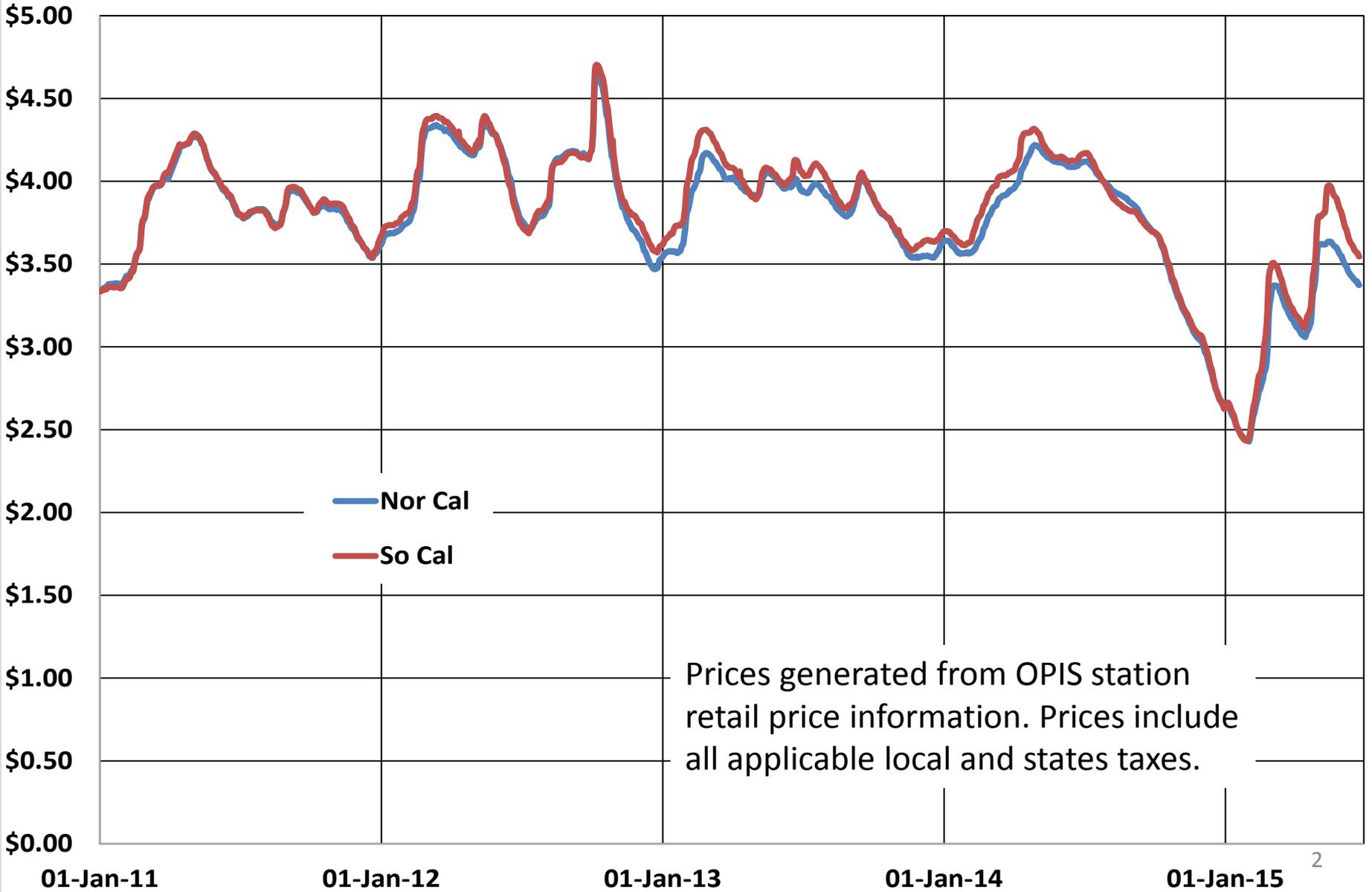


# **Data on California Gasoline Price Margins**

**6 July 2015**

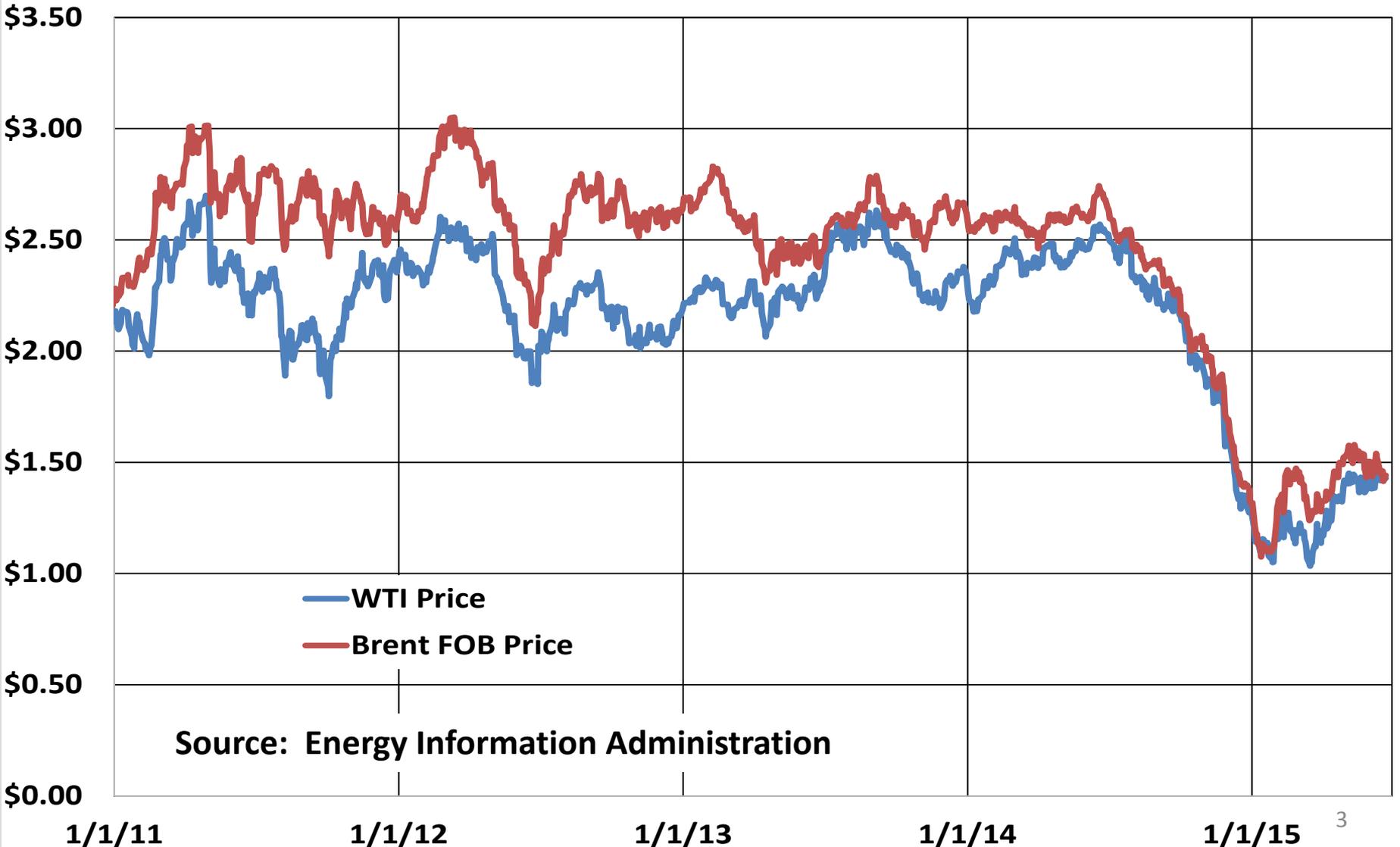
# Retail Gasoline Prices in California



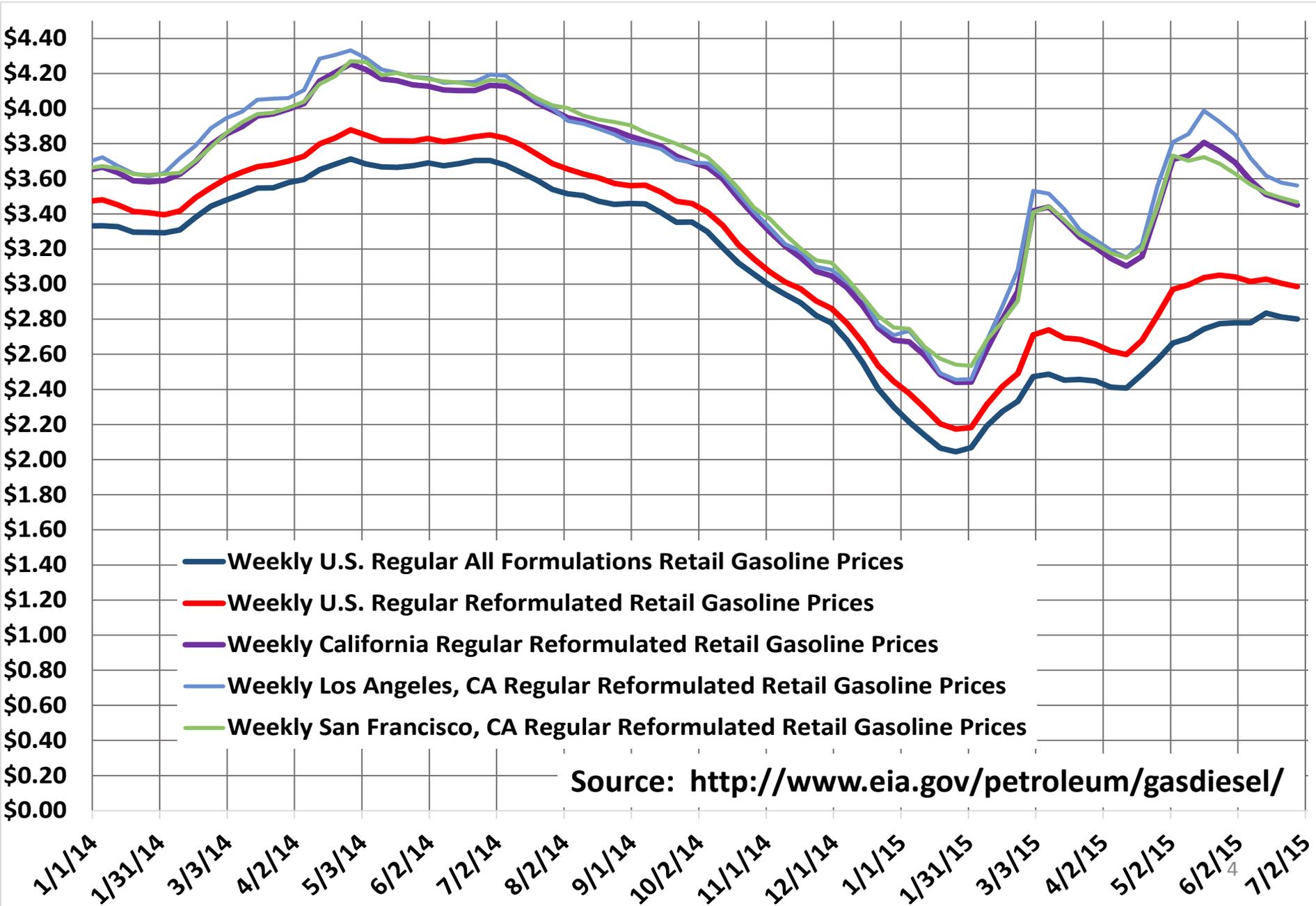
Prices generated from OPIS station retail price information. Prices include all applicable local and states taxes.

# Crude Oil Prices Have Dropped Between \$1.00 and \$1.50 per Gallon

Crude Oil Prices in the United States: Dollars Per Gallon



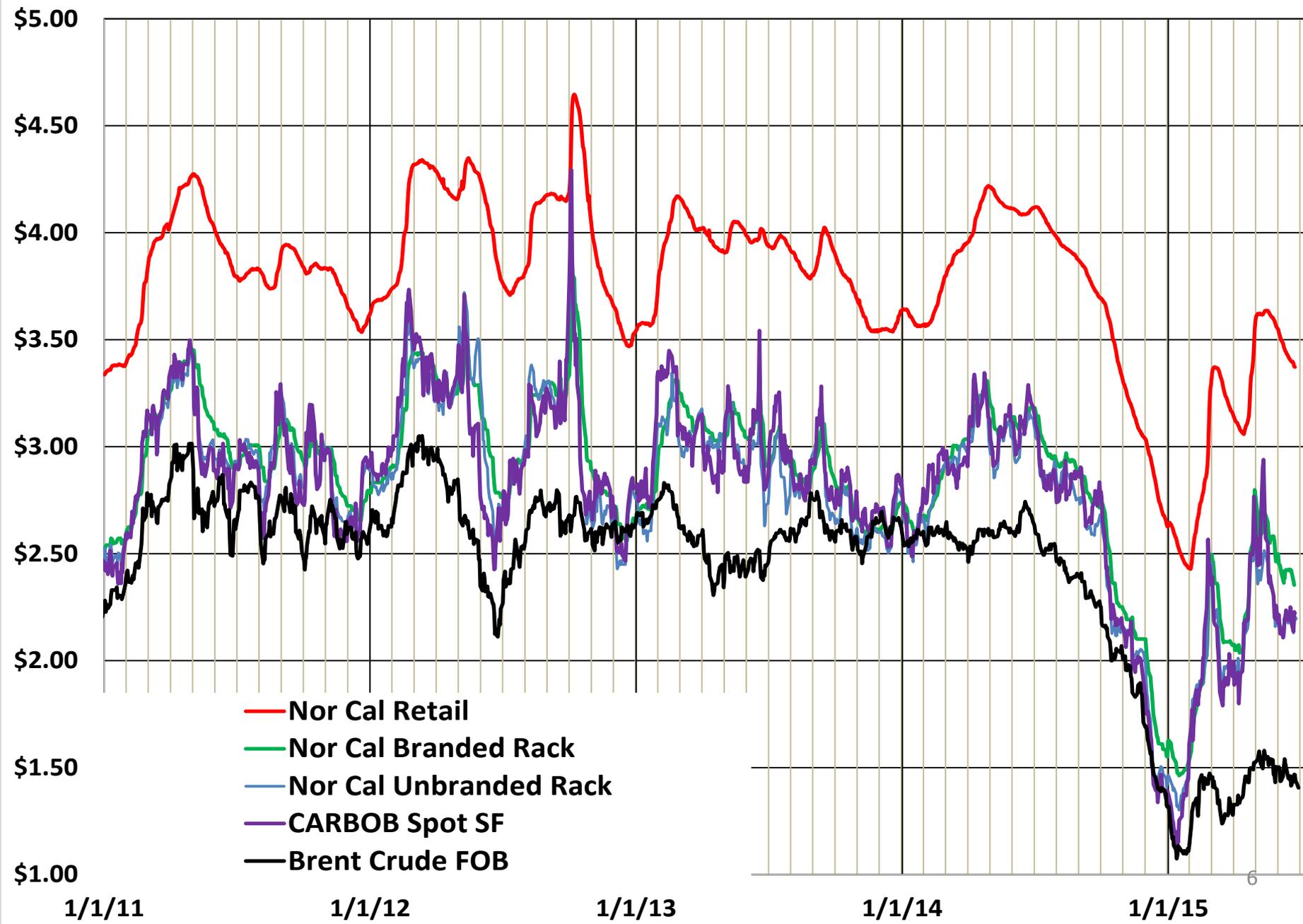
# Retail Gasoline Prices: US and CA



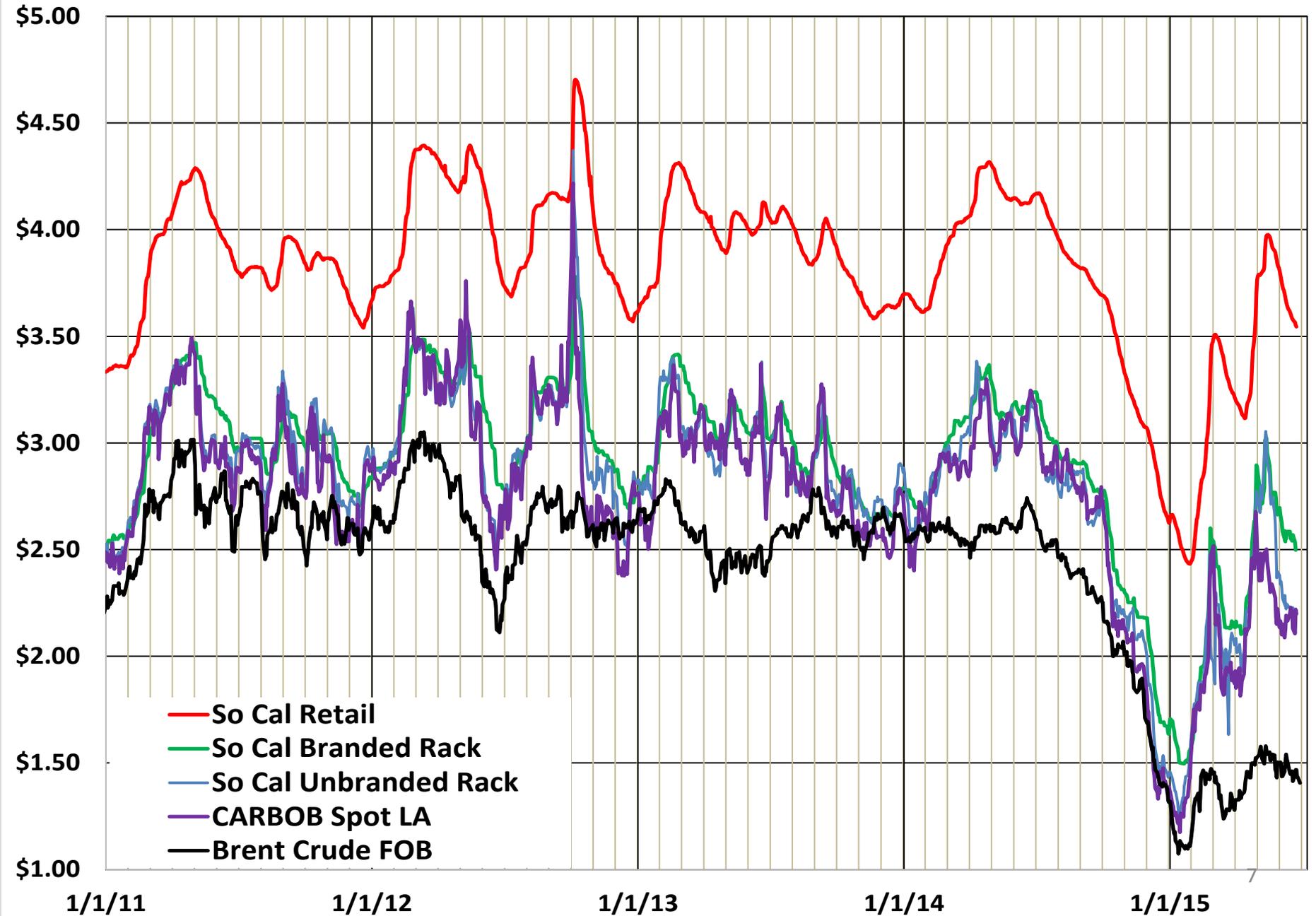
# The Issue

- **Why haven't California Retail Prices dropped between \$1.00 and \$1.50 per gallon, consistent with the drop in the price of crude oil?**
- **What are the price differentials in the supply chain?**
- **Why are these differentials what they are?**
  - **This question has not been answered by the informal working group.**

# Prices in Northern California



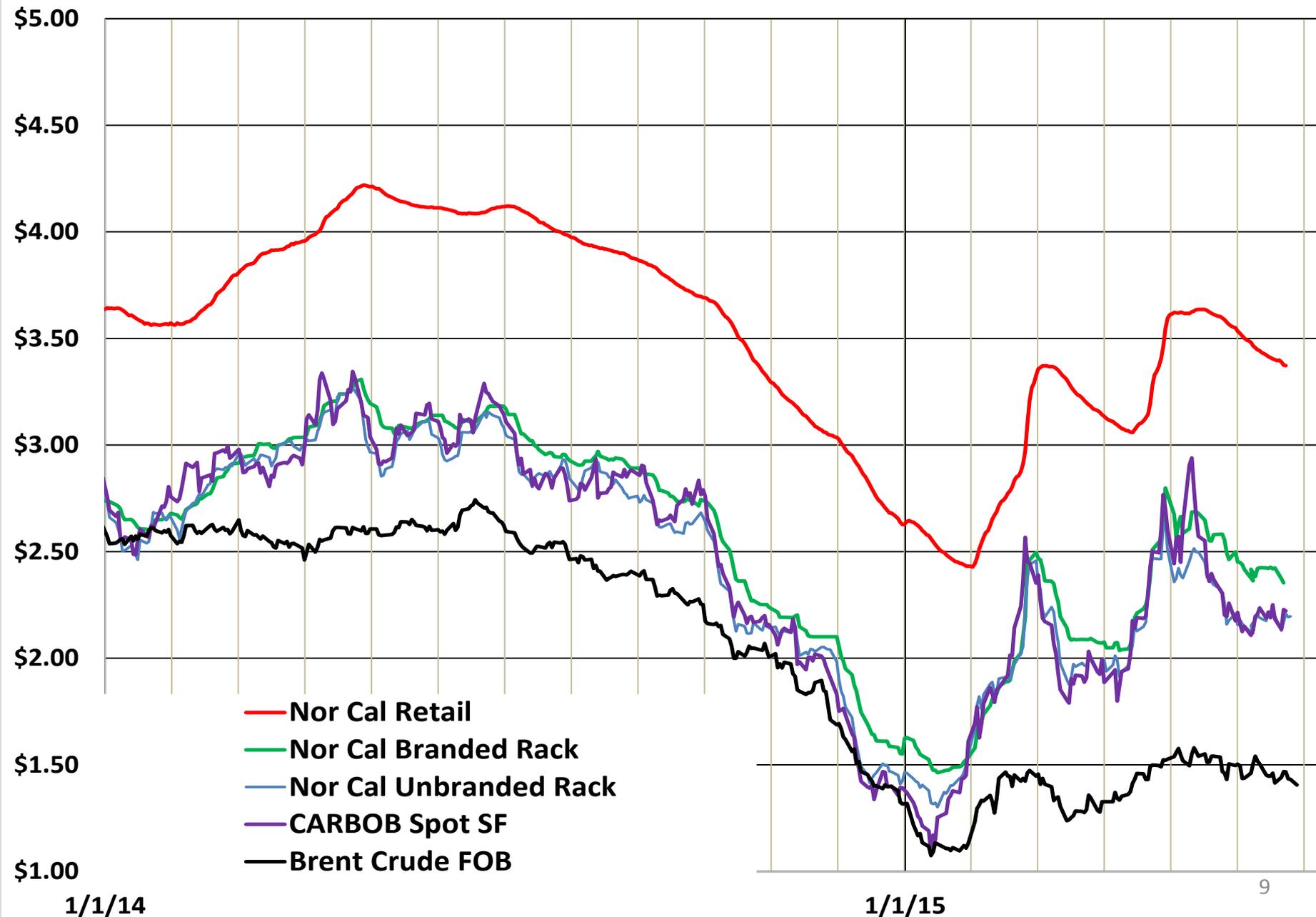
# Prices in Southern California



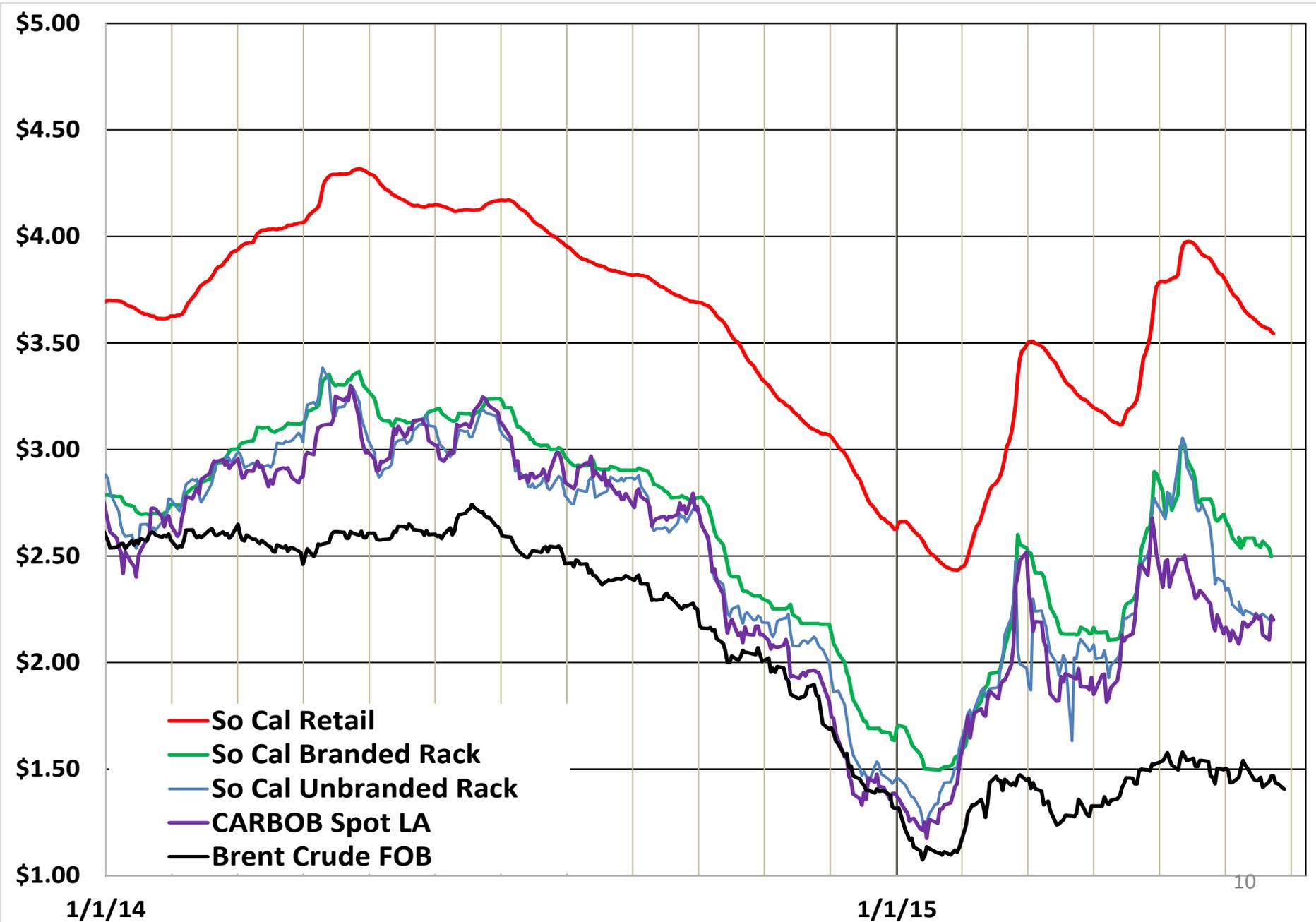
# Data from January 1, 2014

- The same charts are shown for a shorter time interval to better show price variations.

# Prices in Northern California



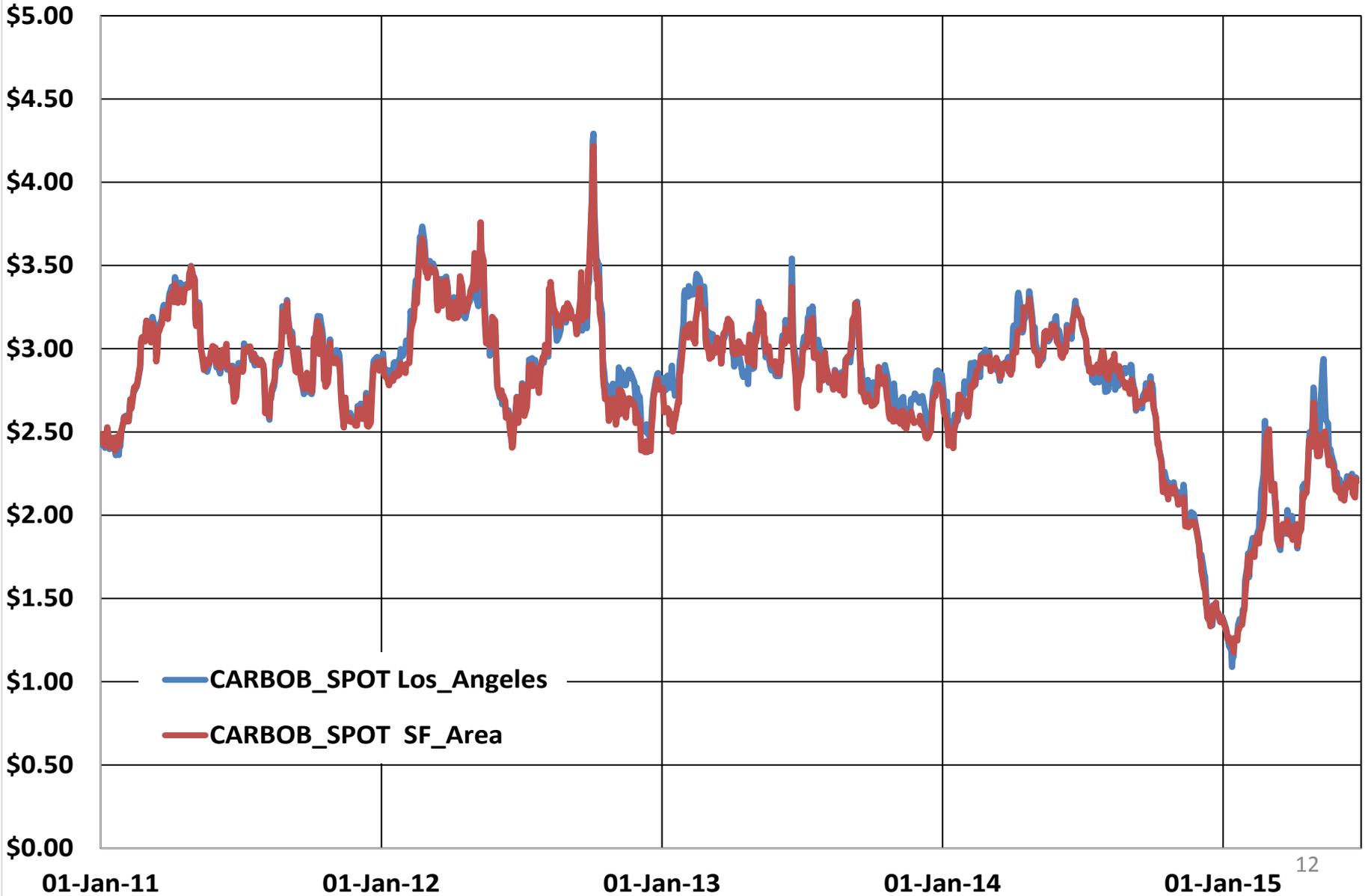
# Prices in Southern California



**These data will be expanded and compared in the following charts. In addition, data on comparisons with New York Harbor and Gulf Coast gasoline are presented.**

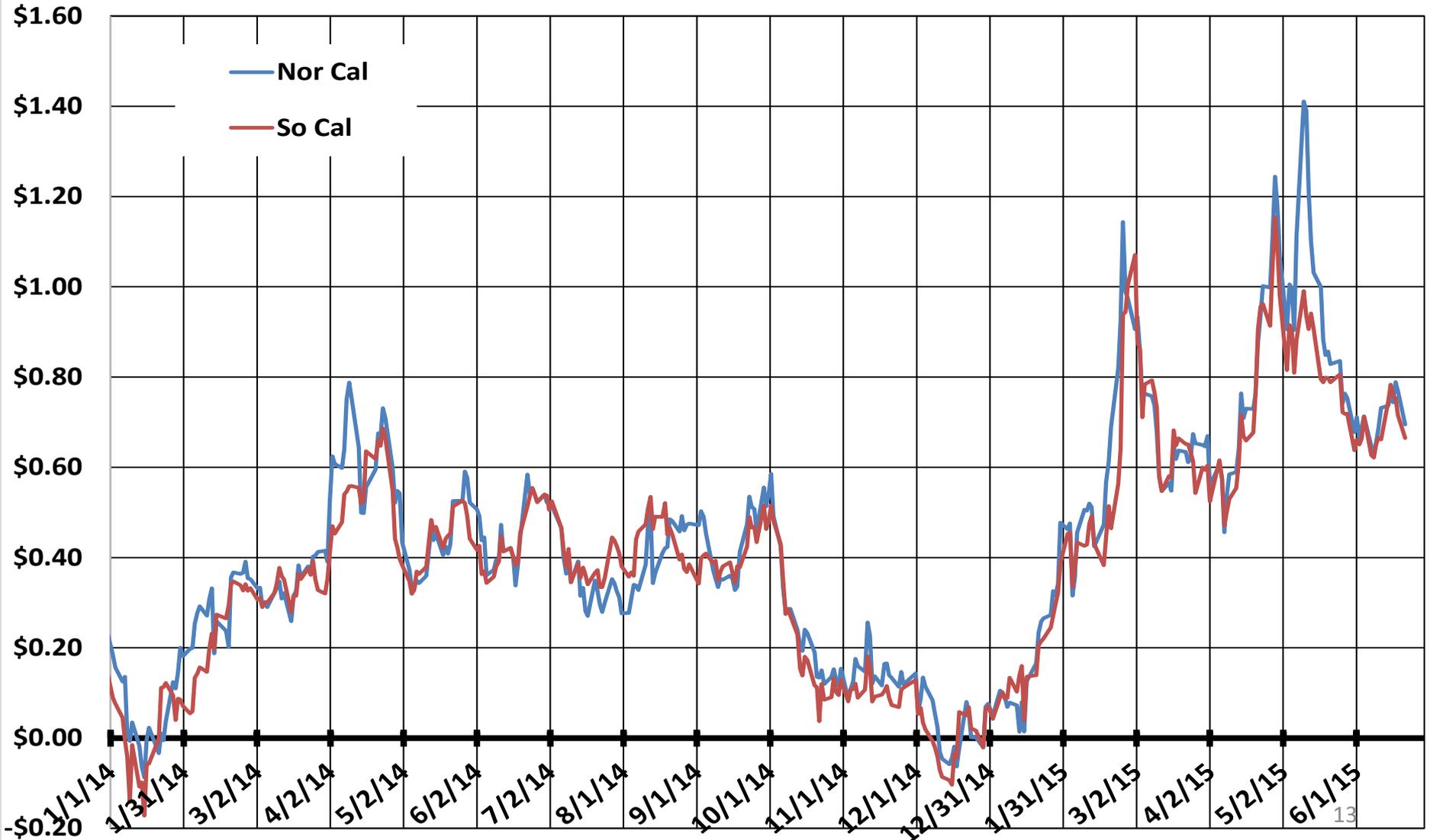
# Spot CARBOB Prices Recently Increased

## Spot CARBOB Prices in California



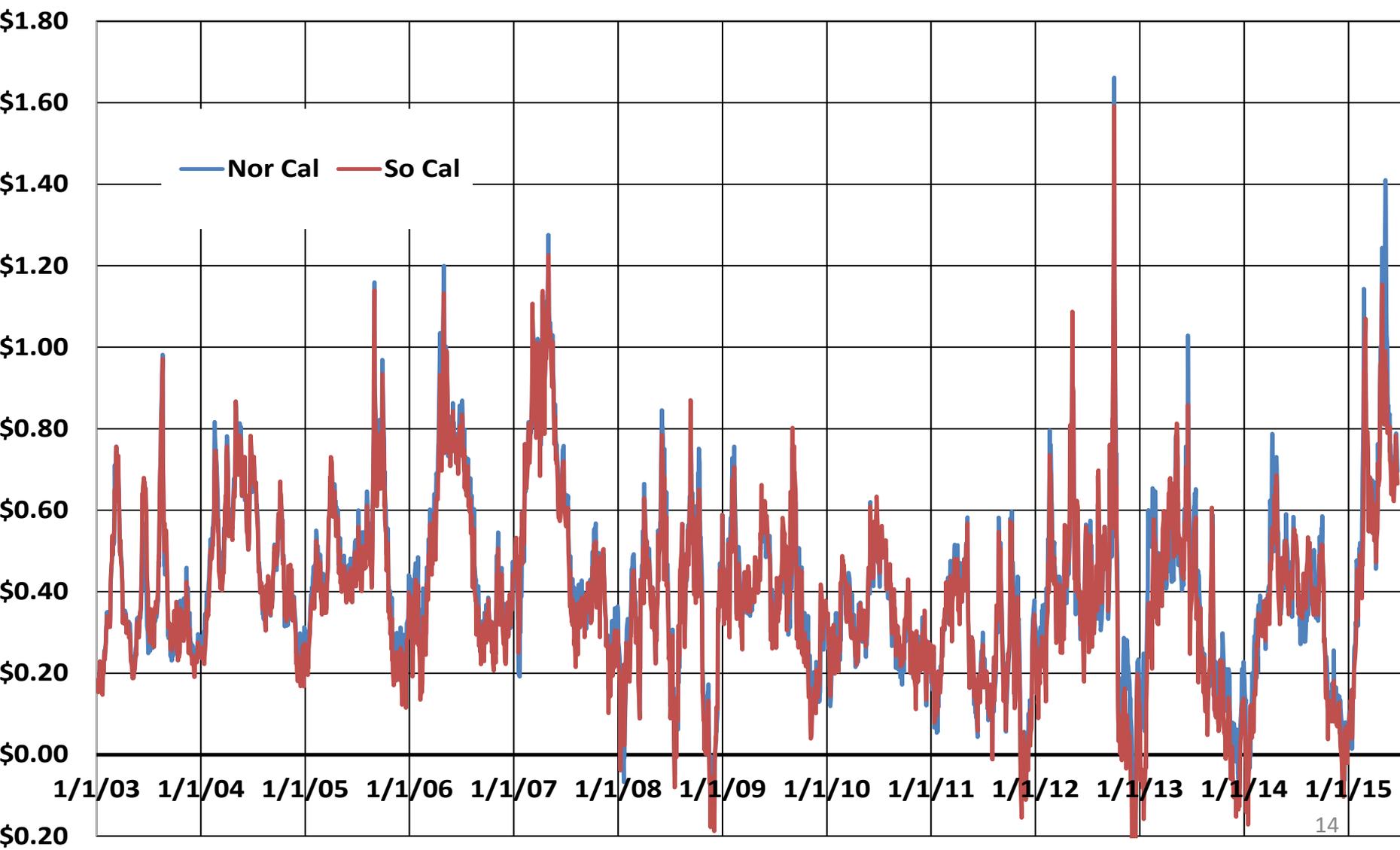
# Differential Between CARBOB Price and Crude Oil Price \$.50 to \$1.00/gal Higher Than Last Two Years

Differential: CARBOB Prices - Brent CrudePrice



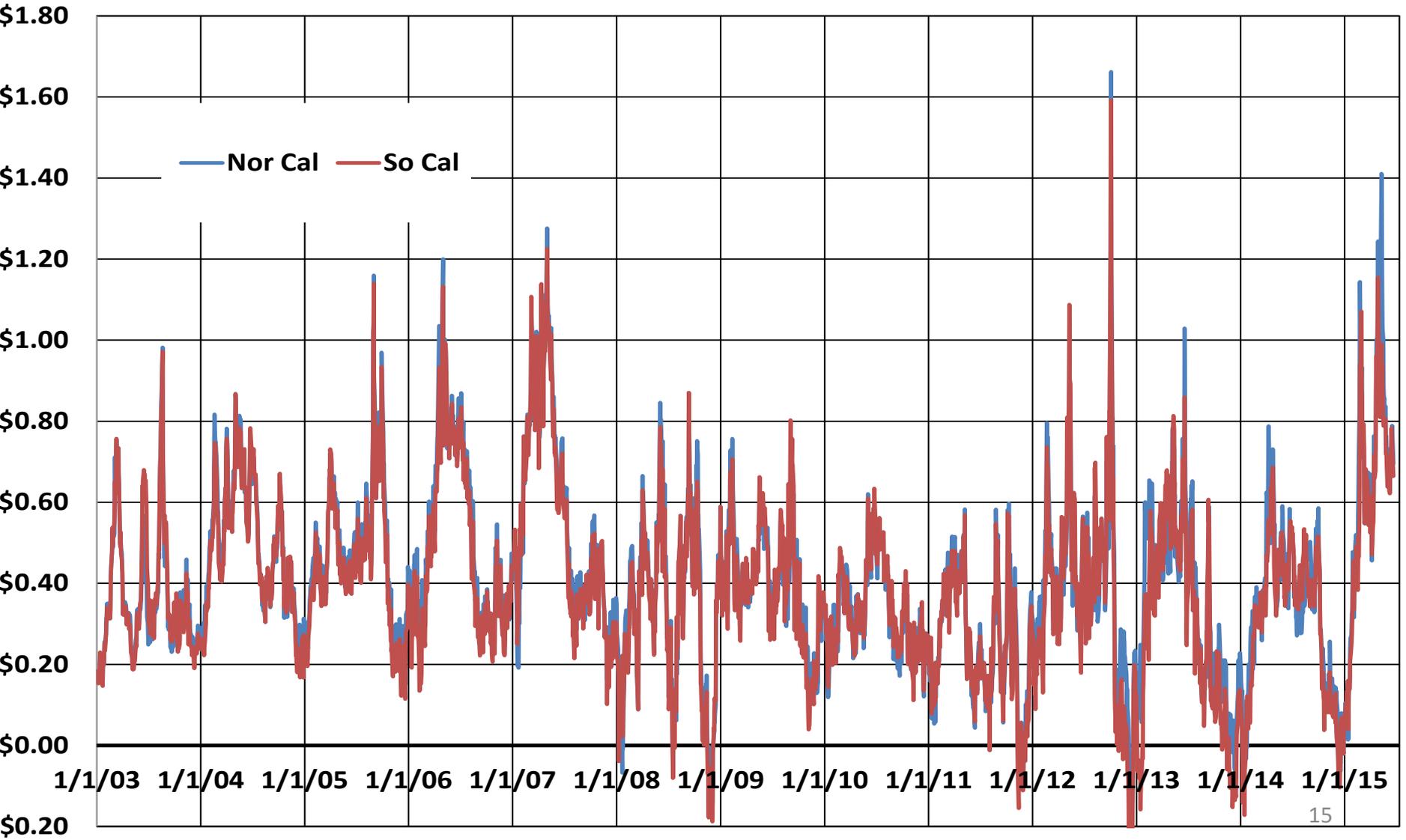
# Differential Between CARBOB Price and Crude Oil Price Unusually High (Brent Crude)

Differential: CARBOB Prices - Brent Crude Price



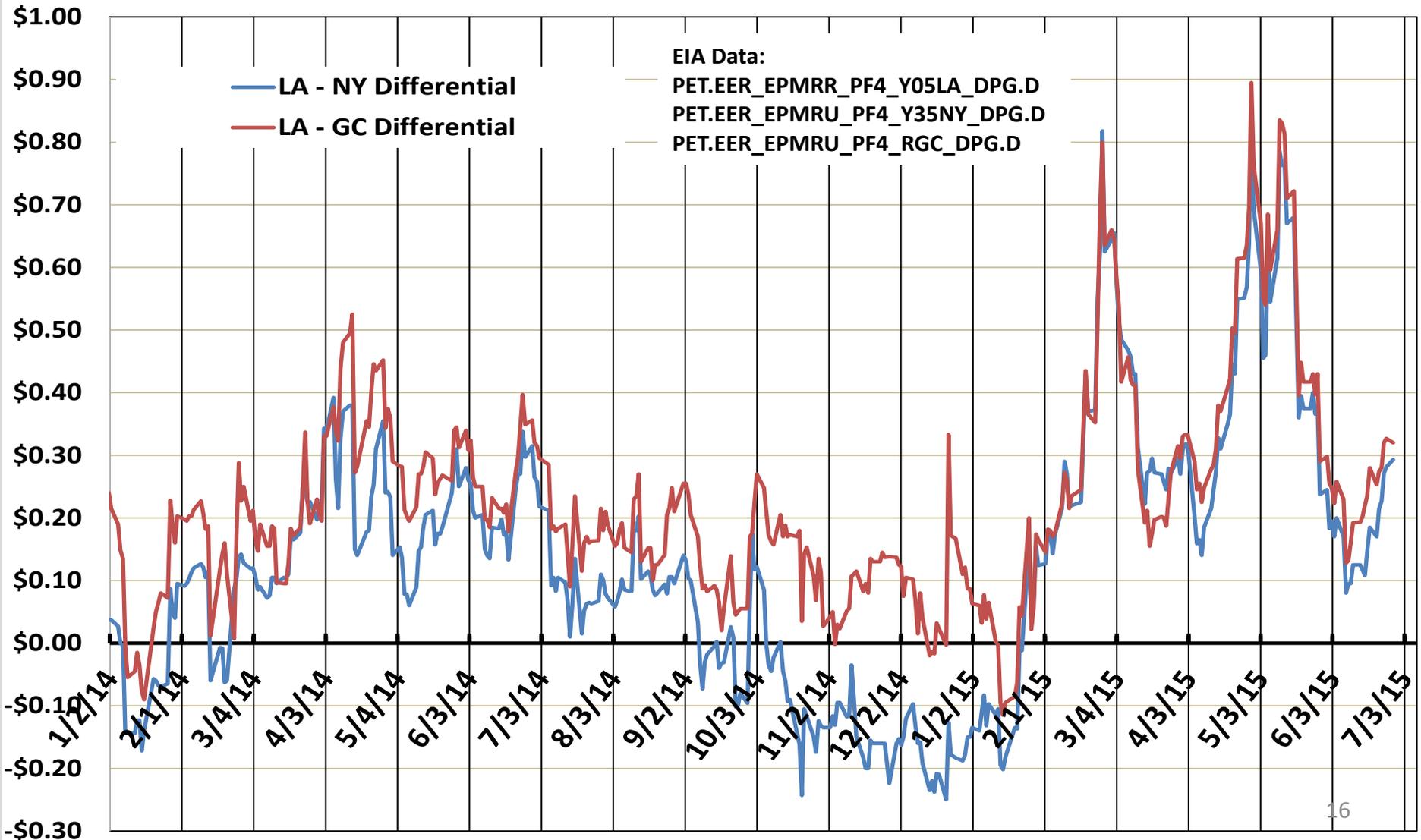
# Differential Between CARBOB Price and Crude Oil Price Unusually High (WTI Crude)

Differential: CARBOB Prices - Brent Crude Price



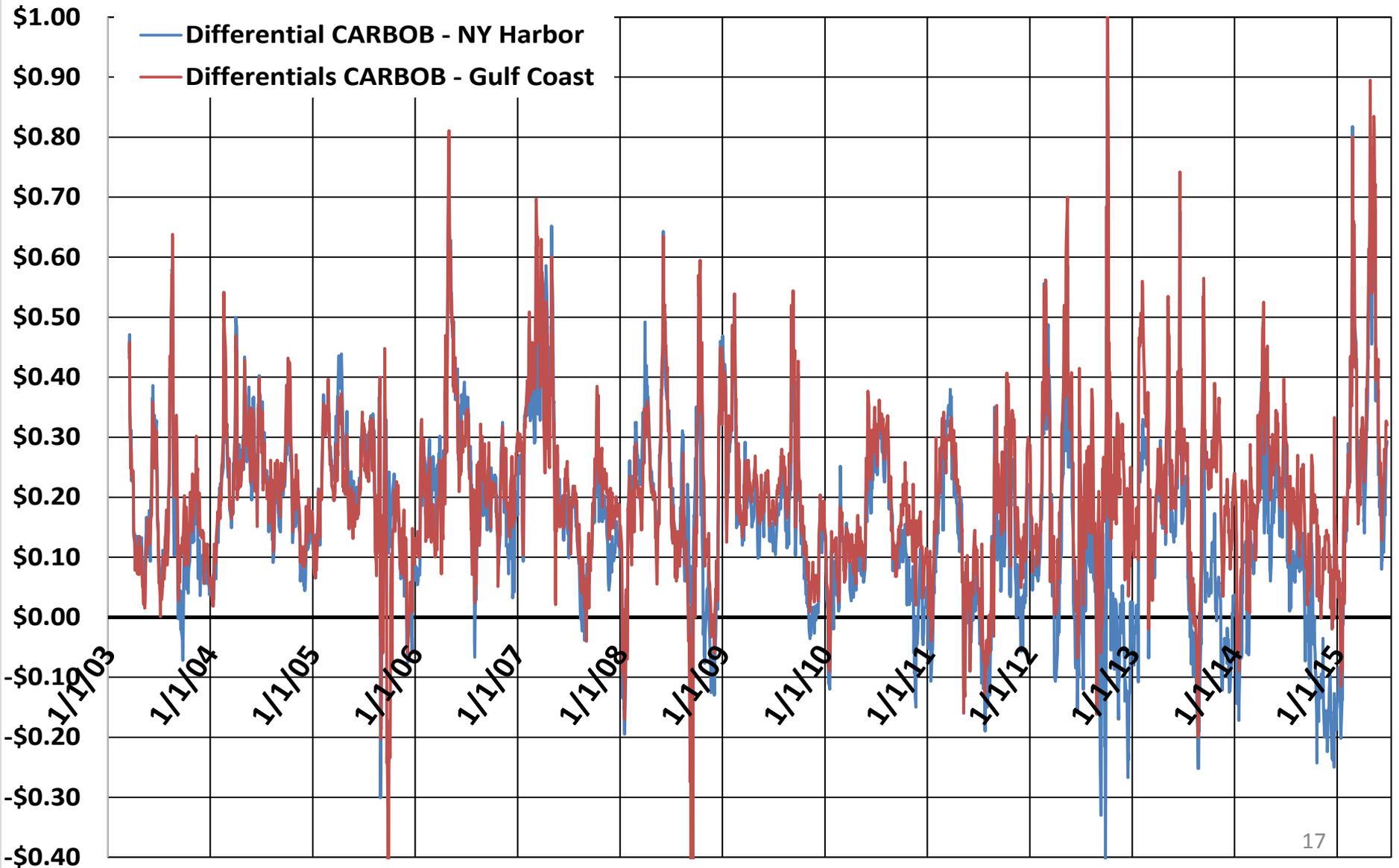
# LA Harbor CARBOB Spot Prices Have Exceeded NY Harbor or Gulf Coast Spot Gasoline Prices by \$0.30/gal to \$0.70/gal More than Typical, for Almost Two Months

## Differential: CARBOB Prices in LA Harbor vs GC and NY H



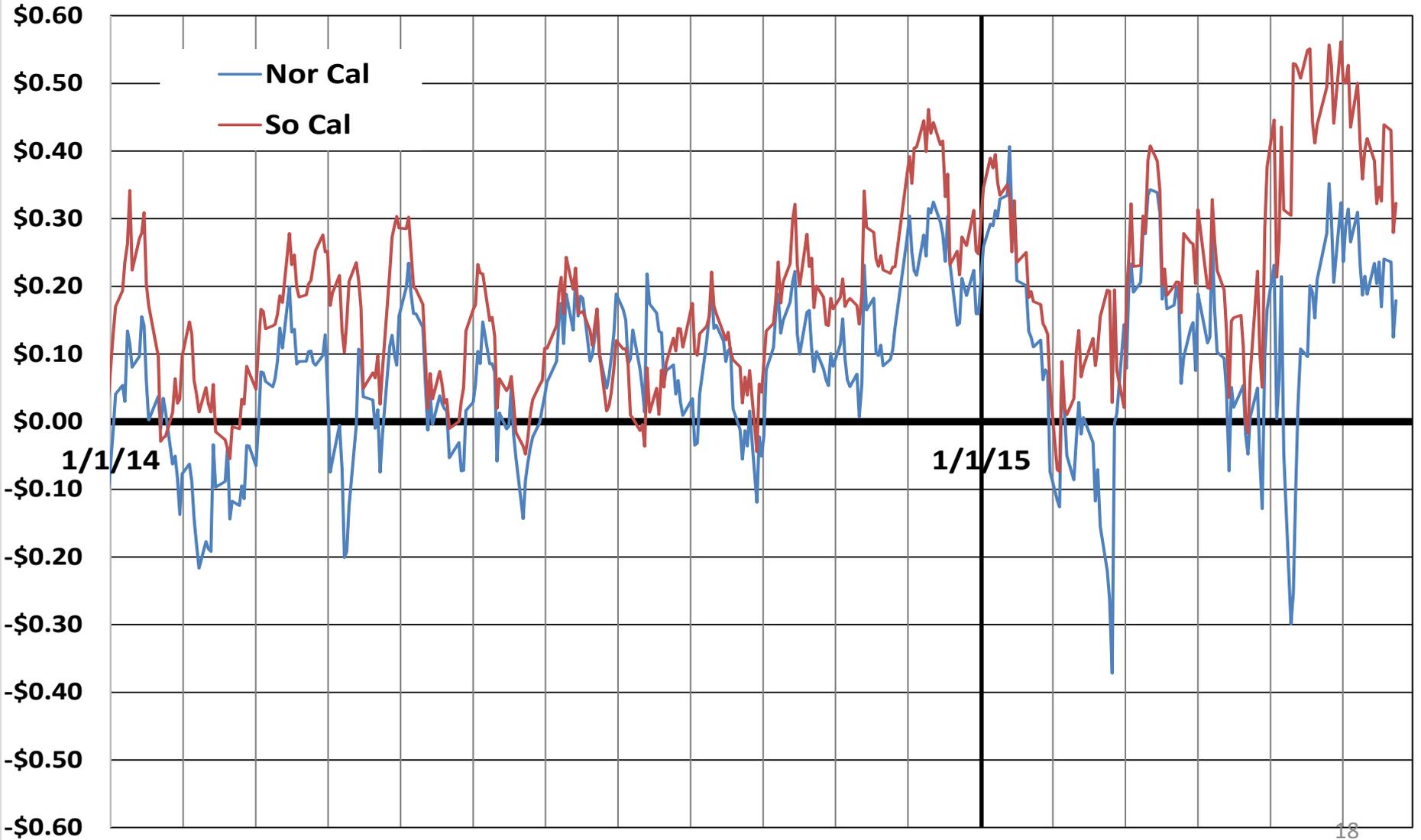
# Longer Term Perspective of Differential Between CARBOB Spot Prices and NY and GC Spot Prices

Differential: CARBOB Prices in LA Harbor vs GC and NY H

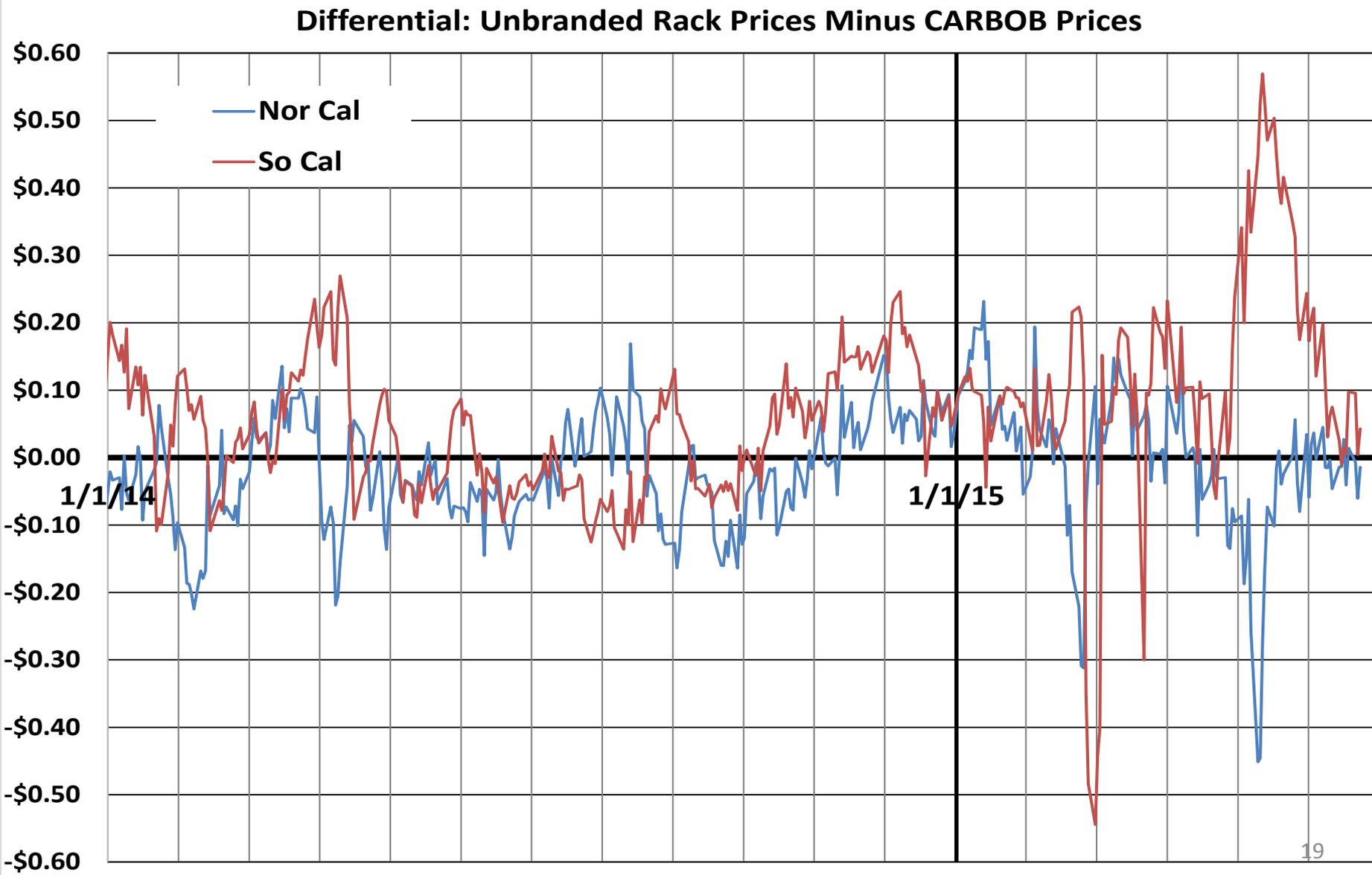


# CARBOB to Branded Rack Differential Increased During May and June in Southern California

Differential: Branded Rack Prices Minus CARBOB Prices

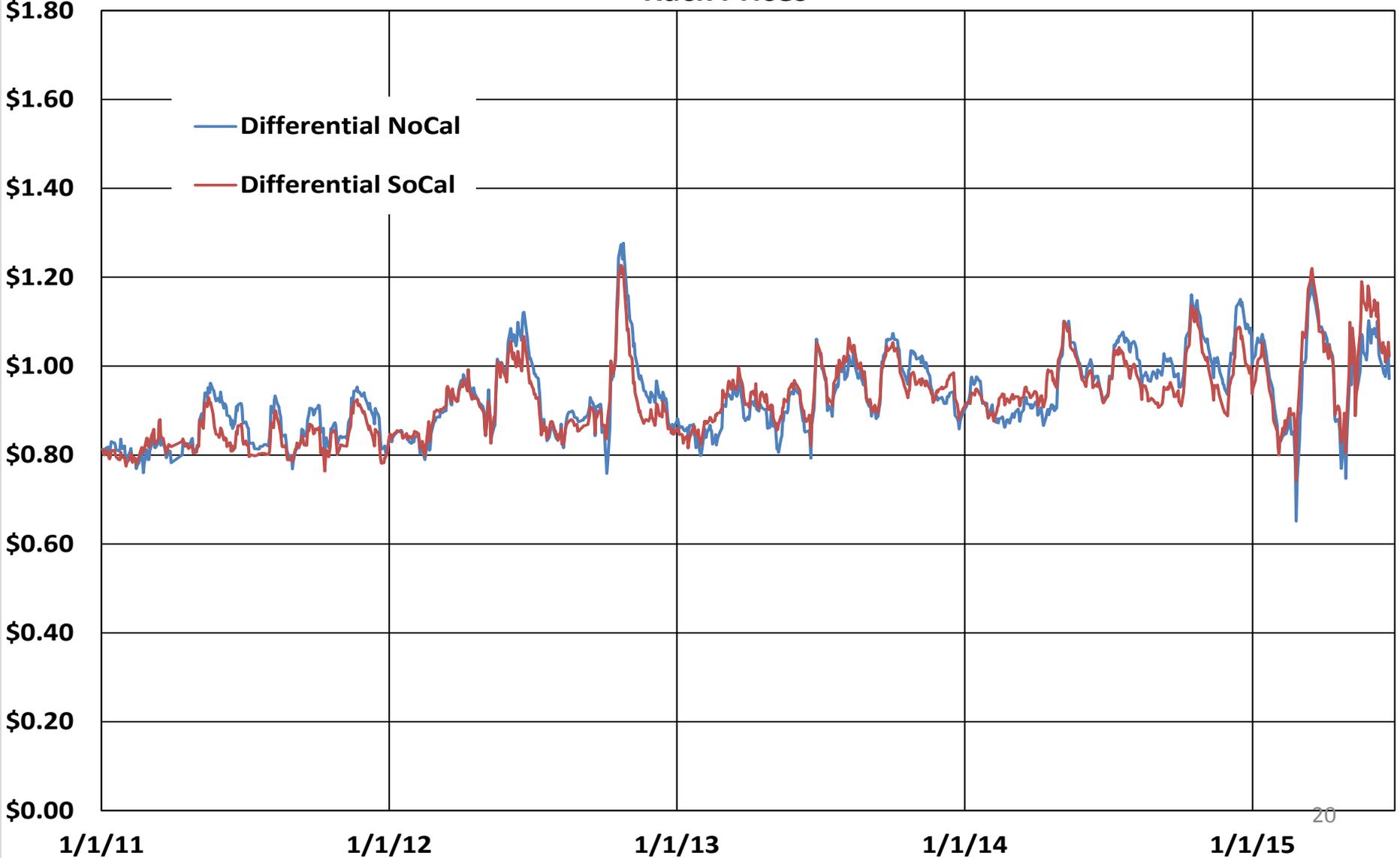


# CARBOB to Unbranded Rack Differential Increased During May in Southern California



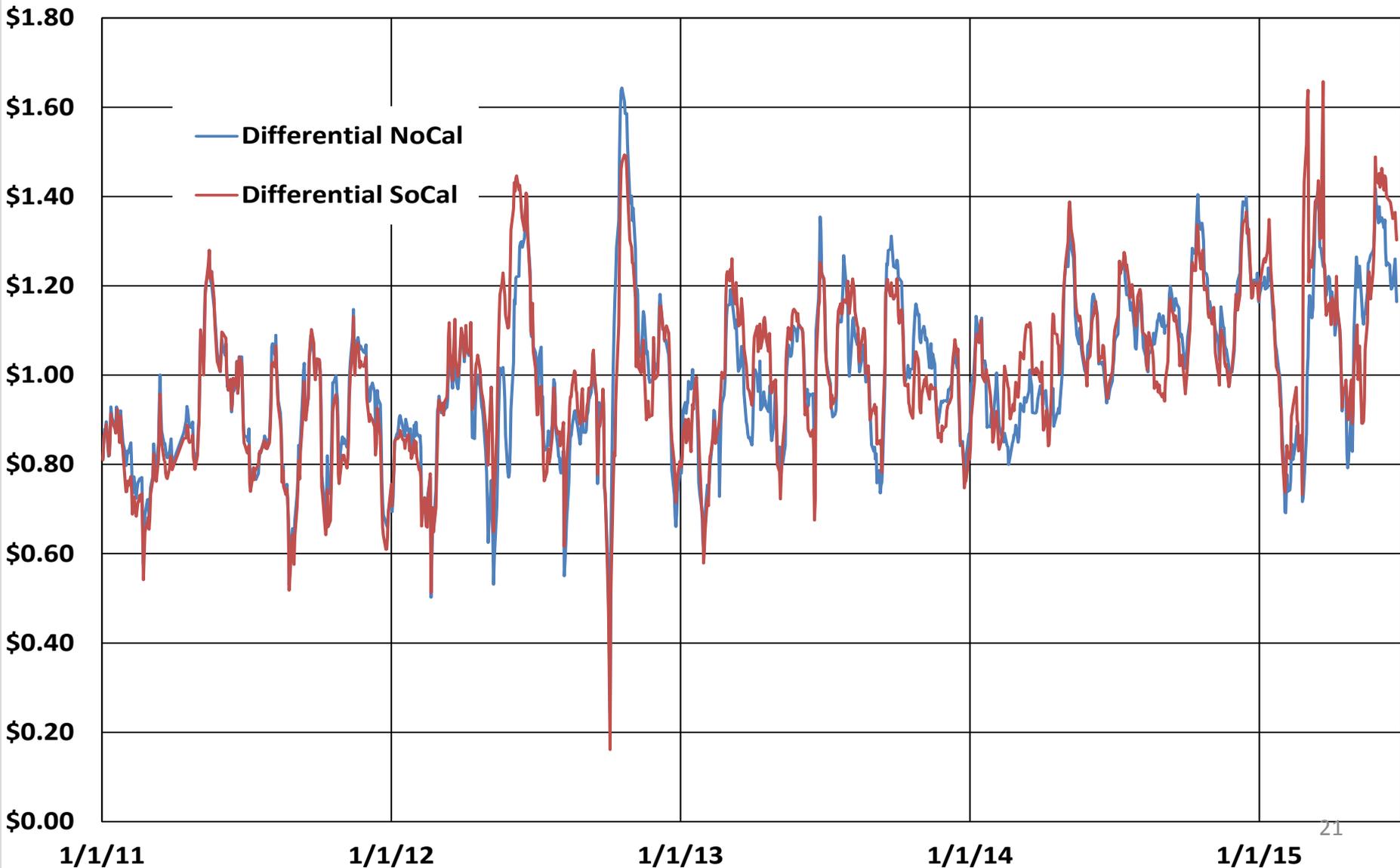
# Differential Between Branded Rack and Retail Prices Volatile, Increasing over Time

Differential: Retail minus Branded  
Rack Prices



# Differential Between Unbranded Rack and Retail Prices More Volatile, Increasing More over Time

Differential: Retail minus Unbranded Rack Prices

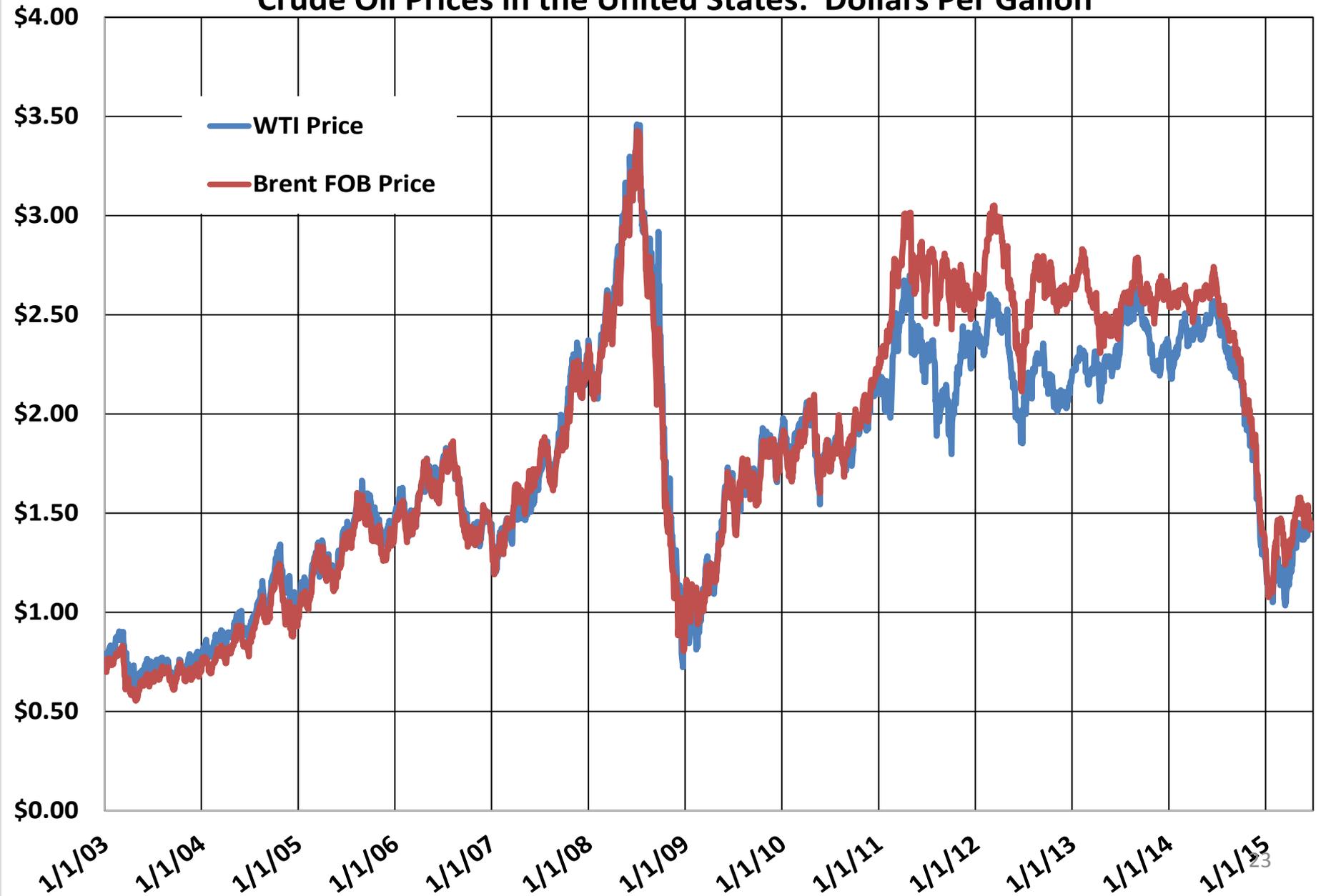


# Longer Term Perspective

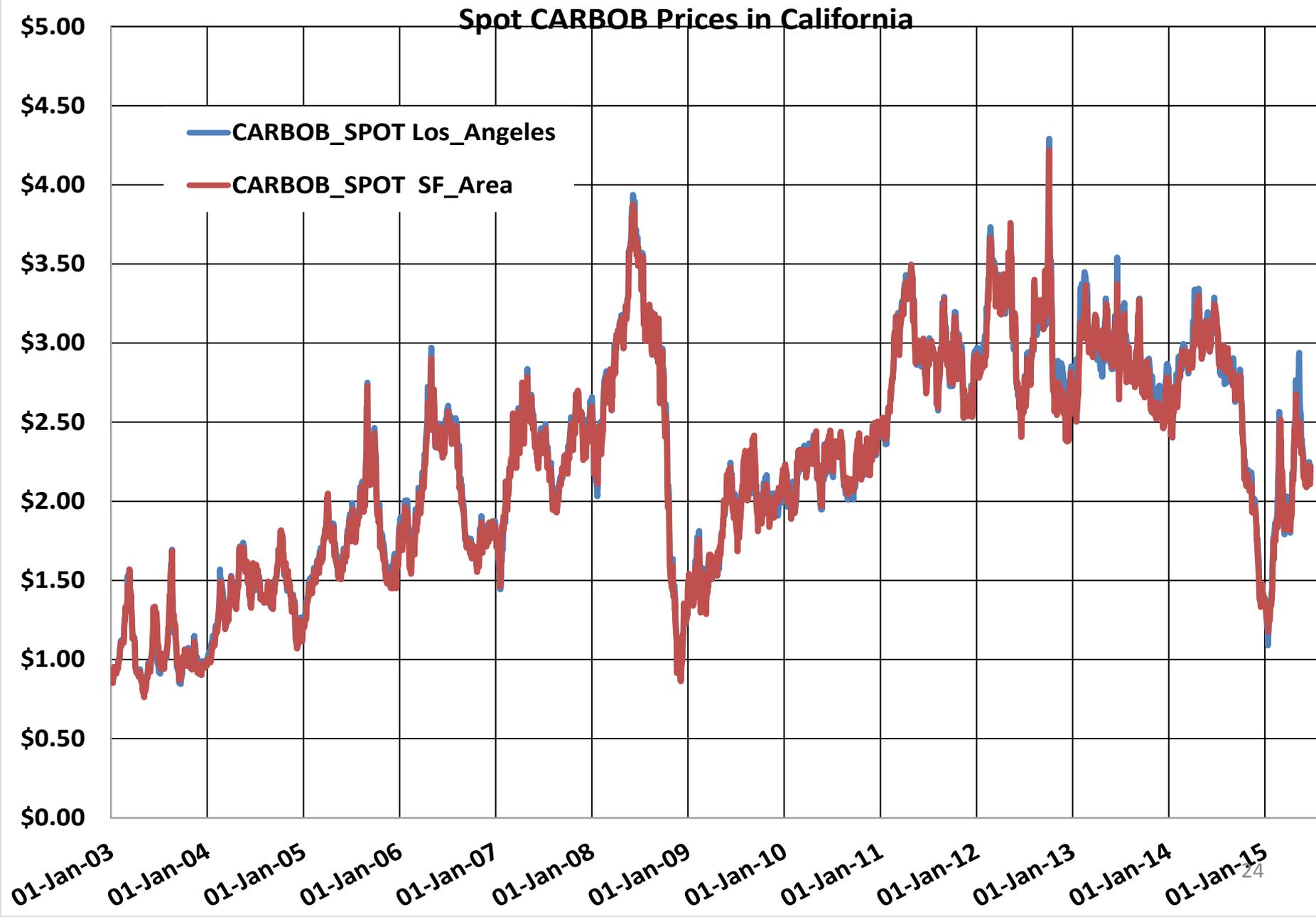
- **Data available to the PMAC back to 1/1/2003, except for retail price data**
- **Following graphs show previous graphs, but for the entire time period back to 2003**

# Longer Perspective on Crude Oil Prices

Crude Oil Prices in the United States: Dollars Per Gallon



# Longer Perspective on Spot CARBOB Prices



# In Summary

- **Price differentials increased throughout much of the supply chain, but the largest increase was in the difference between the crude oil price and the CARBOB price.**
- **Retail differentials, although volatile, have generally increased over time in both northern and southern California.**
- **Differentials between CARBOB and rack prices increased in southern California but much less so in northern California.**
- **The informal working group has not determined the reasons for these differentials.**