



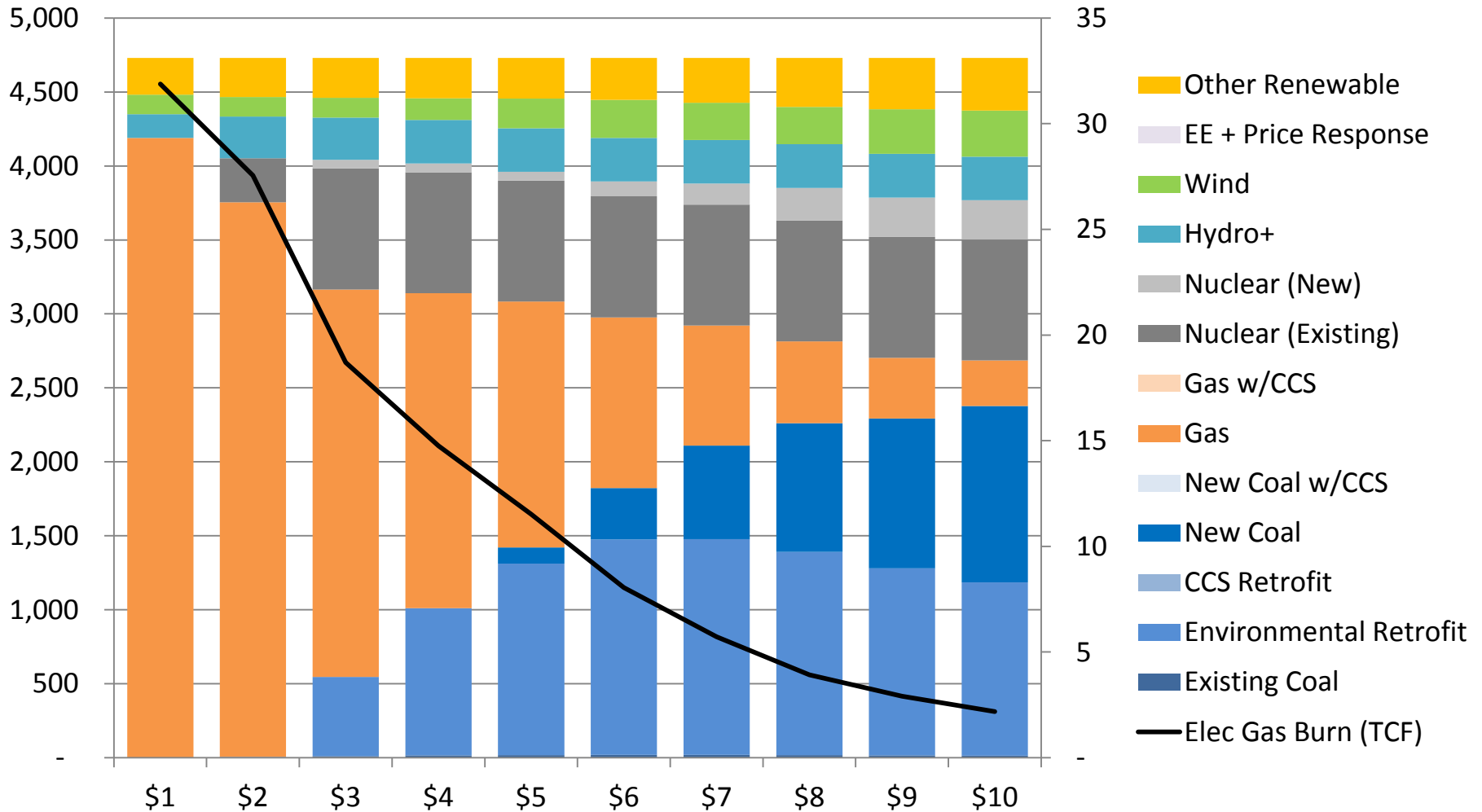
# Key Technology Opportunities and Challenges: Abundant Natural Gas

Victor Niemeyer, EPRI  
Moderator

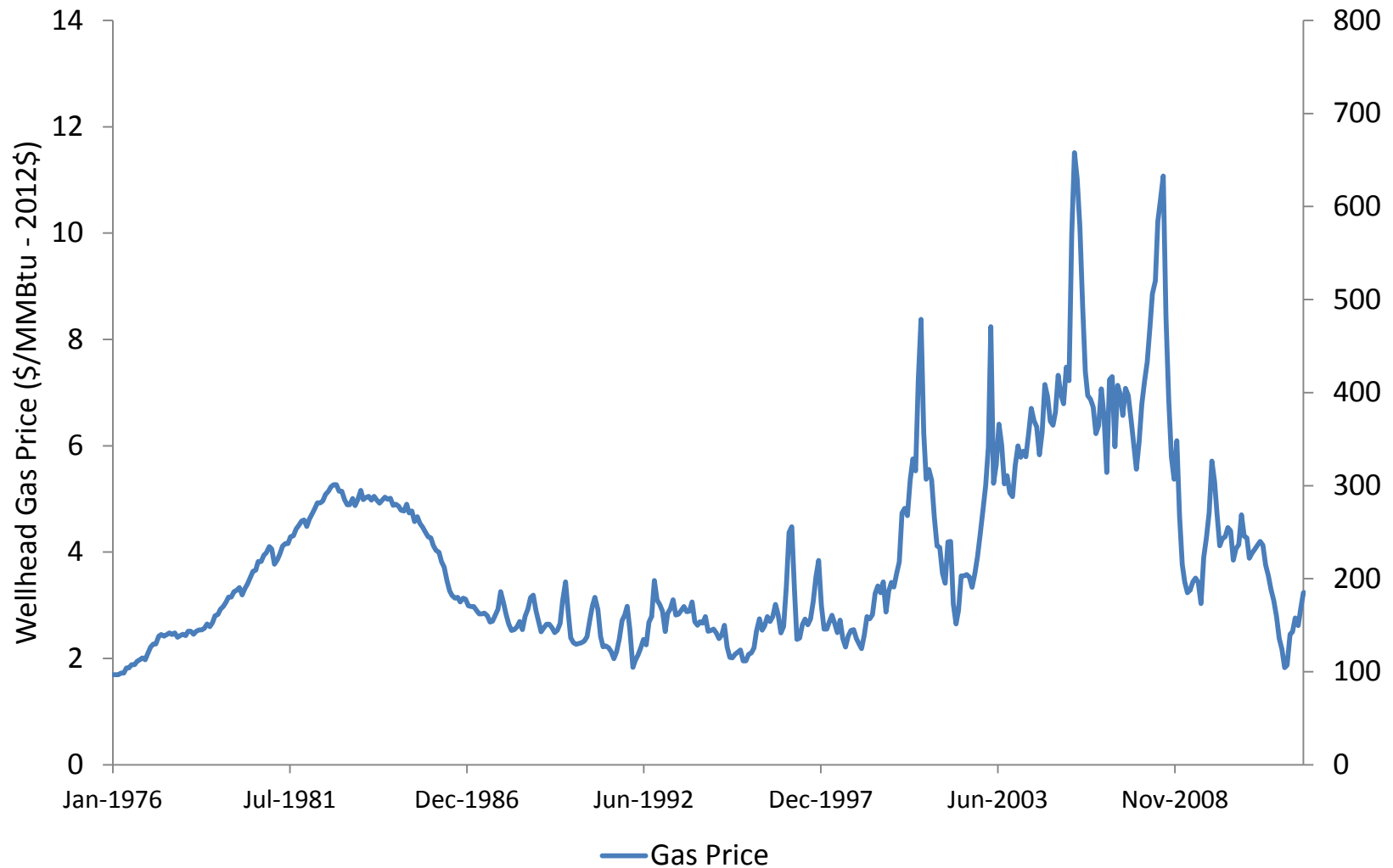
18<sup>th</sup> Annual Energy and Climate Change Research Seminar  
May 21, 2013

# Thought Experiment: 2030 Electric Sector Response to Alternative Sustained Gas Prices

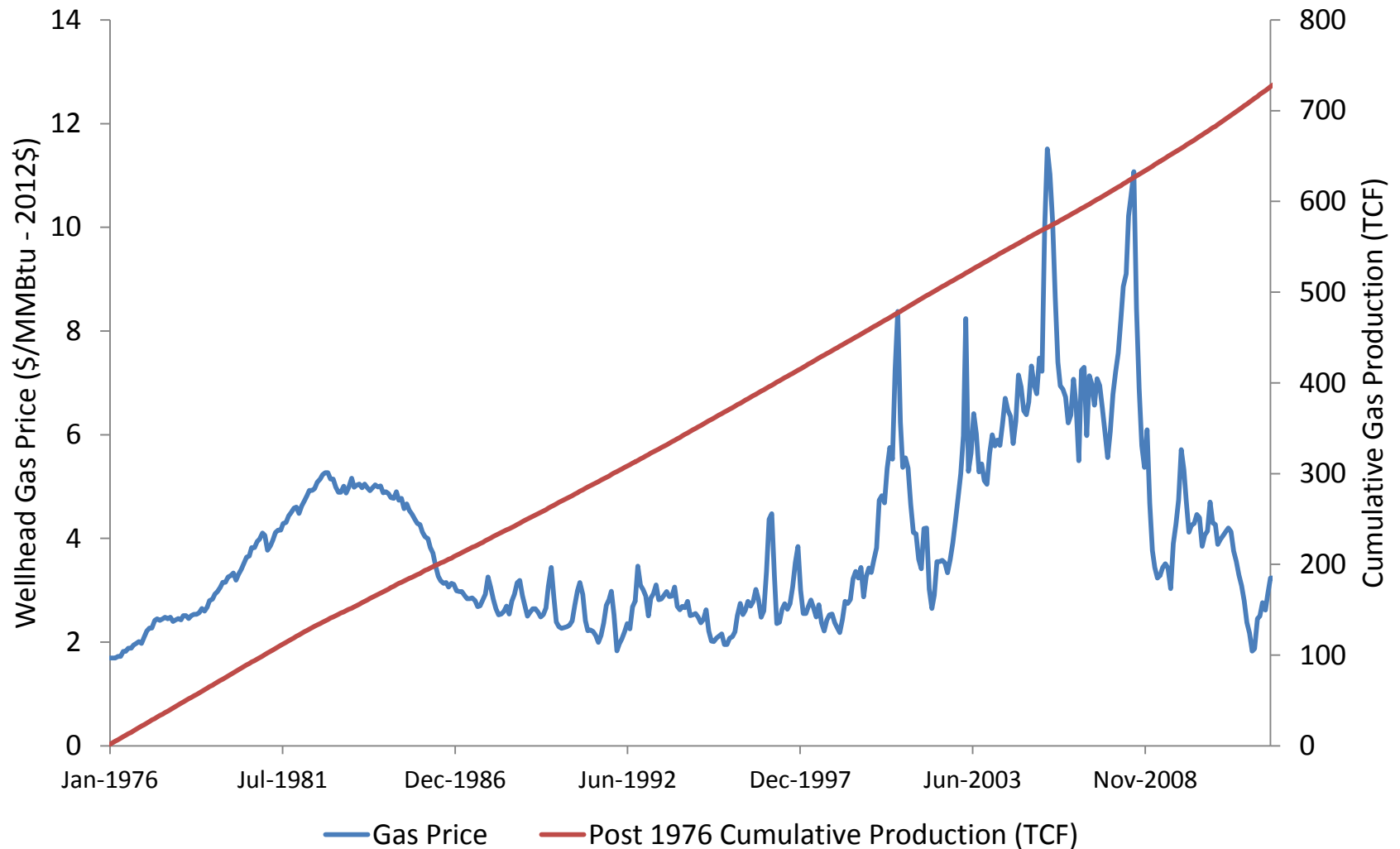
Year 2030 TWh by Gas Price



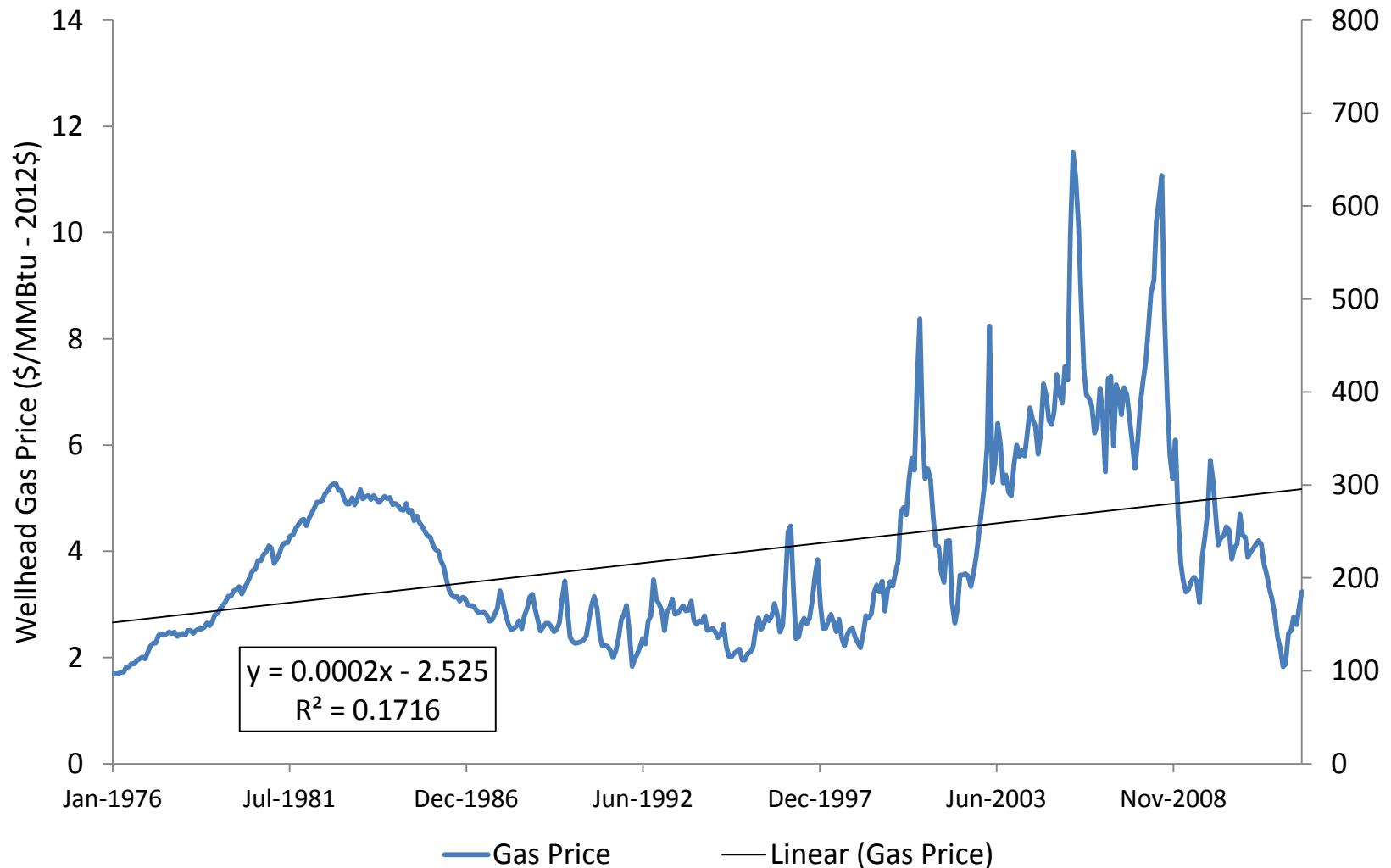
# U.S. Wellhead Price History: Lots of Noise



# 728 TCF of Cumulative Production Since 1976

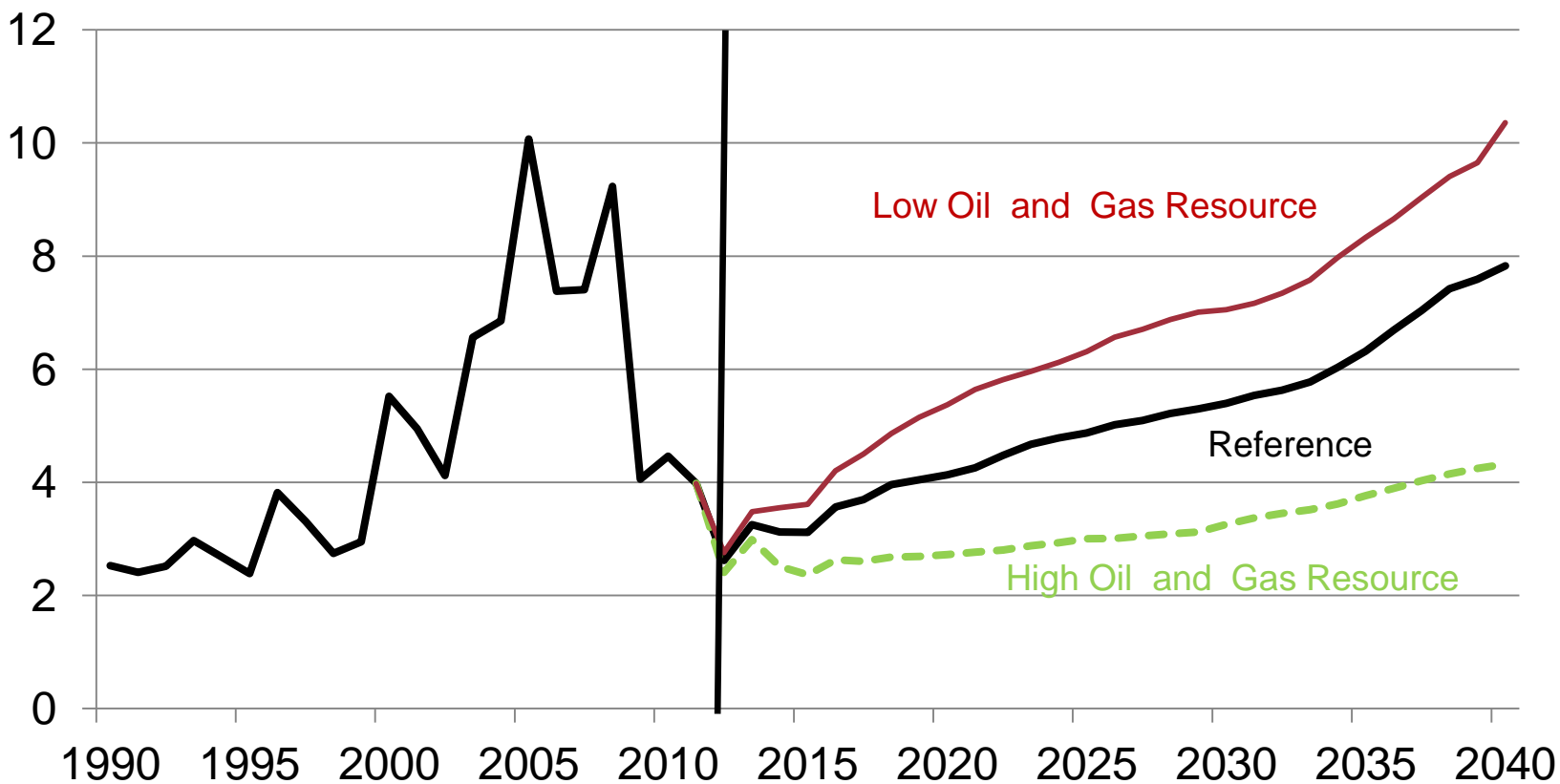


# No Clear Trend in Wellhead Prices (7¢ per year)



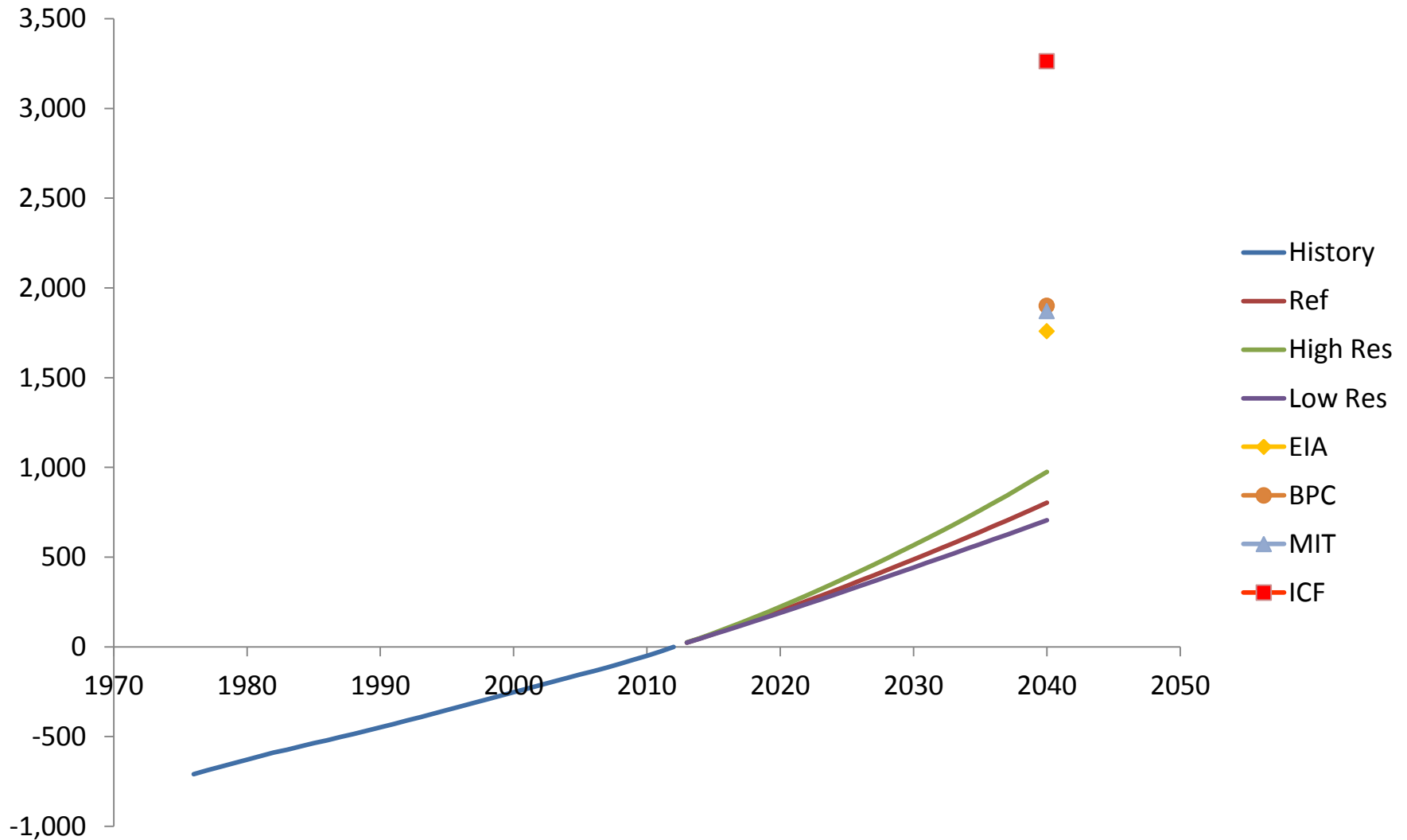
# Annual Average Henry Hub Spot Prices for Natural Gas in Alternative Cases

2011 dollars per million btu



Source: EIA, Annual Energy Outlook 2013

# Past and Projected Cumulative Production



# Together...Shaping the Future of Electricity