



CONSTRUCTION LOOKING FORWARD

Labour Requirements from 2009 to 2017
for ALBERTA

PRODUCED BY THE
CONSTRUCTION SECTOR COUNCIL



Key Indicators – US / National

	2007	2008	2009	2010	2011	2012	2013-2017*	2007-2017**
Raw Material Prices								
Agricultural Products \$US Inflation	14.7	12.3	1.9	1.5	1.8	3.1	3.1	3.6
Other Non-Energy Products \$US Inflation	5.7	-3.7	-30.1	1.5	2.8	7.1	3.9	-0.3
WTI Oil Price (@ Cushing) \$US/BBL	72.3	101.0	45.0	55.0	75.0	90.0	122.9	98.1
Henry Hub Gas Price \$US/MMBTU	6.9	9.0	5.8	6.5	6.5	6.9	8.1	7.5
United States								
Real GDP Growth (%)	2.0	1.2	-1.6	3.2	4.5	3.2	2.2	2.2
Canada								
Real GDP Growth (%)	2.7	0.5	-0.4	2.9	2.4	2.7	2.4	2.5
GDP Deflator Inflation (%)	3.1	2.9	-1.4	1.2	2.1	3.0	2.6	2.1
3 Month Treasury Bill Rate (%)	4.2	2.6	1.0	2.9	3.3	4.2	5.5	4.2
Exchange Rate \$US	0.93	0.96	0.85	0.87	0.88	0.88	0.89	0.89

*Growth rates are averages for the period, while levels are 2017 values

**Forecast period average

Source: Statistics Canada and the CSC





Key Indicators – Alberta

Alberta (Growth Rates)	2007	2008 e	2009f	2010f	2011f	2012f	2013- 17f*	2008- 2017f**
Real GDP	3.1	0.3	-0.6	1.3	2.2	2.7	2.8	2.0
Consumer Exp.	6.5	6.0	2.2	1.3	1.5	2.0	3.0	2.8
Government Consumption Exp.	6.6	3.3	2.8	2.2	1.9	2.0	3.0	2.7
Government Investment Exp.	28.9	4.1	7.4	2.3	-11.5	-9.4	4.4	1.5
Business Investment Exp.	-0.5	-6.8	-8.3	-1.9	-0.4	-1.1	4.0	0.2
Exports	2.7	0.7	-0.3	2.6	4.7	4.3	2.6	2.5
Imports	3.6	-0.8	-0.7	1.3	2.0	1.3	3.5	2.1
Population	2.6	2.1	1.7	0.9	0.6	0.8	1.7	1.5
Employment	4.7	2.8	-1.0	-0.1	0.6	1.6	1.3	1.0
Labour Force	4.8	2.8	0.9	0.5	0.3	0.6	1.2	1.1
Unemployment Rate (Level %)	3.5	3.5	5.4	5.9	5.6	4.7	4.1	4.6
CPI	5.0	3.8	1.7	2.8	2.3	3.0	2.6	2.7
Labour Income Per Hour (\$)	5.1	5.9	2.7	2.0	2.3	3.7	4.9	4.1

*Growth rates are averages for the period, while levels are 2017 values

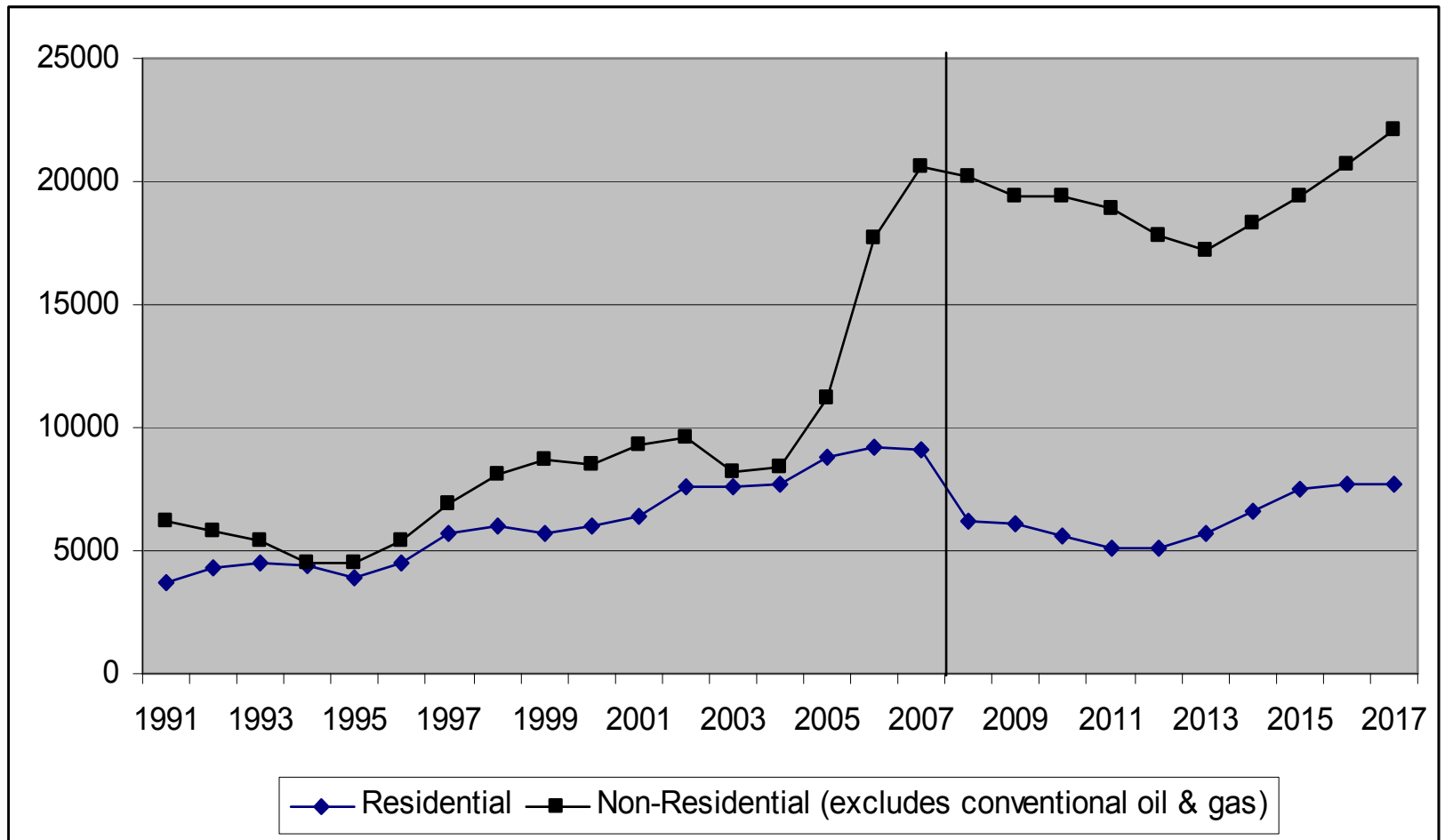
**Forecast period average

Source: Statistics Canada and the CSC



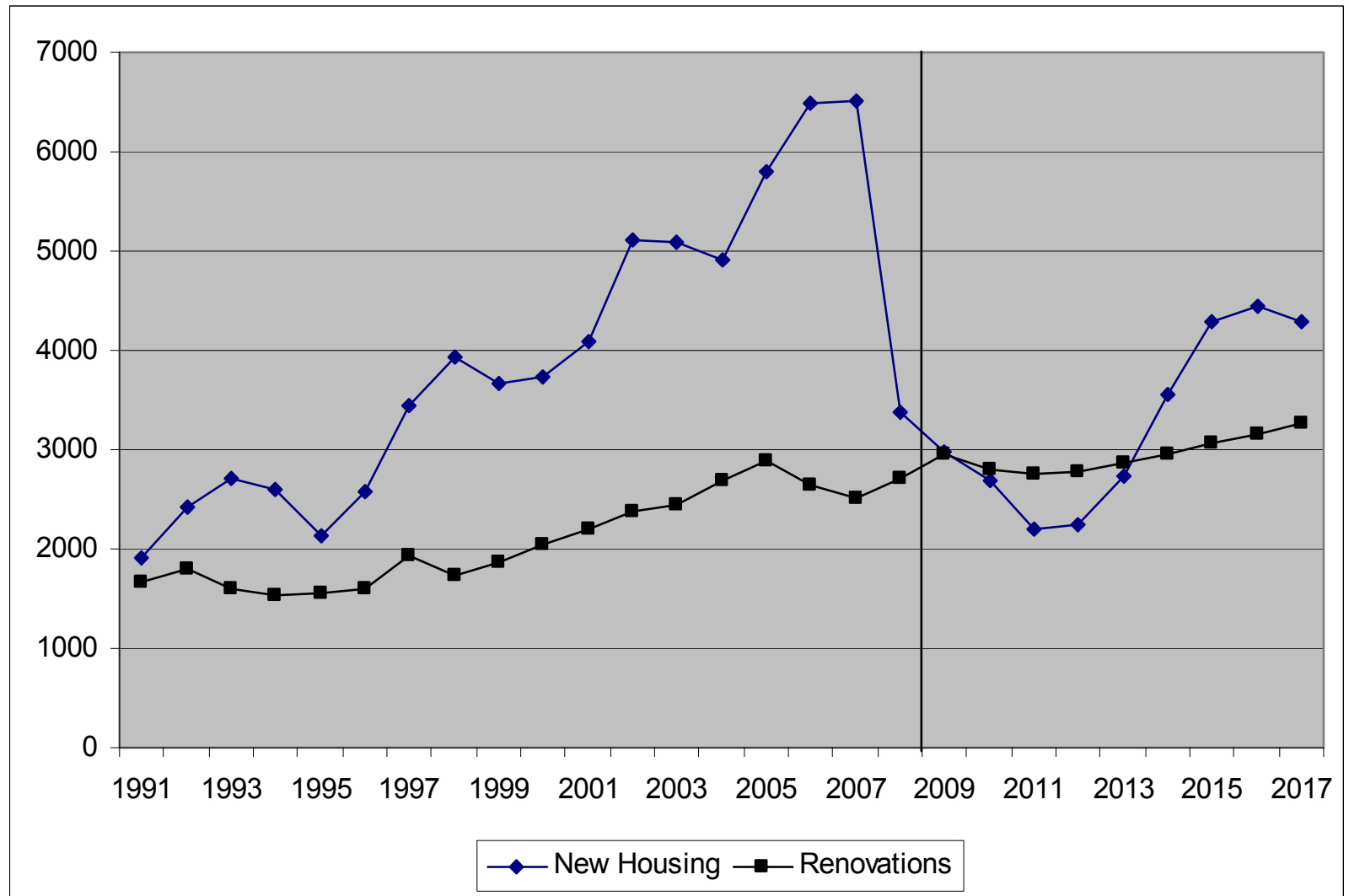


Construction Investment (\$2002 Millions)



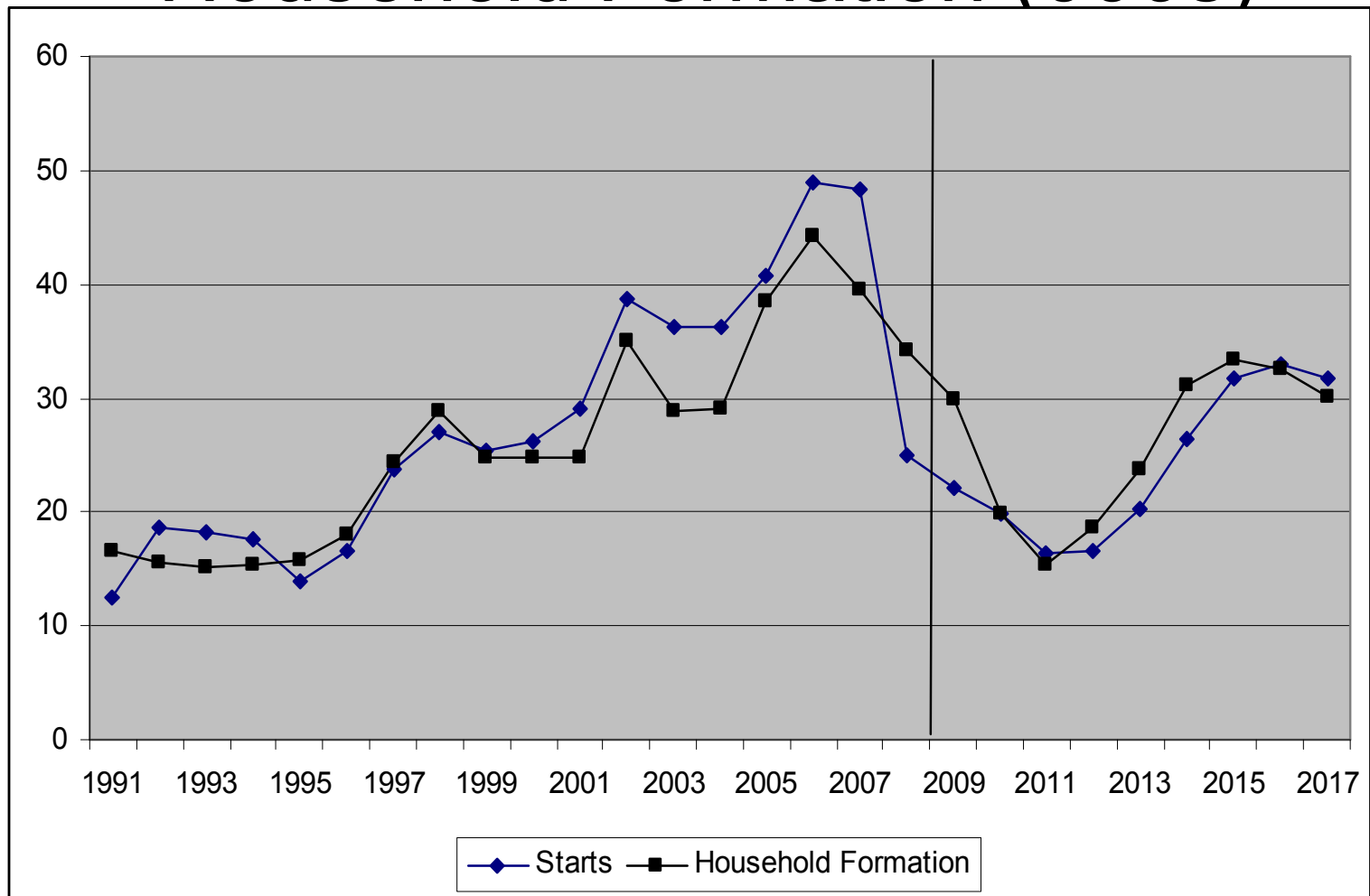


Residential (\$2002 Millions)



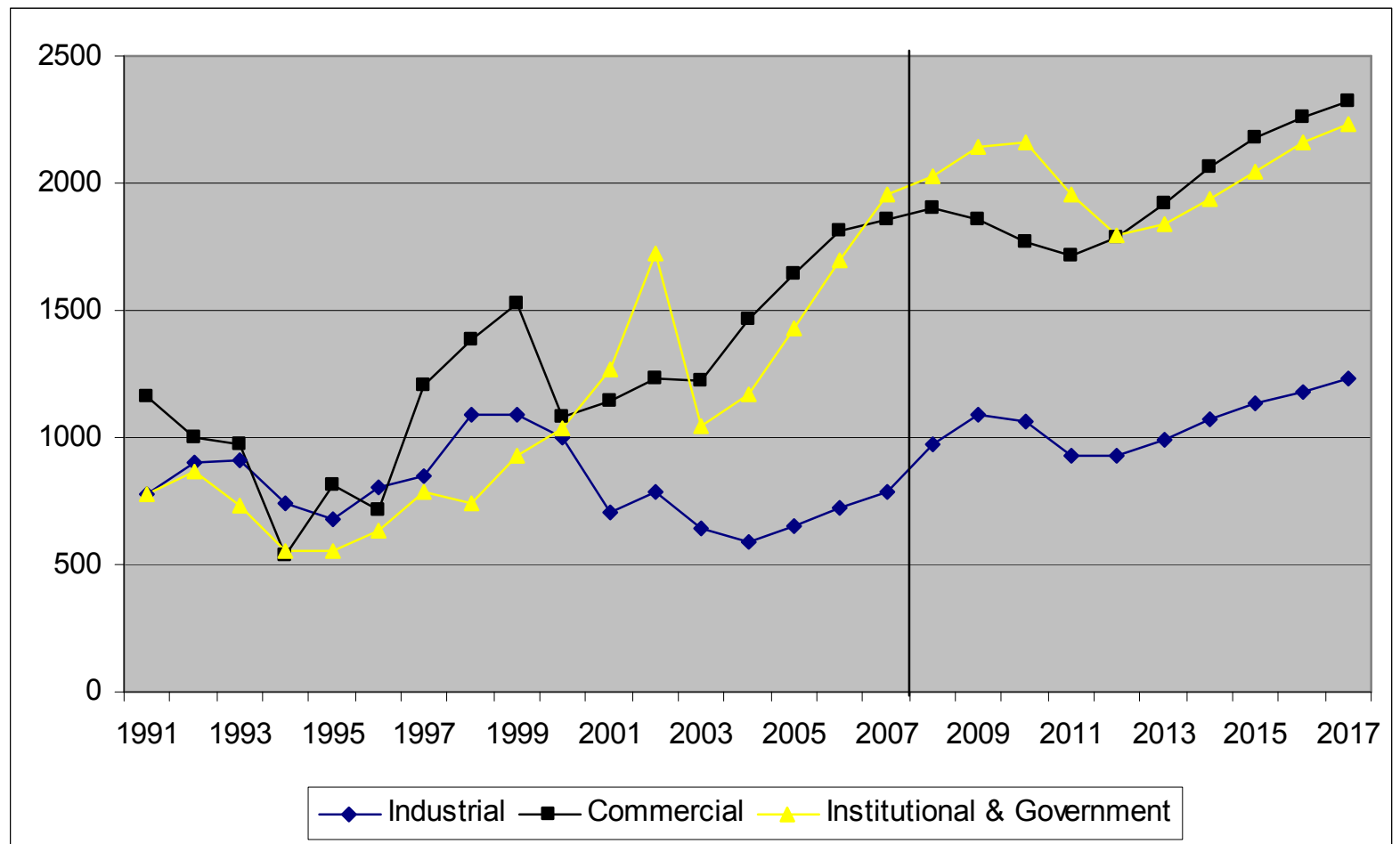


Housing Starts and Household Formation (000s)



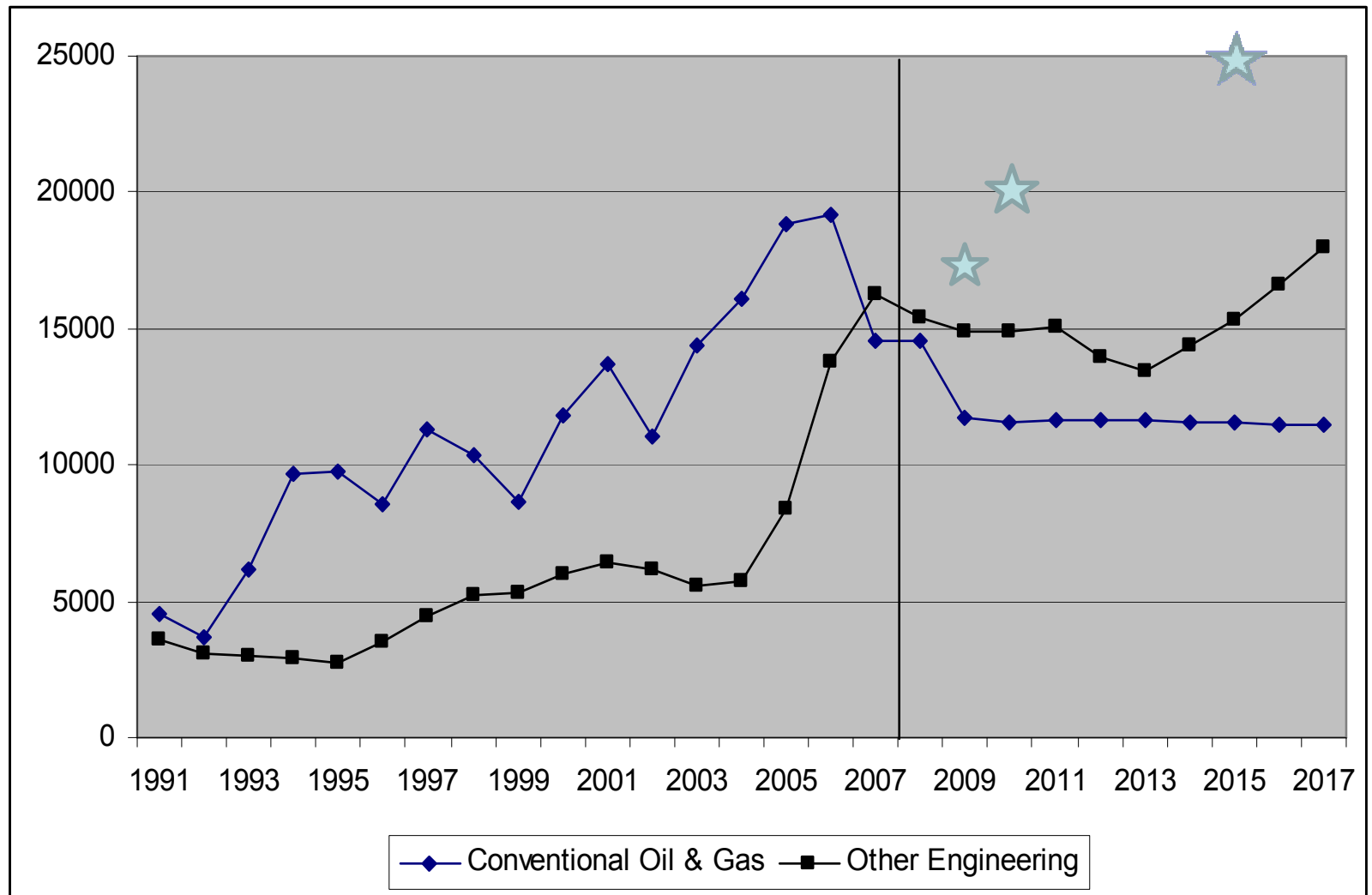


Building Construction (\$2002 Millions)



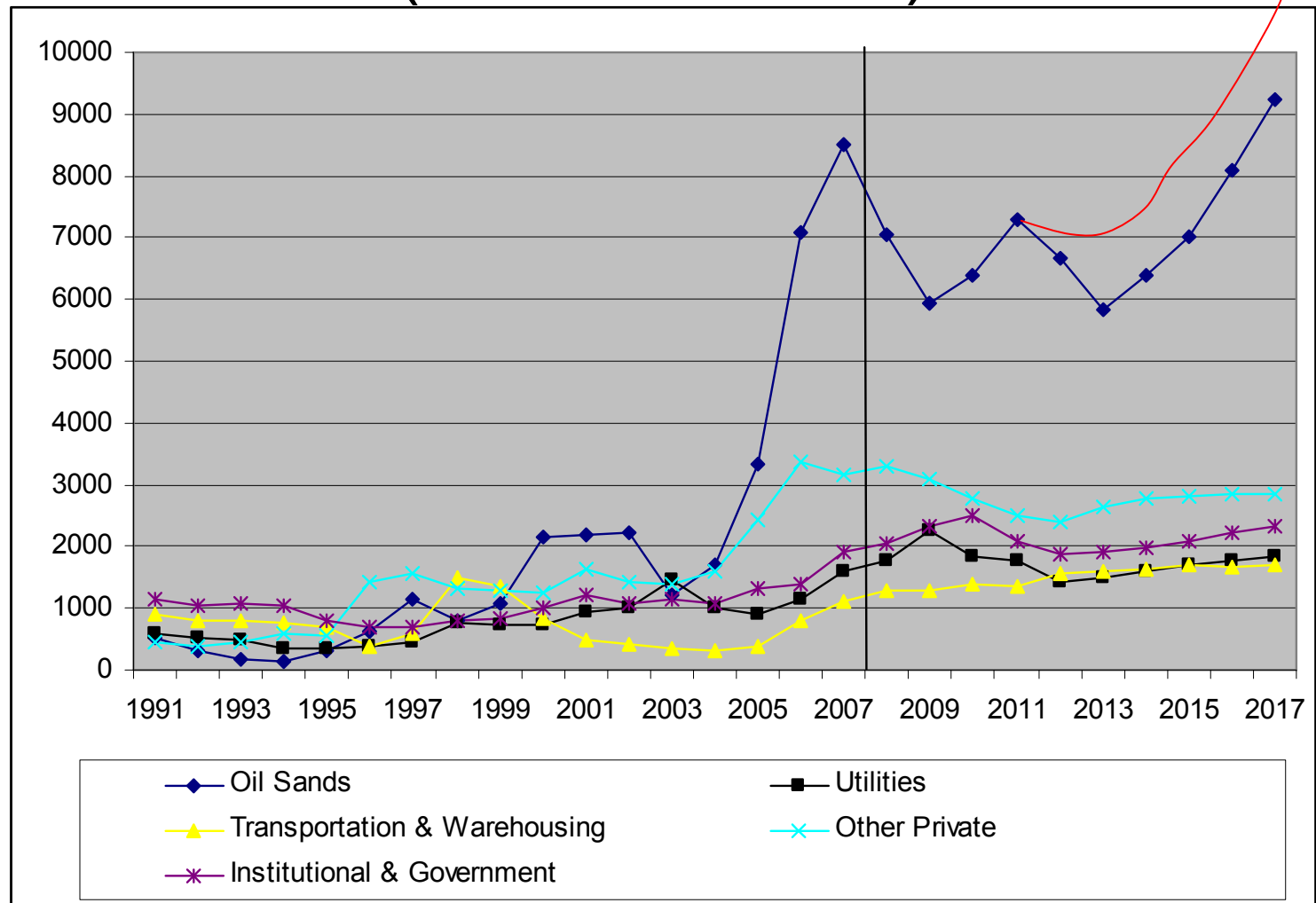


Investment in Conventional Oil & Gas Versus Other Engineering Construction



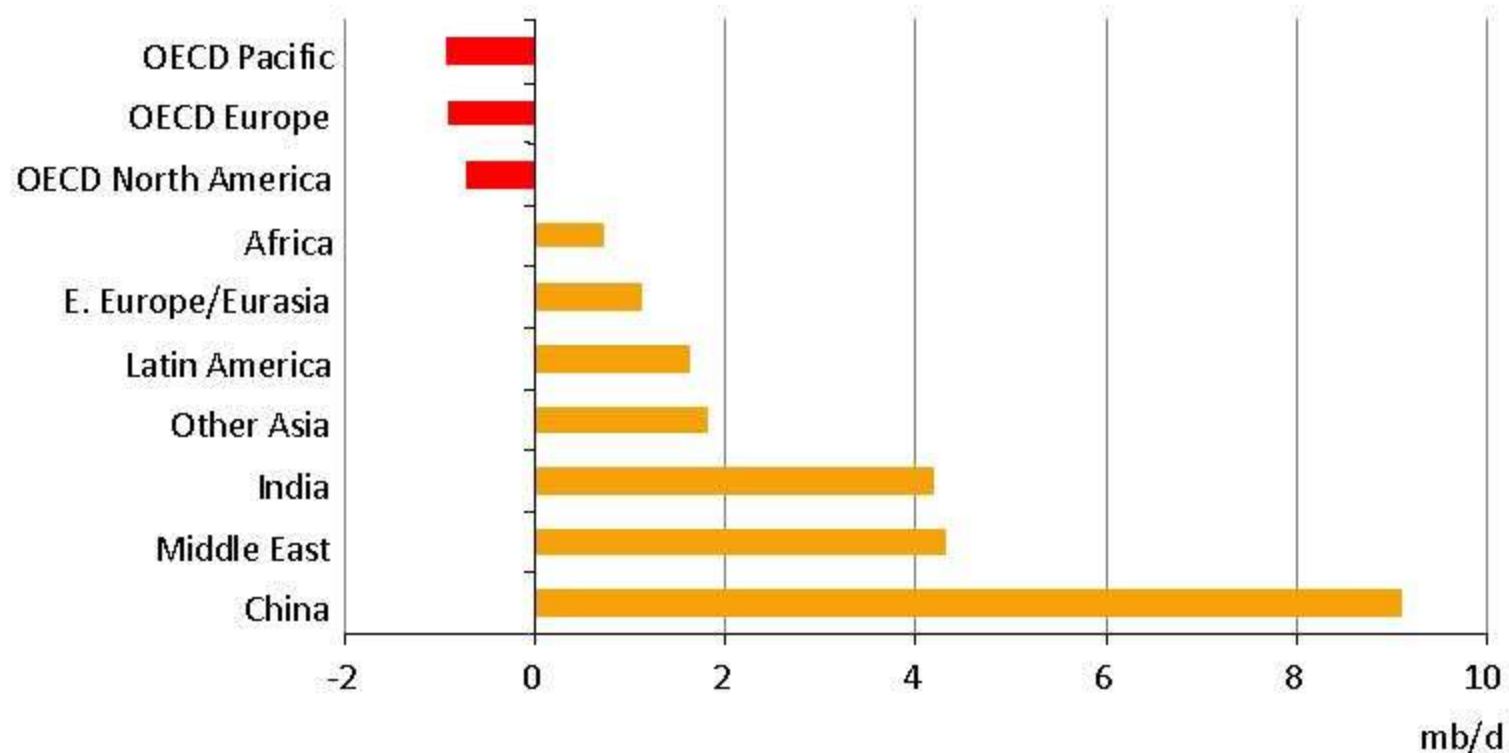


Other Engineering (\$2002 Millions)



Change in oil demand by region in the Reference Scenario, 2007-2030

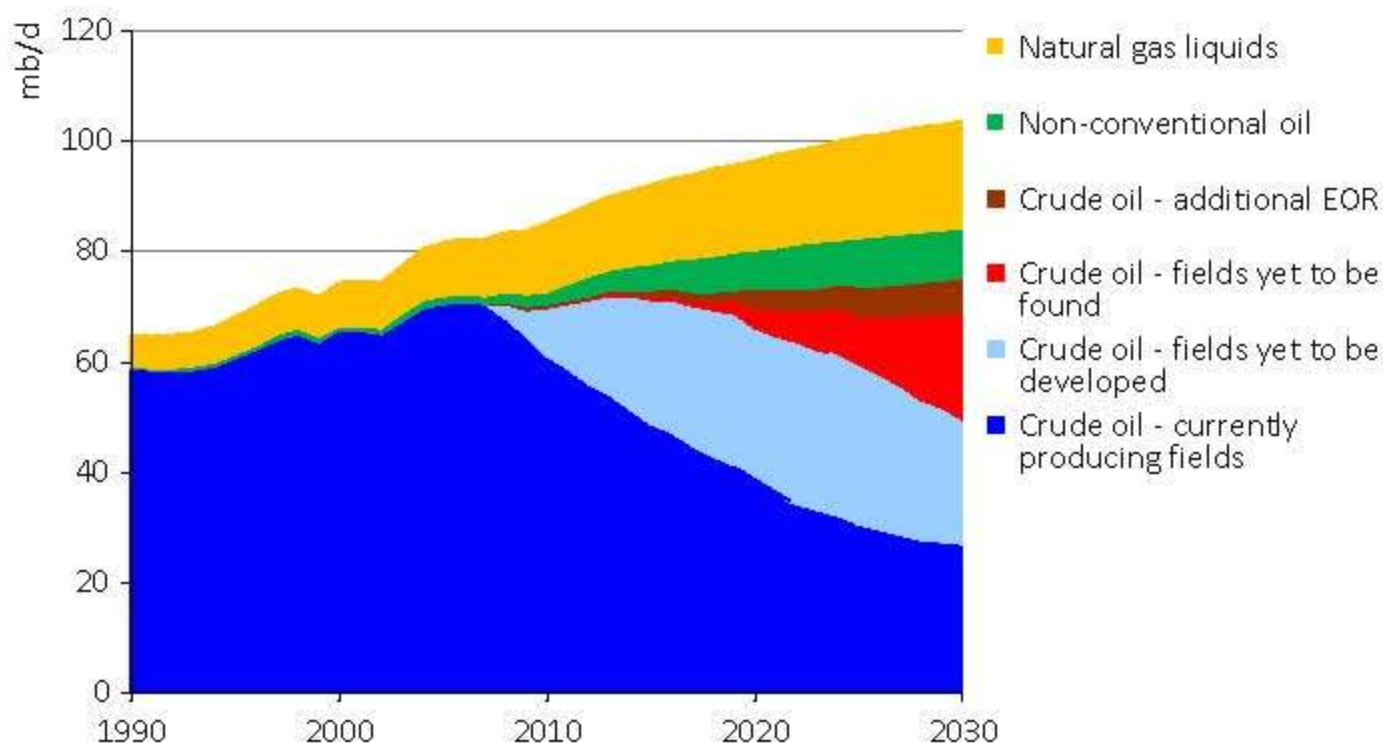
World
Energy
Outlook
2008



All of the growth in global oil demand comes from non-OECD, with China contributing 43%, the Middle East 20% and other emerging Asian economies most of the rest

World oil production in the Reference Scenario

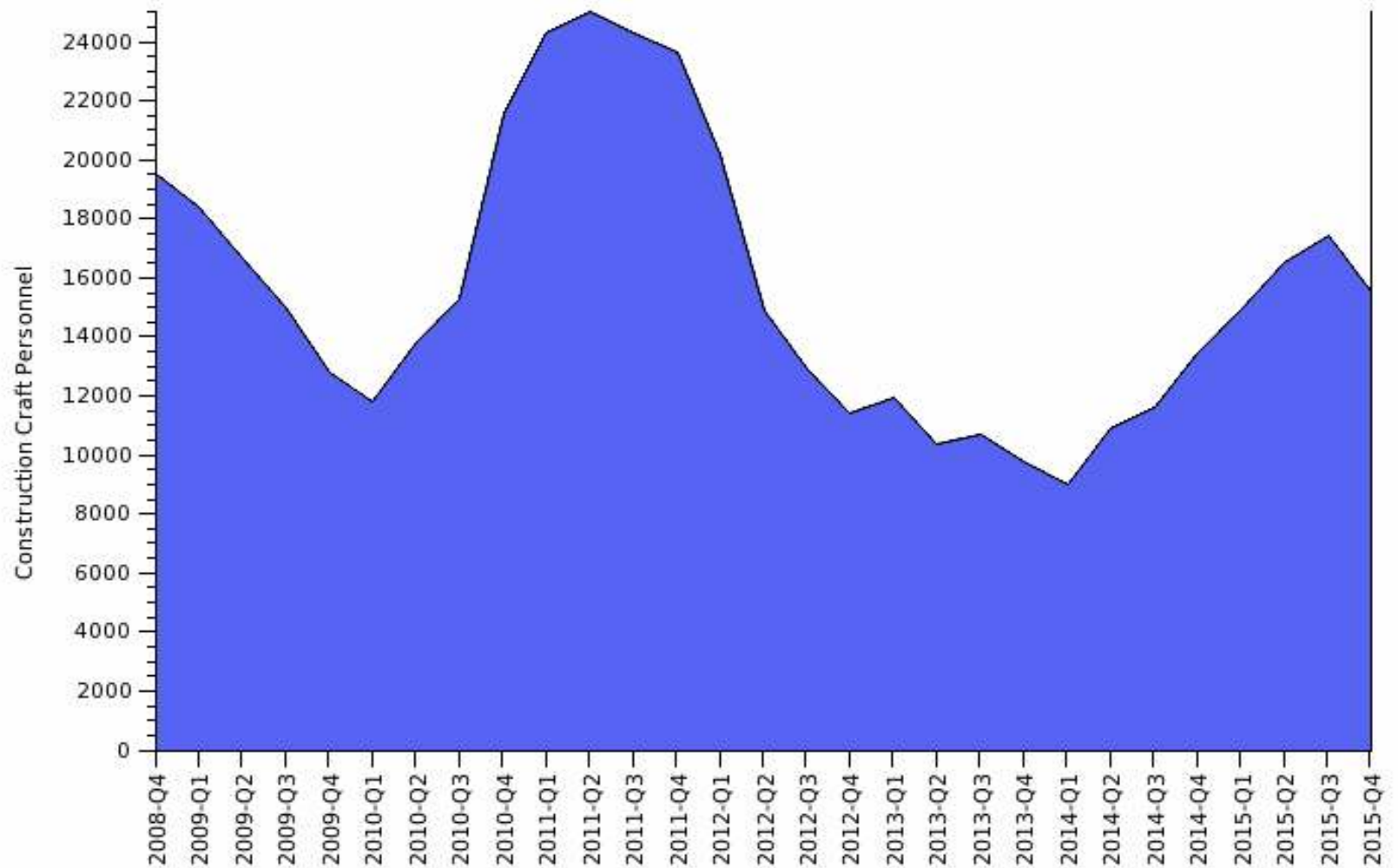
World
Energy
Outlook
2008



Production reaches 104 mb/d in 2030, requiring 64 mb/d of gross capacity additions – six times the current capacity of Saudi Arabia – to meet demand growth & counter decline

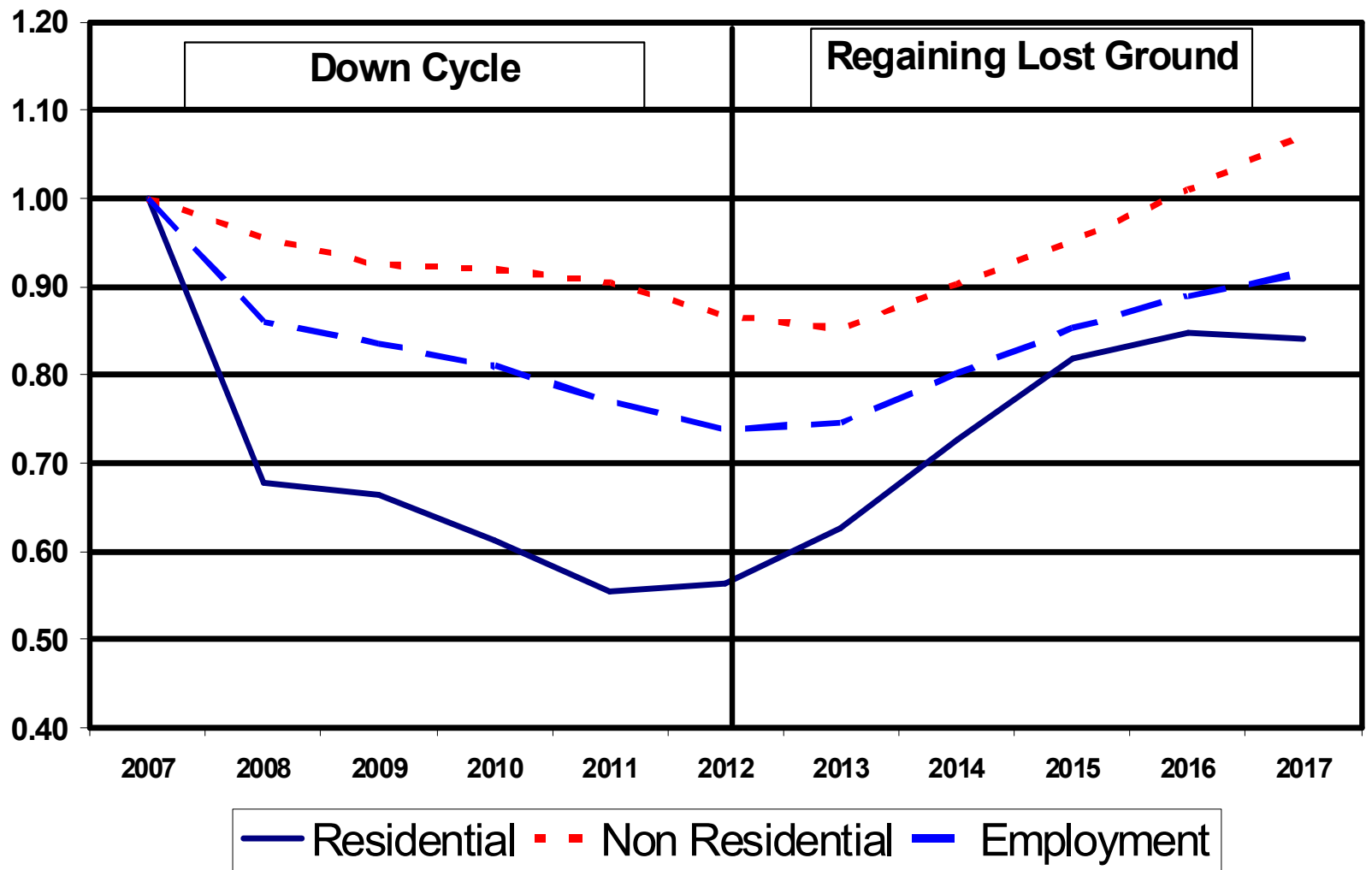


Industrial Construction Projects
>100 MM Cdn (2008Q4 - 2015Q4)
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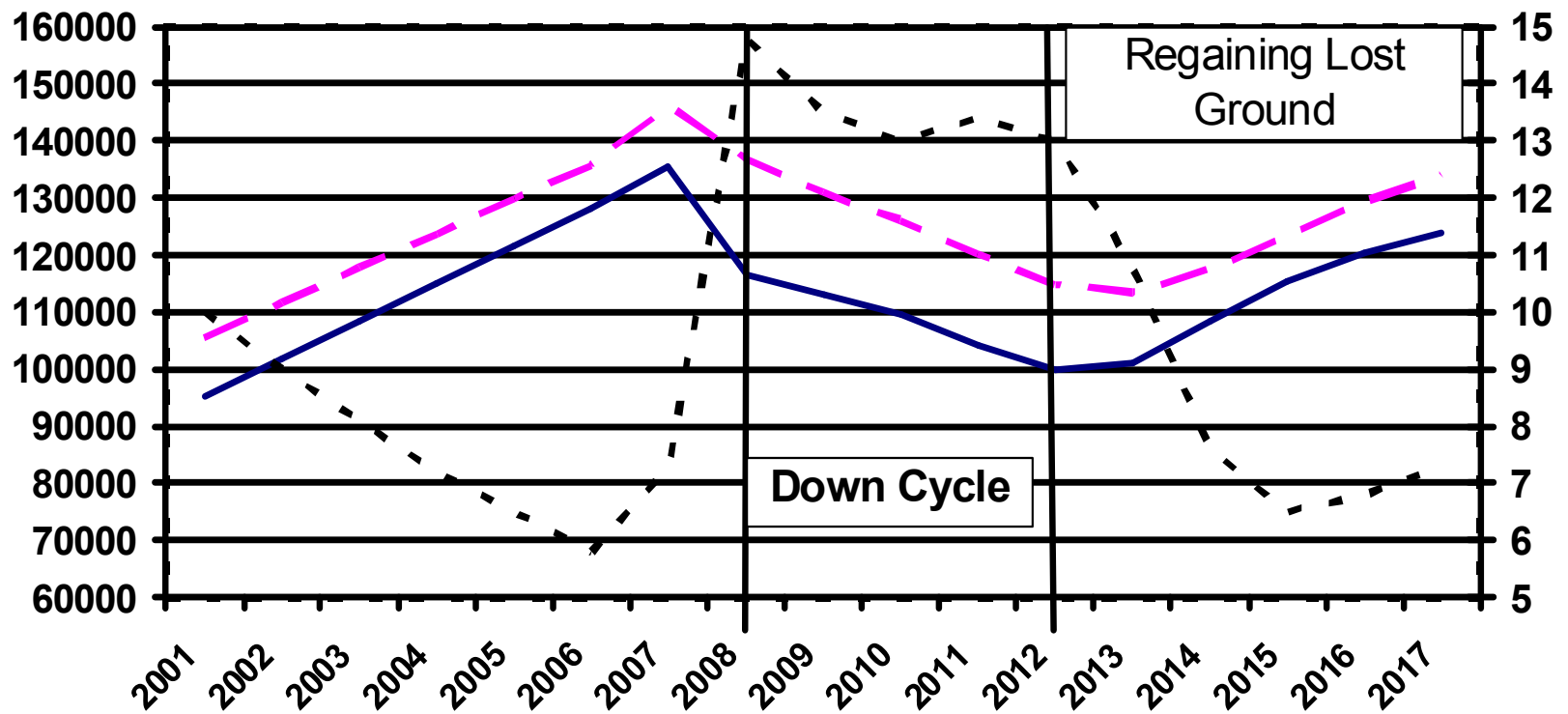


Construction in Alberta, Index 2007=1.00





Construction Labour Market in Alberta



— Employment, Left Scale
- - Labour Force, Left Scale
- - Unemployment Rate., Right Scale





My Last HWAG

As the world emerges from this recession the value of the US\$ will go down. The good news is that should cause oil prices to rise significantly. The bad news is we could see rampant inflation rear its ugly head again.

