



The Road to 2030

Achieving Targets Through 2030

U.C. Davis STEPS Symposium
May 12, 2015

The Road to 2030: US Energy Picture

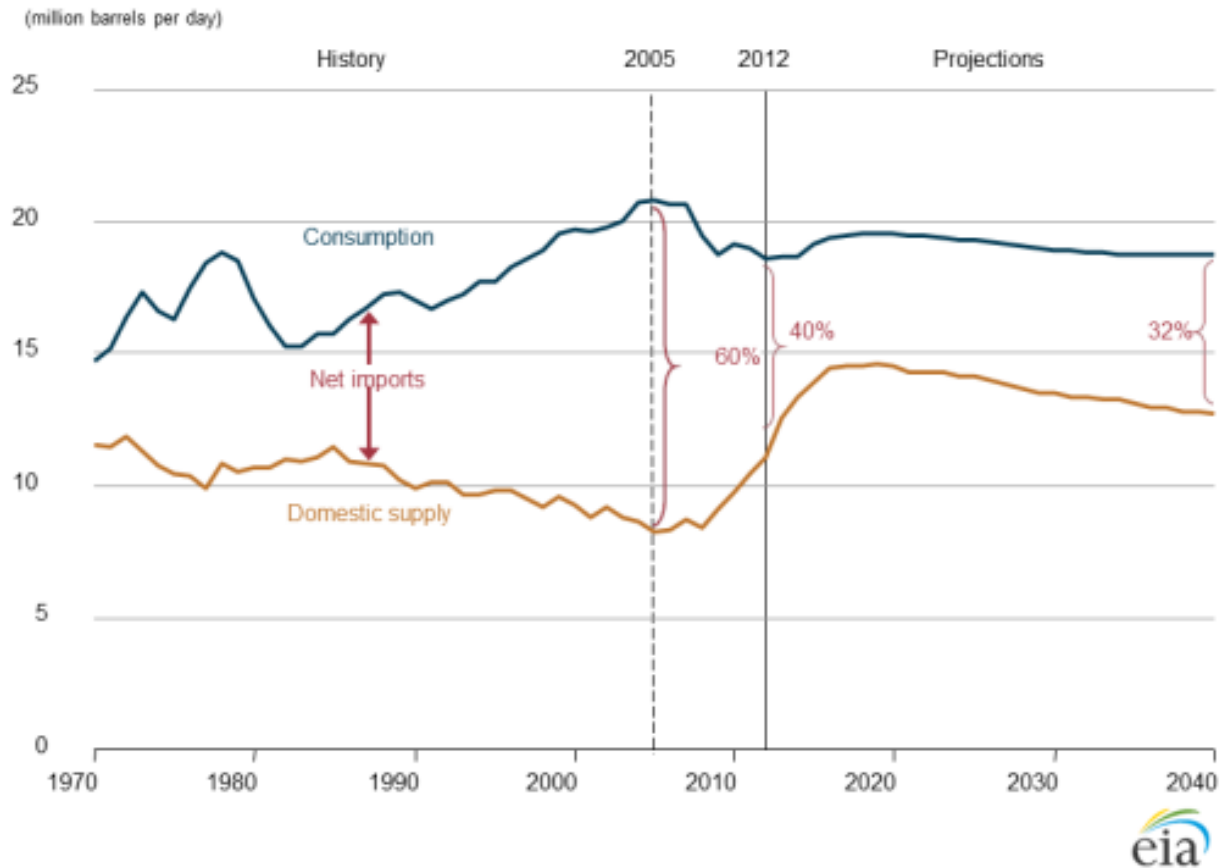
“For the first time in nearly two decades, we now produce more oil here at home than we buy from the rest of the world, and our all-of-the-above strategy for new American energy means lower energy costs.”

**President Barack Obama
December 20, 2013**



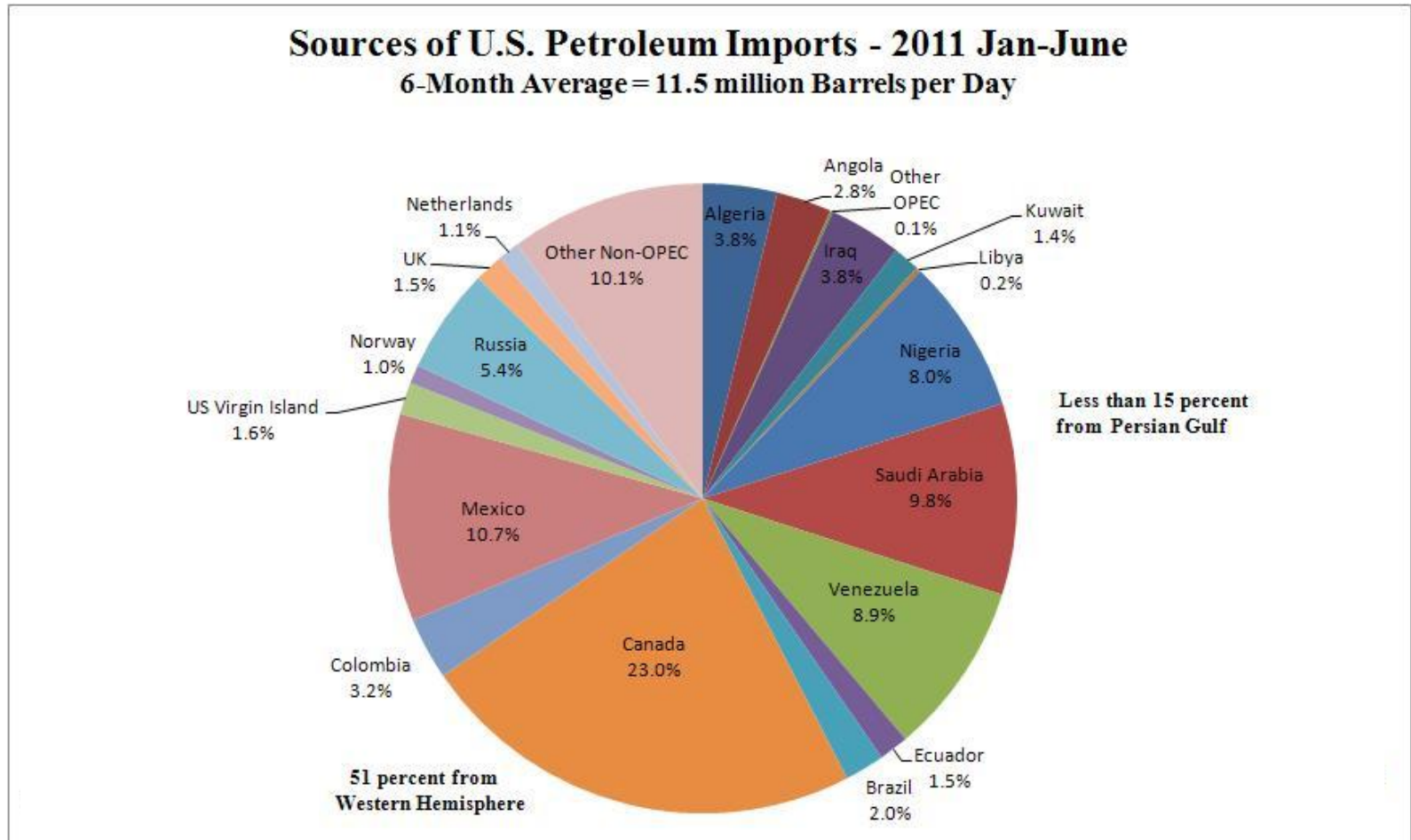
The Road to 2030: US Energy Picture

U.S. Petroleum and Other Liquid Fuels Supply, 1970 - 2040



Source: U.S. Energy Information Administration

The Road to 2030: US Energy Picture



Source: U.S. Energy Information Administration

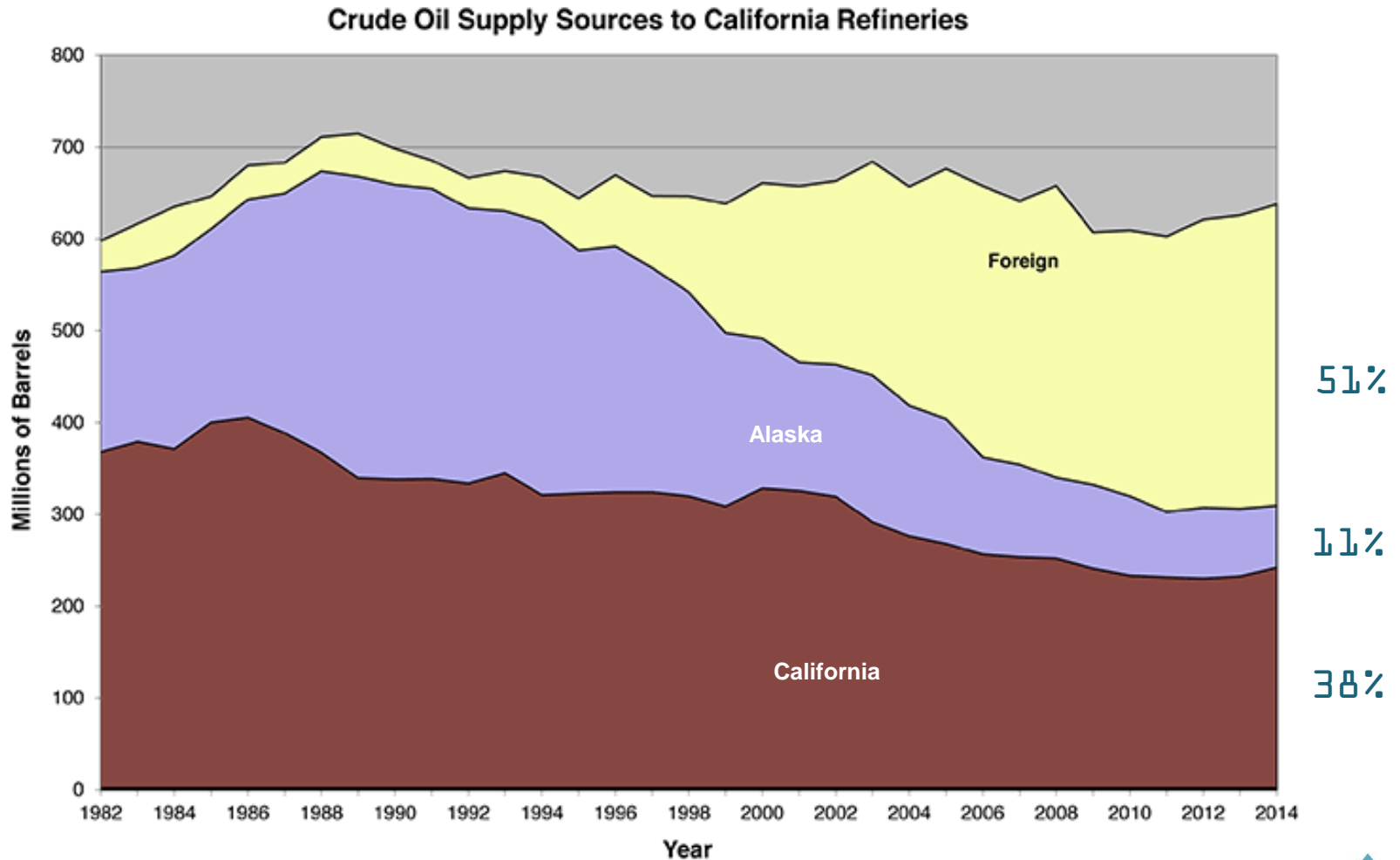
The Road to 2030: CA Energy Picture

“The fossil fuel deposits in California are incredible.”

California Governor Jerry Brown
March 15, 2013



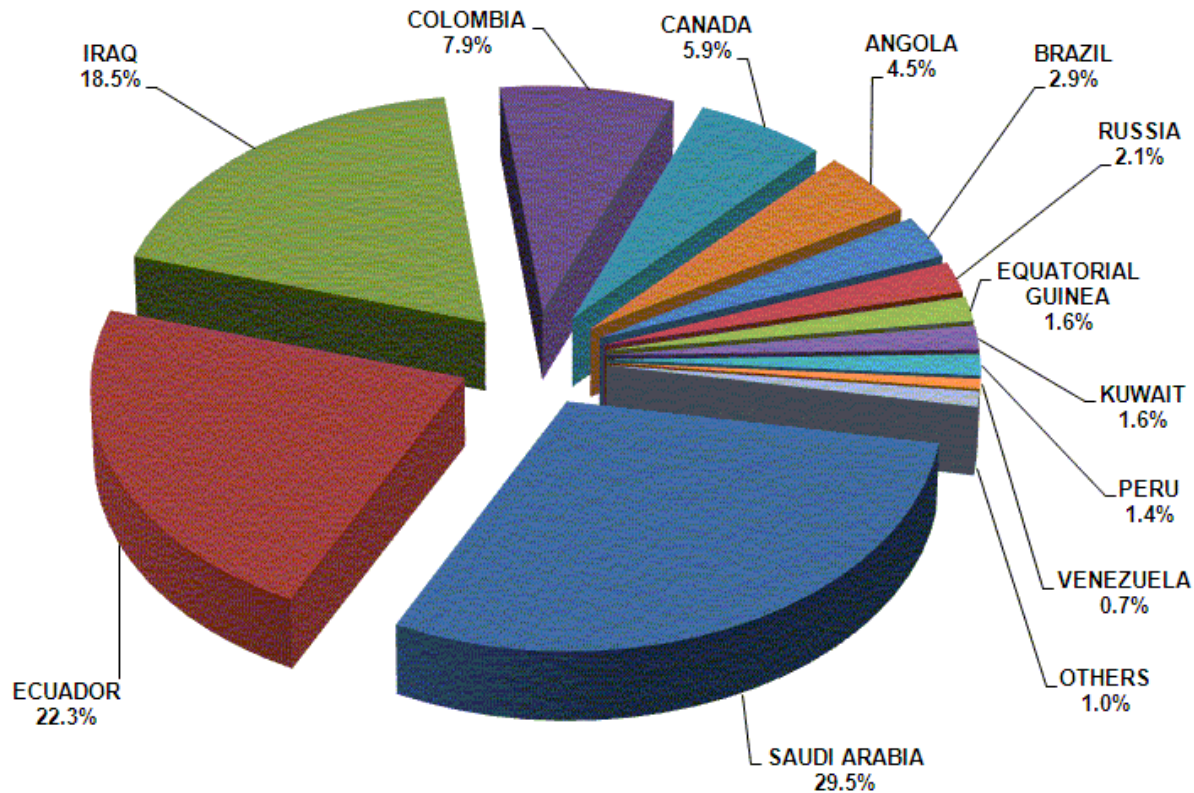
The Road to 2030: CA Energy Picture



Source: California Energy Commission

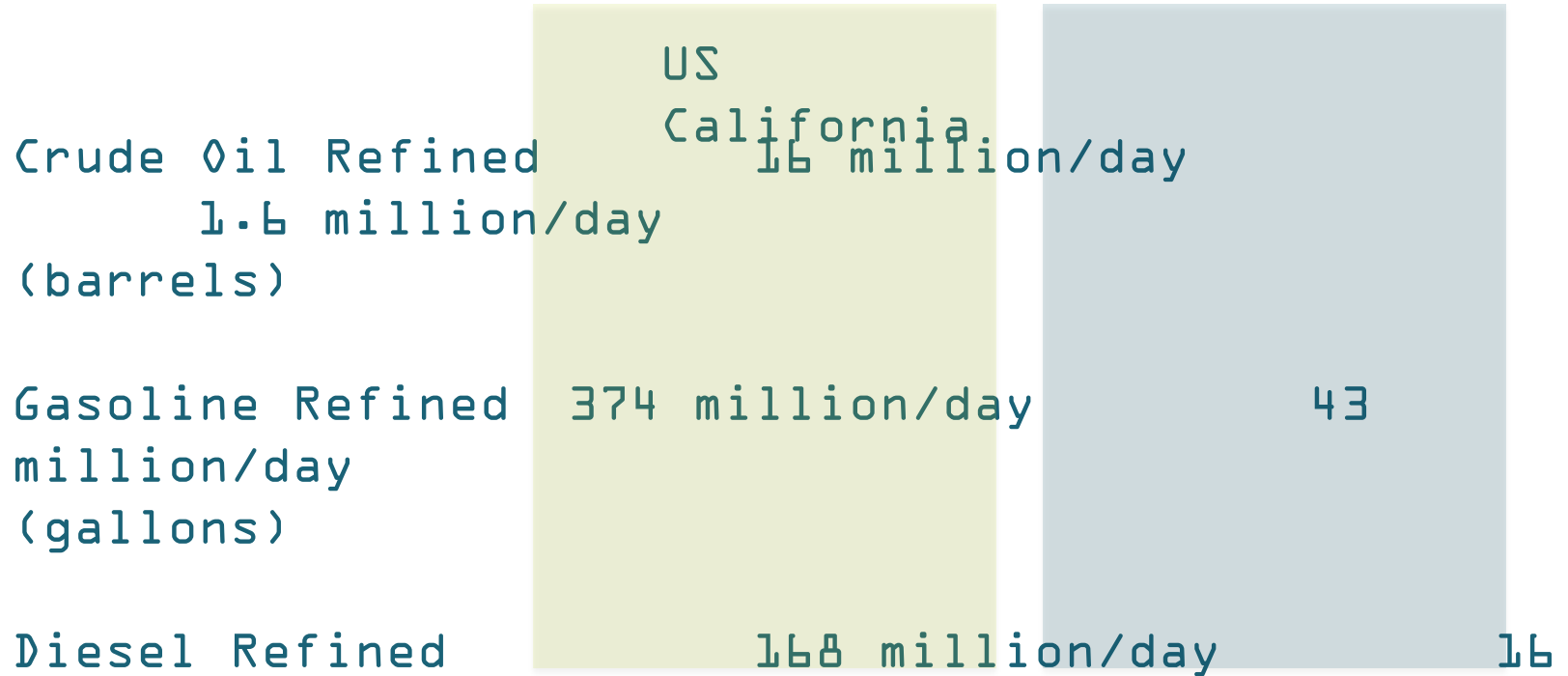
The Road to 2030: CA Energy Picture

Sources of Imported Foreign Oil Into California



Source: Energy Information Administration (EIA), Company-Level Imports.

The Road to 2030: Fuel Facts



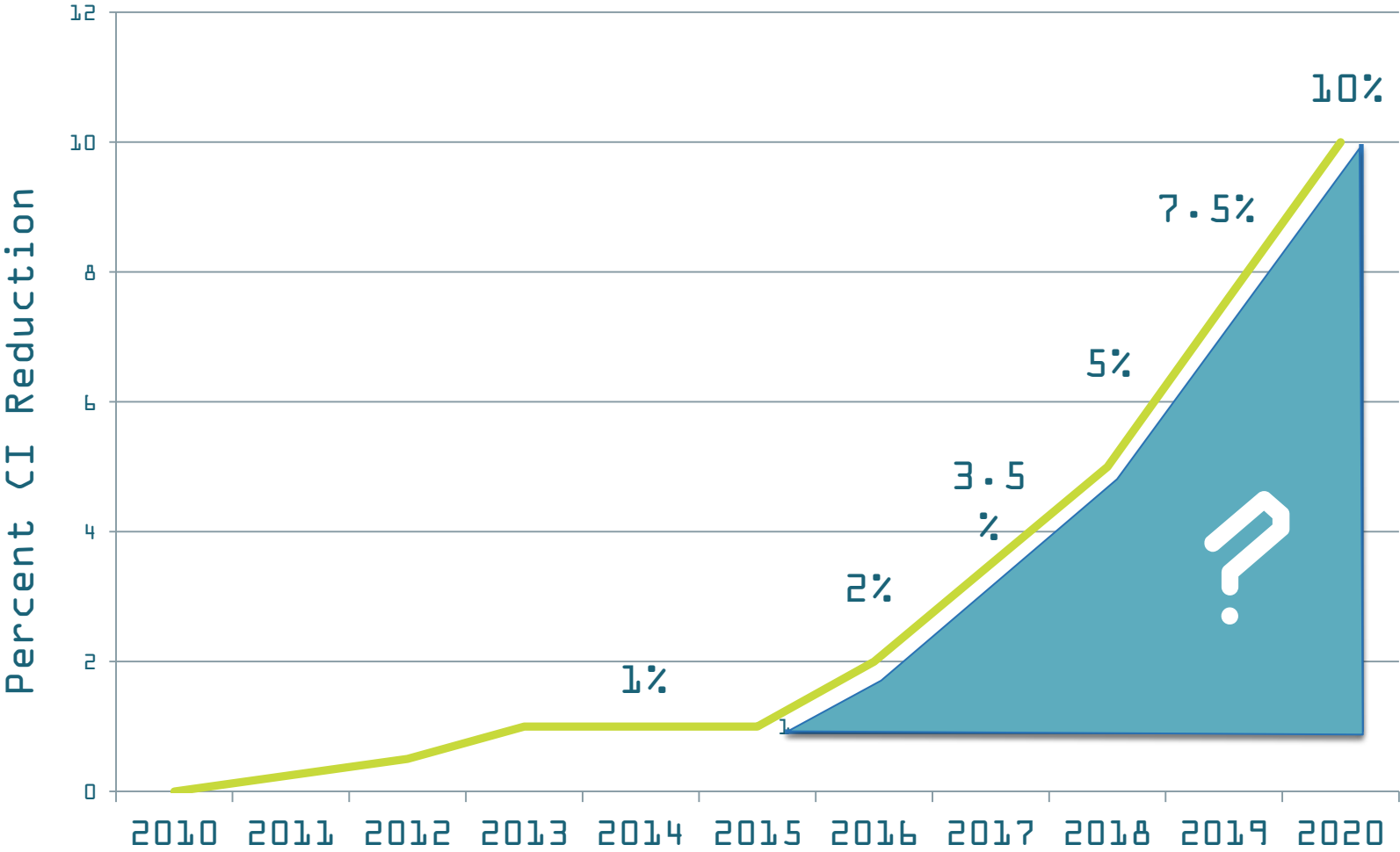
According to the Integrated Energy Policy Report, California is the third largest fuel consuming entity on earth, behind the US as a whole and all of China

92% of California's transportation fuels are petroleum-based

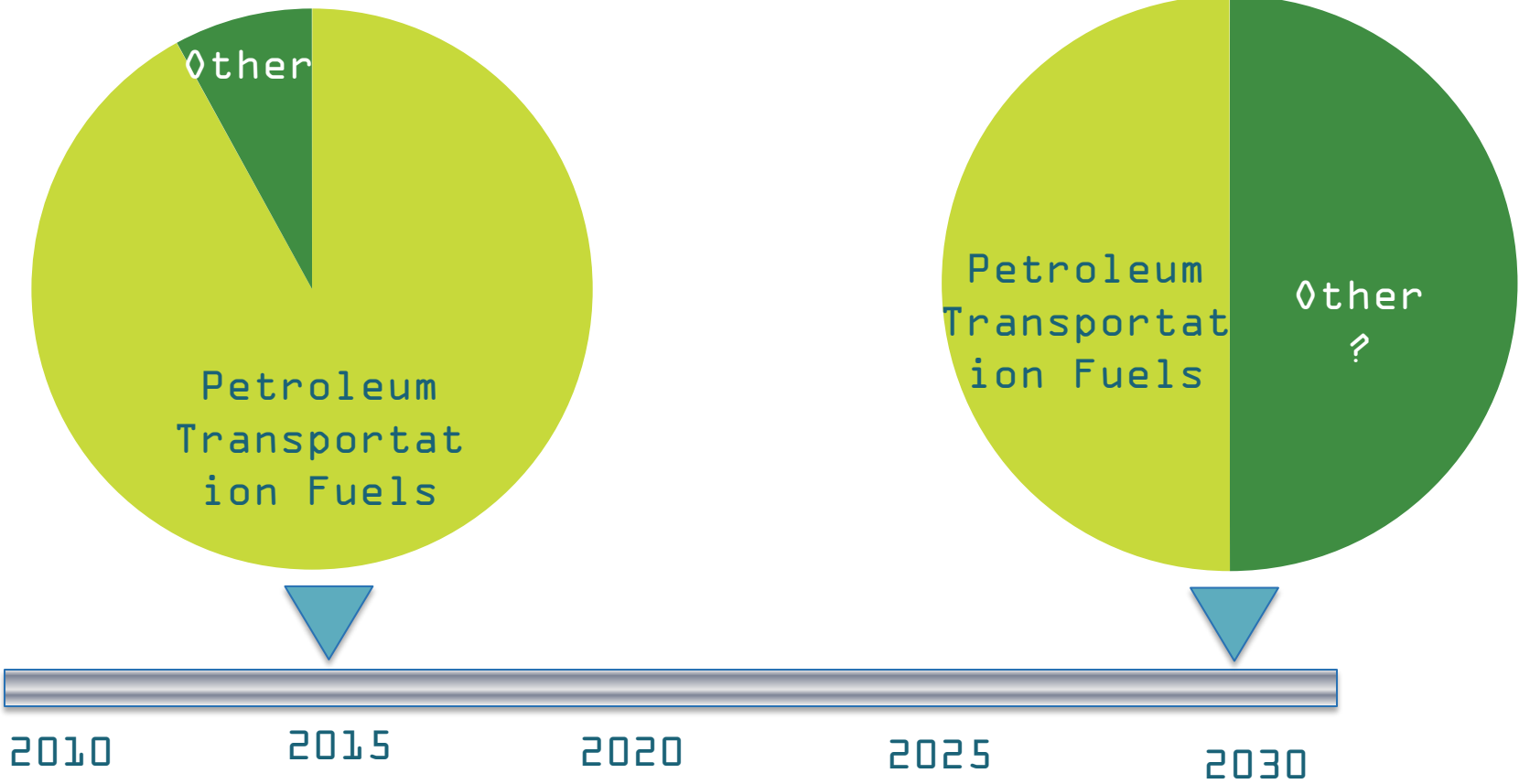
Source: U.S. Energy Information Administration; California Energy Commission



The Road to 2030: LCFS



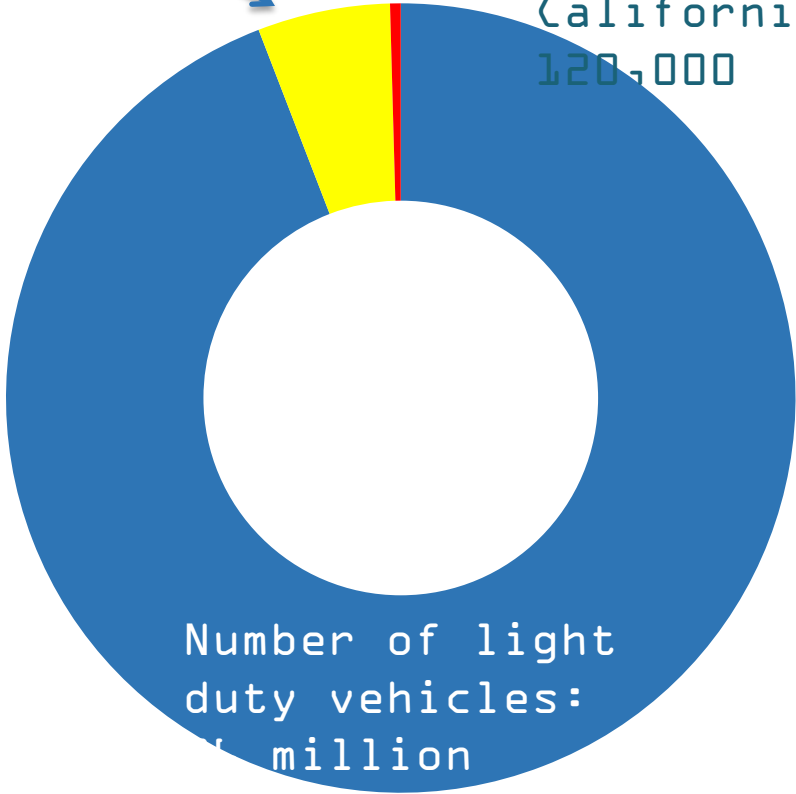
The Road to 2030: SB 350 Fuel Supply



The Road to 2030: Electric Vehicles

Governor's
2025 goal: 1.5
million

Number of electric
vehicles in
California today:
120,000



Number of light
duty vehicles:
1.5 million

Source: California Energy Commission, Draft California Integrated Energy Policy Report, November 2014; California Air Resources Board



The Road to 2030: VMT

“Industry analysts have predicted that road pricing will be among the most effective strategies in reducing VMT and GHG emissions.

A forecast based on the CSTDM seemed to confirm this assumption, where the 73 percent increase on the cost of driving translated into a 17 percent reduction in VMT.”

California Transportation Plan 2040

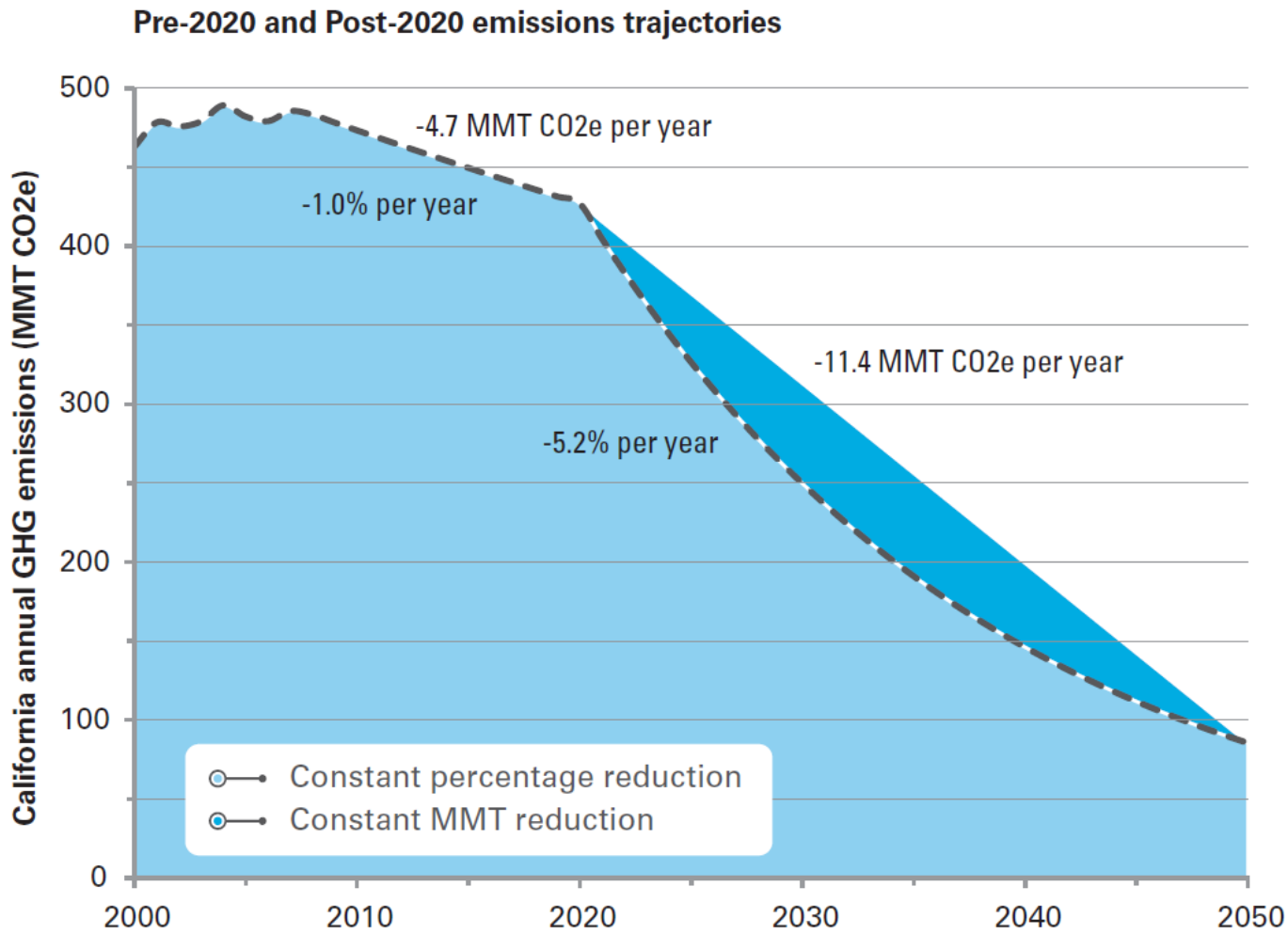


Source: California Department of Transportation, California Transportation Plan, Draft, March 2015

12 Western States Petroleum Association // wspa.org // @wspaprez



The Road to 2030: Cap & Trade



Source: California Air Resources Board, First Update to the Climate Change Scoping Plan, May 2014

The Road to 2030: Cap & Trade

“The Cap-and-Trade Program is a vital component in achieving both California’s near-and long-term GHG emissions targets.

California’s Cap-and-Trade Regulation is purposely designed to leverage the power of the market in pursuit of an environmental goal. It opens the door for major investment in emission-reducing technologies and sends a clear economic signal that these investments will be rewarded.”

May 2014



First Update to the

Climate Change Scoping Plan

BUILDING ON THE FRAMEWORK

PURSUANT TO AB 32

THE CALIFORNIA GLOBAL WARMING

SOLUTIONS ACT OF 2006