

Columbia Willamette Clean Cities Coalition
&
NAFA Fleet Management Association
Present



Alt Fuels Now

At the Portland International Auto Show



Thursday, January 26th, 2011

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Sponsored by

Columbia-Willamette Clean Cities Coalition dues-paying members:

American Strategic Group

Blue Star Gas

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City of Canby

City of Eugene

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City of Hillsboro

City of Longview City Shop

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Portland Community College

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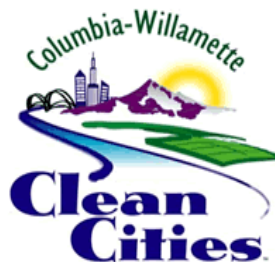
Vista Natural Gas

Washington County Fleet Services

Western Bus Sales, Inc.

Michael D. Miles

Douglas Dunford



Columbia Willamette Clean Cities Coalition

- Public / Private Partnership
- Contributes to the Environmental, Economic, and Energy Security of the US
- Dedicated to the Reduction of Petroleum Consumption
- Advance the use of: Alternative Fuels & Vehicles, Idle Reduction & Hybrids
- Over 90 Coalitions in the US





Mission Statement

The mission of Columbia-Willamette Clean Cities is to promote the use of domestically produced alternative transportation fuels. This primary focus reduces our dependence on foreign oil and simultaneously improves air quality

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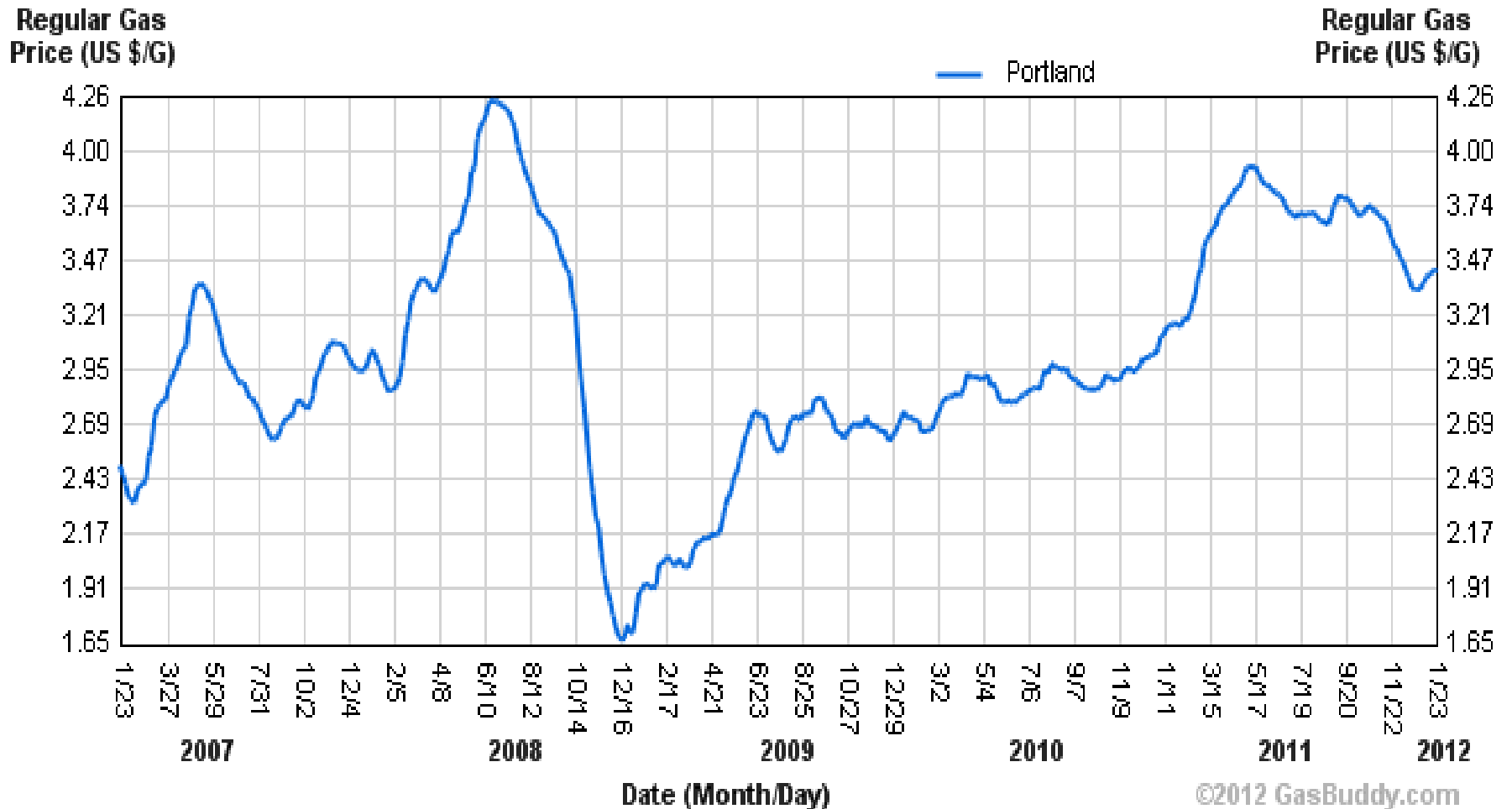
Gas is Going Up Again

- Former Shell Oil President John Hofmeister predicted that gasoline prices will reach as high as \$5 per gallon by 2012
- Goldman Sachs sees oil prices hitting the \$113 in 2nd qtr.
- Analysts at JPMorgan Chase forecast that oil prices would surge to more than \$120 barrel before the end of 2012.



Gas Prices Highest for This Time of Year Ever

60 Month Average Retail Price Chart





Predictions for 2012

- 2011 highest avg. price ever at \$3.56 (US)
- Over past 7 yrs gas prices rise an avg. of \$.93/gal from yr start to yr peak.
- National avg. will be well over \$4.25/gal
- Since 2010 West Coast prices avg. \$17.7 higher
- Add 40 to 50 cents/gal for diesel

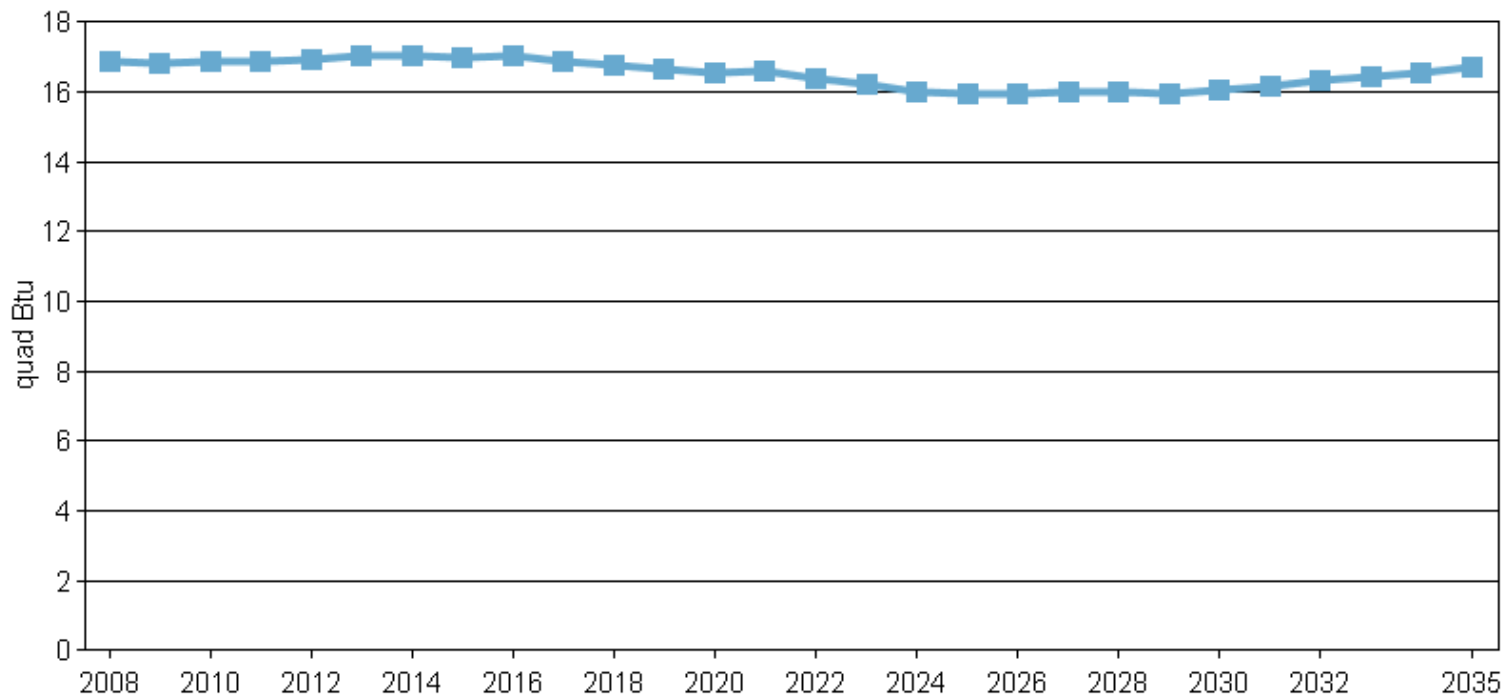


If Hormuz is Closed Prices will Climb



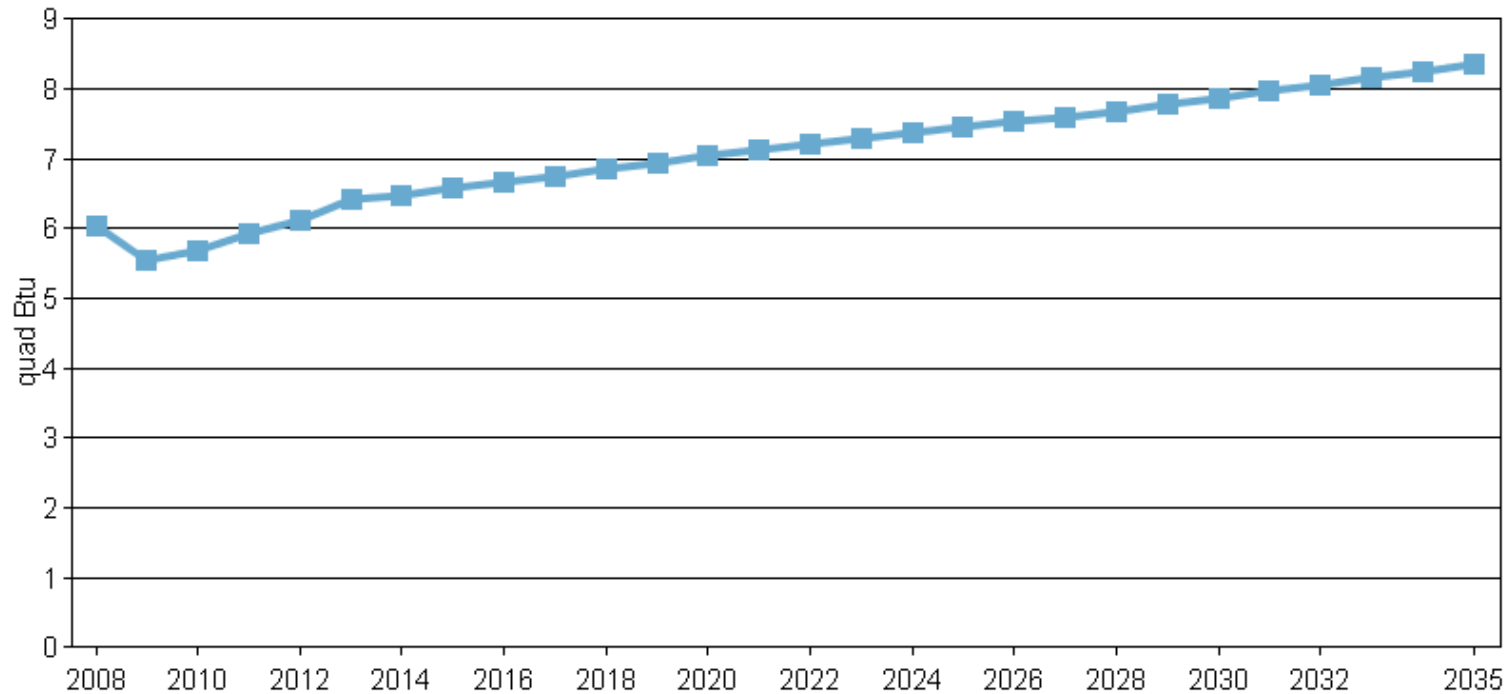
US Gasoline Demand Forecast

Energy Use : Transportation: Motor Gasoline: United States: Reference case



US Diesel Demand Forecast

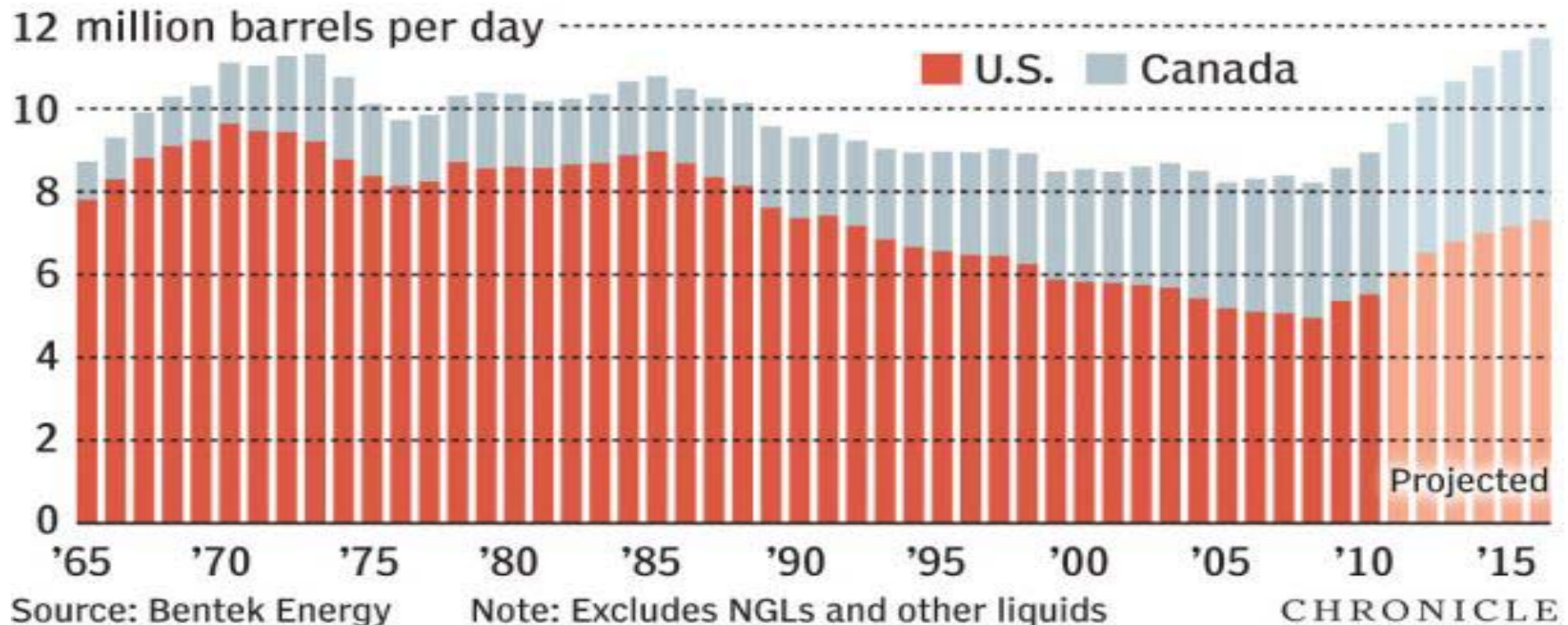
Energy Use : Transportation: Distillate Fuel Oil: United States: Reference case



N. American Oil Production Forecast

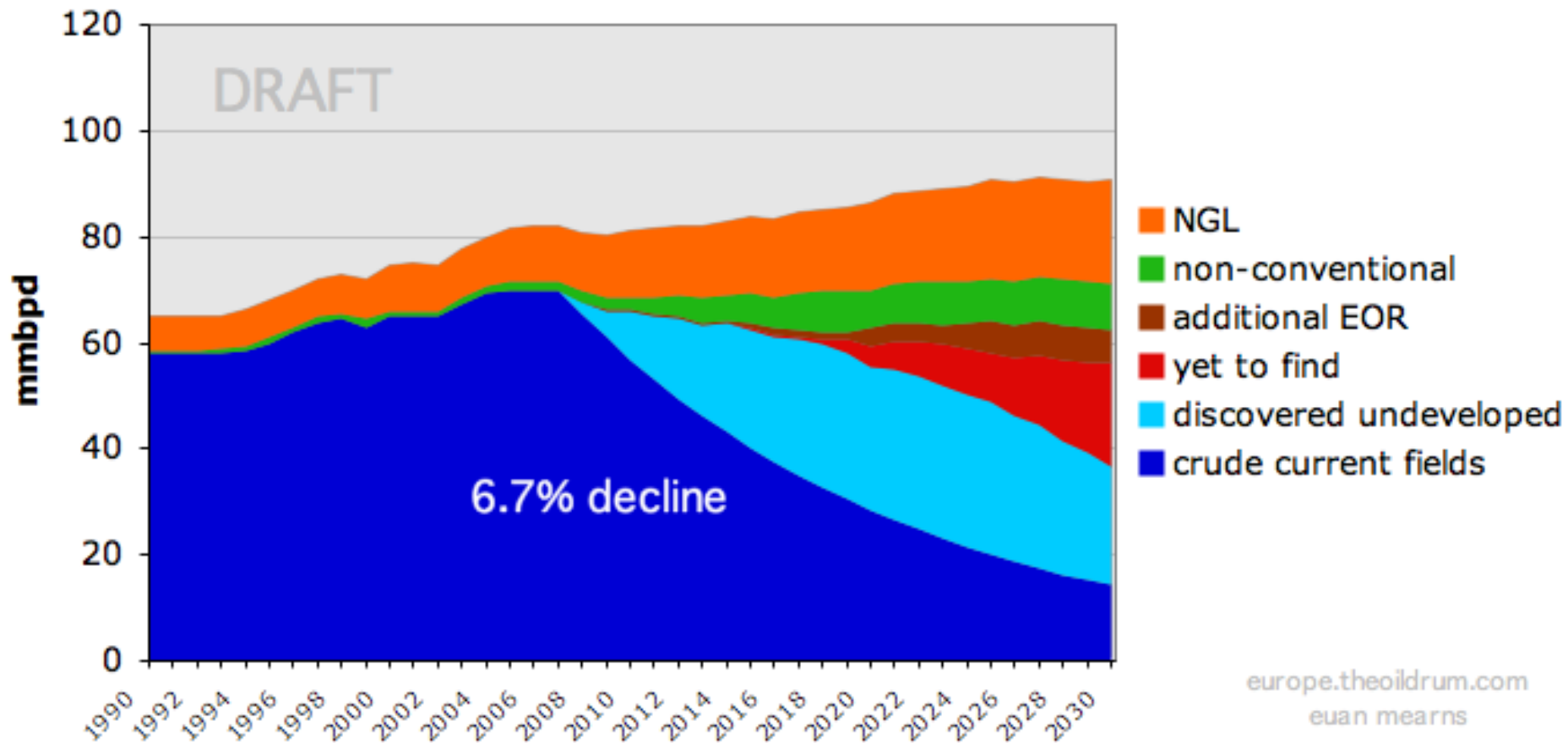
PRODUCTION BOOM

Combined U.S. and Canadian oil production could reach record-breaking highs by 2016 as output grows in unconventional projects such as the Alberta oil sands and U.S. oil shales, according to Bentek Energy.

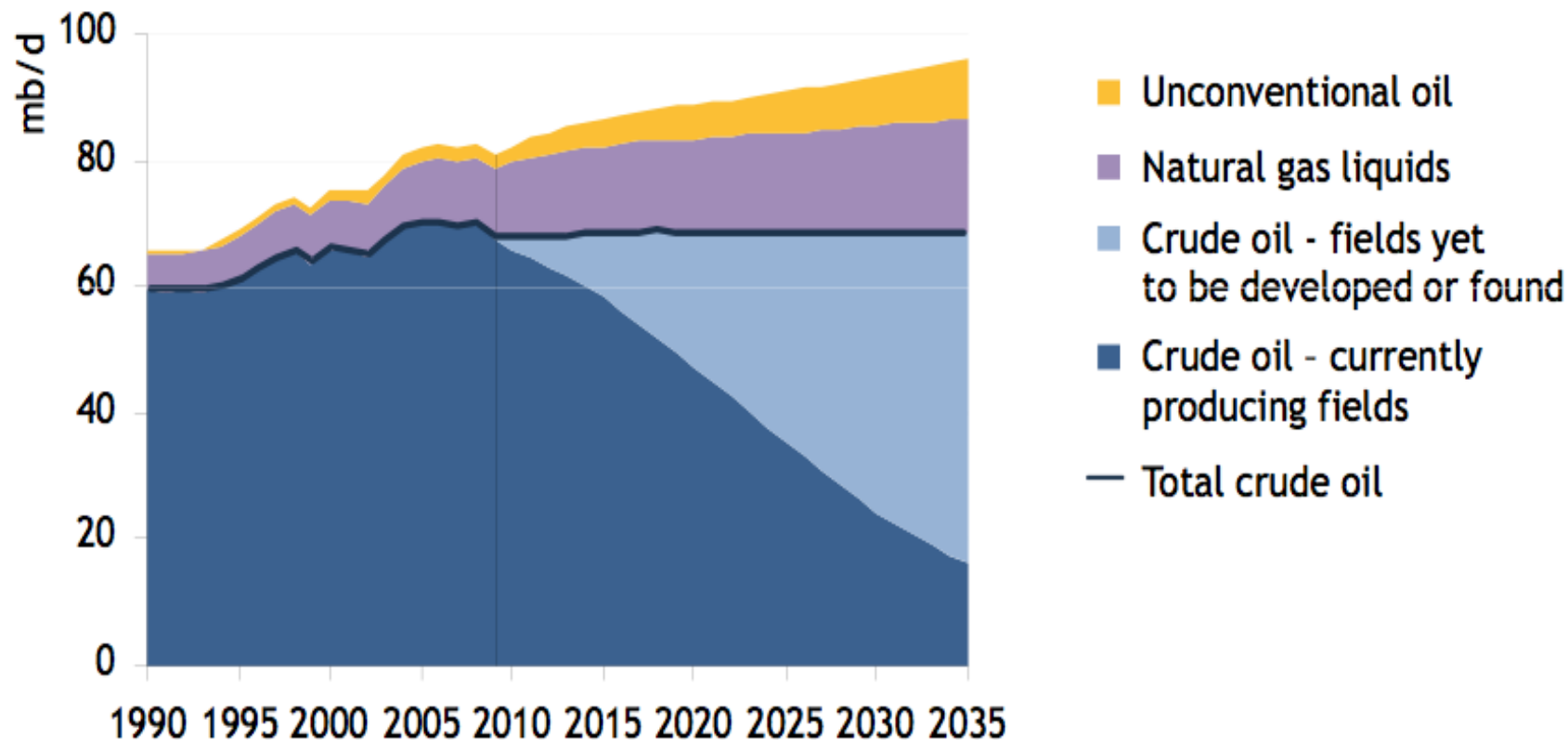


Petroleum Price & Supply is in for a Volatile Future

**IEA liquids production model with 6.7% decline on
current fields**



World oil production by type in the New Policies Scenario



Global oil production reaches 96 mb/d in 2035 on the back of rising output of natural gas liquids & unconventional oil, as crude oil production plateaus

Other Factors to Consider

- High demand causes strains on supply
- Tight supply causes prices to increase
- Price increases causes our economy to stall
- In Oregon nearly all of the money spent on oil products leaves the state, over \$7.8 billion in 2011 on gasoline alone.
- High reliance on imported oil has national security ramifications
- Petroleum is a high emitter of GHG

