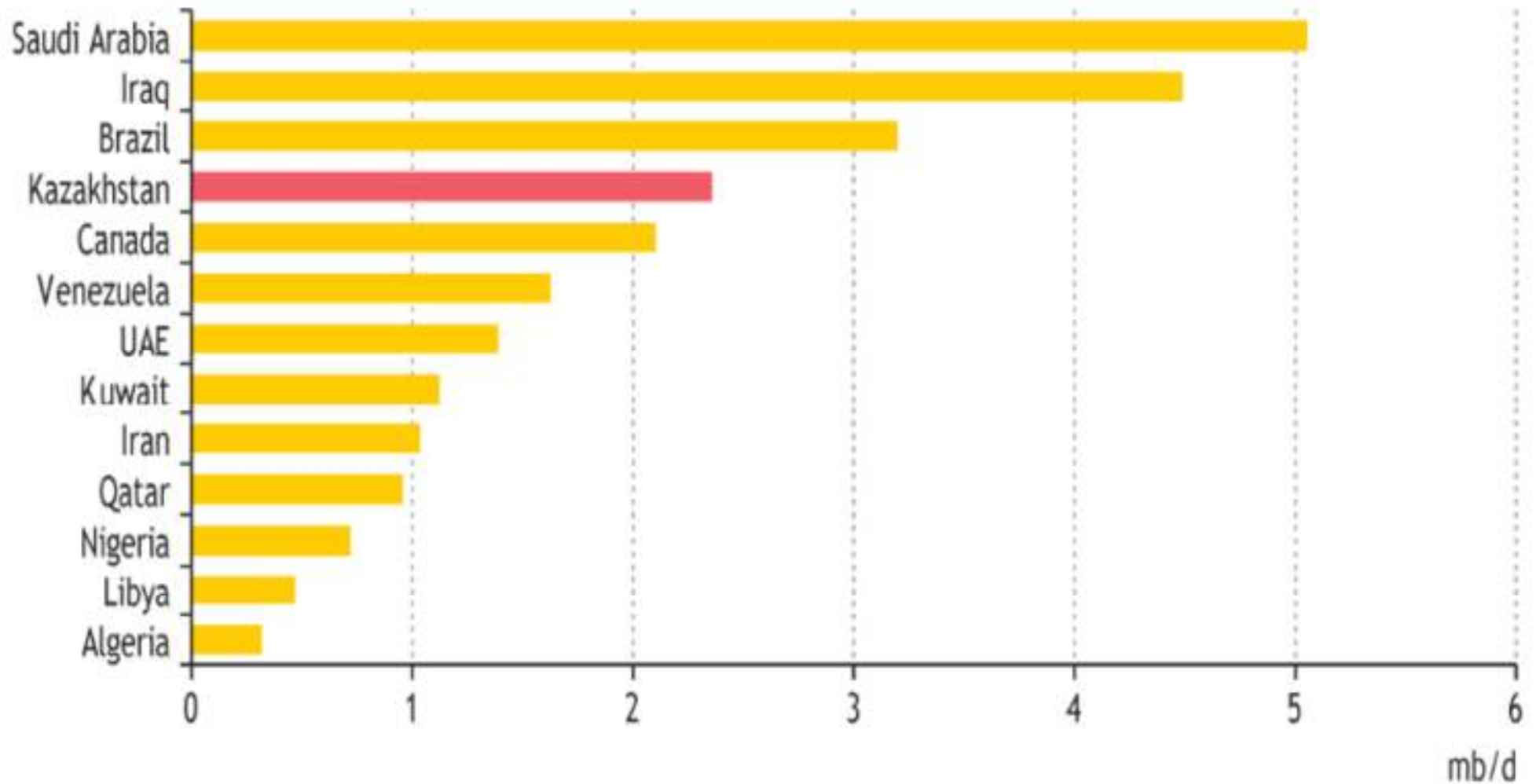
World Liquids Supply and Demand to 2035 (EIA Forecast)



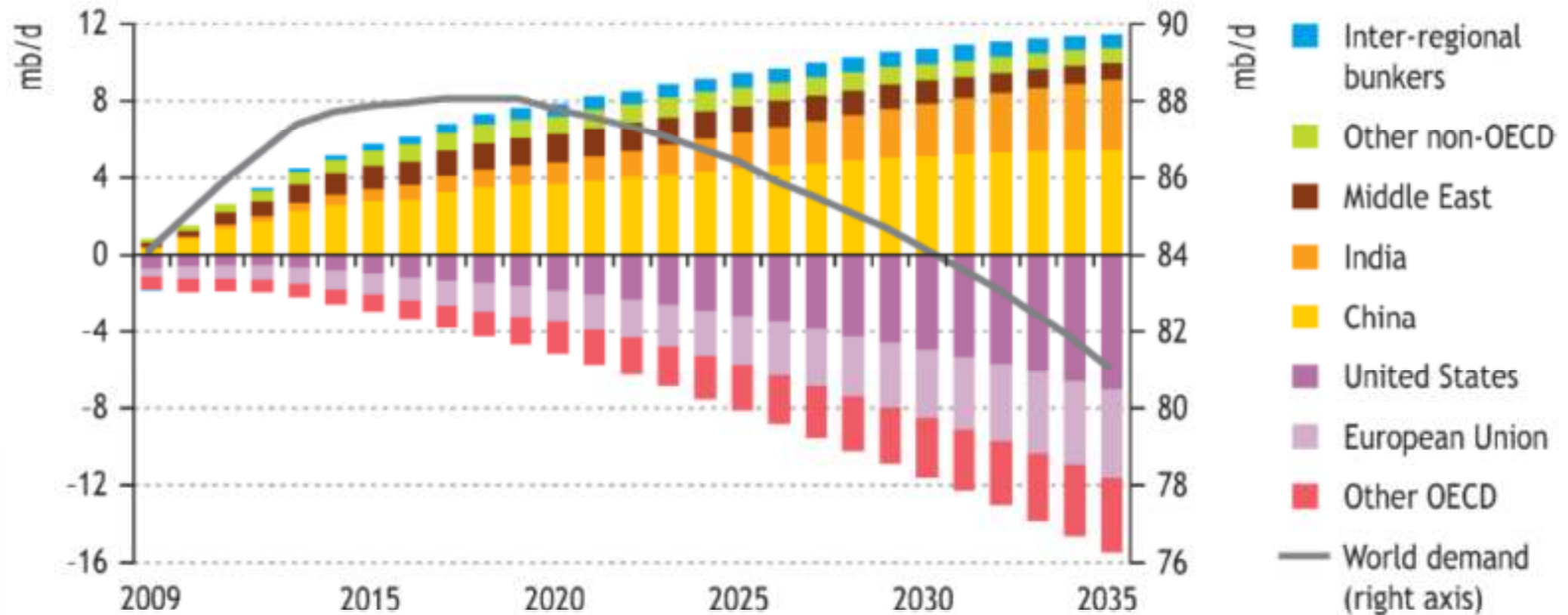
World oil production by type in the New Policies Scenario



Incremental oil production by selected country in the New Policies Scenario, 2009-2035

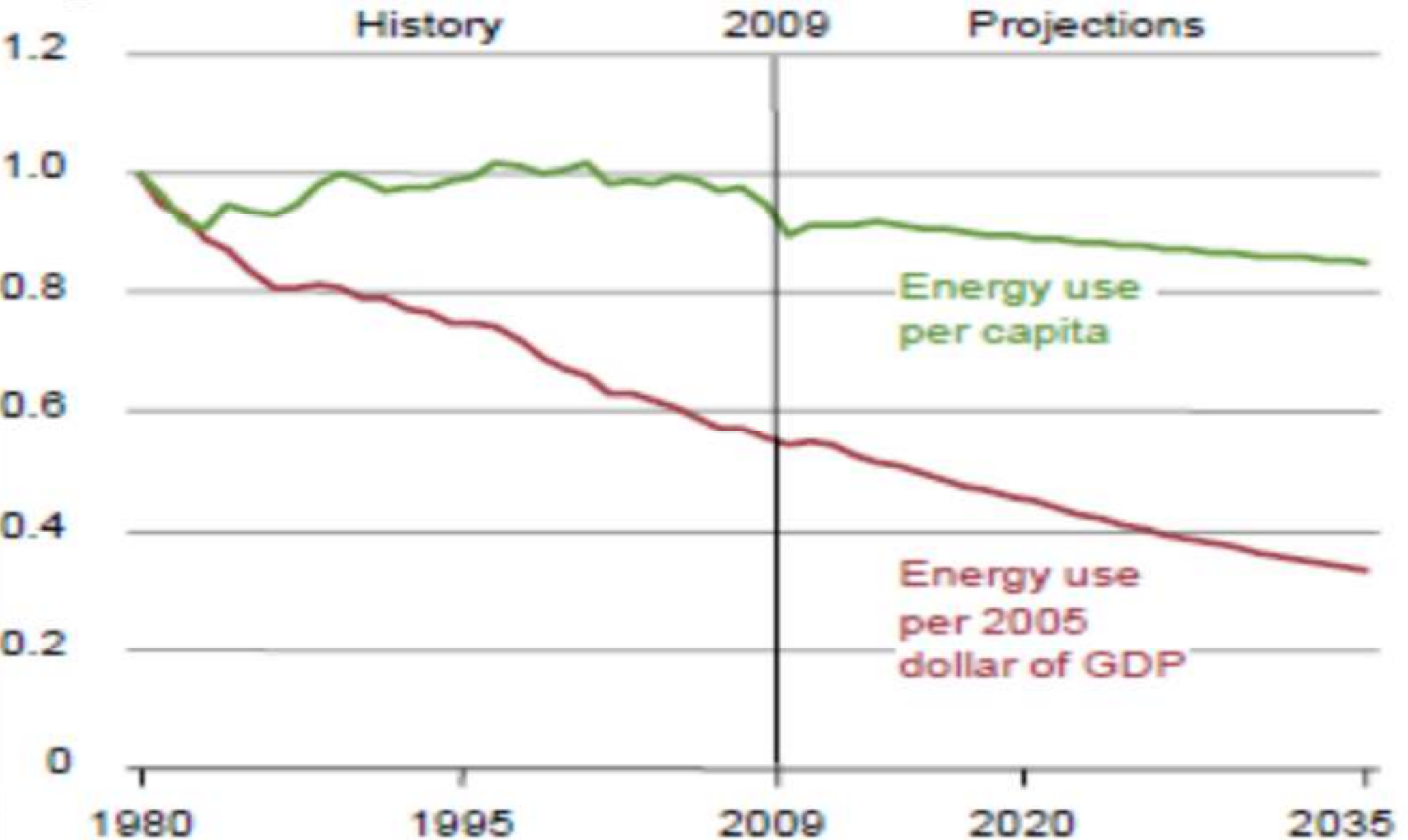


Change in oil demand by region in the 450 Scenario compared with 2008



Oil demand peaks at 88 mb/d before 2020 & falls to 81 mb/d in 2035, with a plunge in OECD demand more than offsetting continuing growth in non-OECD demand

Estimated US Energy Use per Capita and per Dollar GDP

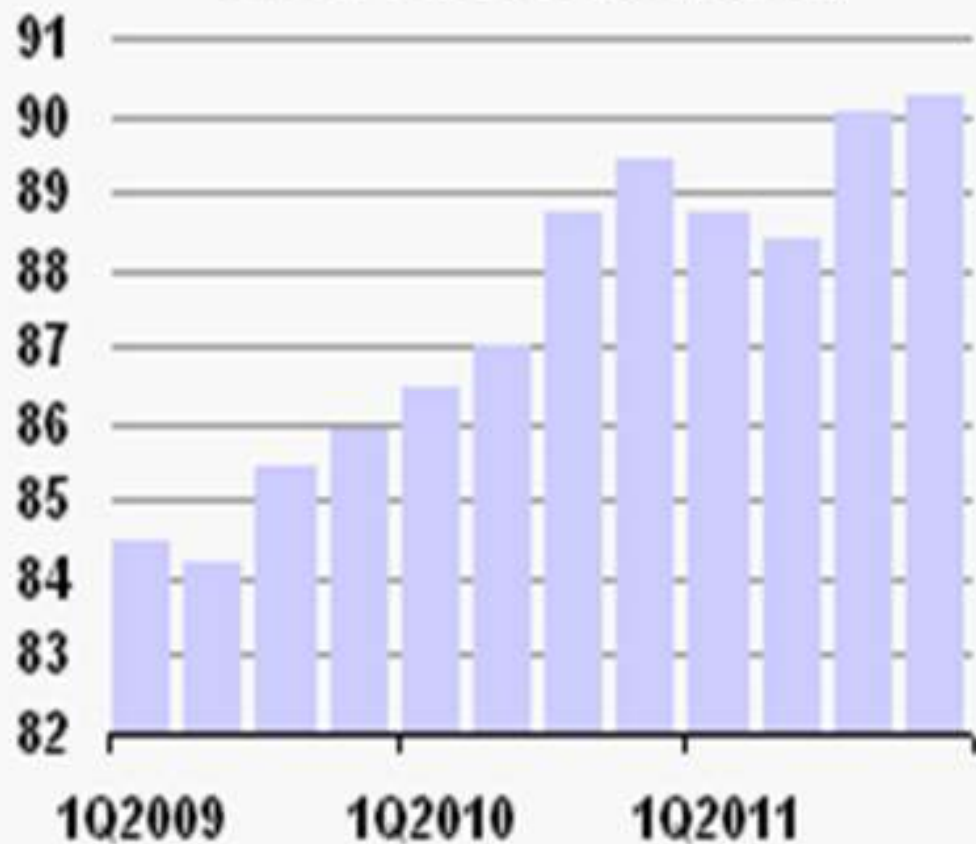




Who's Kidding Who?

What we will Need

World Oil Demand (mb/d)



What we will Have

World Oil Supply (mb/d)

