



Benicia Refinery Crude-By-Rail Infrastructure Project



City of Benicia Planning Commission
July 10, 2014

Agenda

- Project overview – Key Points
- Benefits of the proposed Crude-By-Rail Project
- Benicia Refinery environmental performance
- Valero as a member of the Community
- Refinery safety
- Questions



Benicia Refinery Crude-by-Rail Project

Project Overview

- The Crude by Rail Project is a logistics project. It enables Valero to have an alternative means by which the Refinery can receive crude oil feedstock.
- This project will not require a change in refinery process operations.
- This project has the environmental benefit of lowering annual emissions including a reduction in greenhouse gases.
- This project will provide flexibility to reduce the import of foreign crudes, increase the use of domestic crude oil.

Benefits of Crude-by-Rail

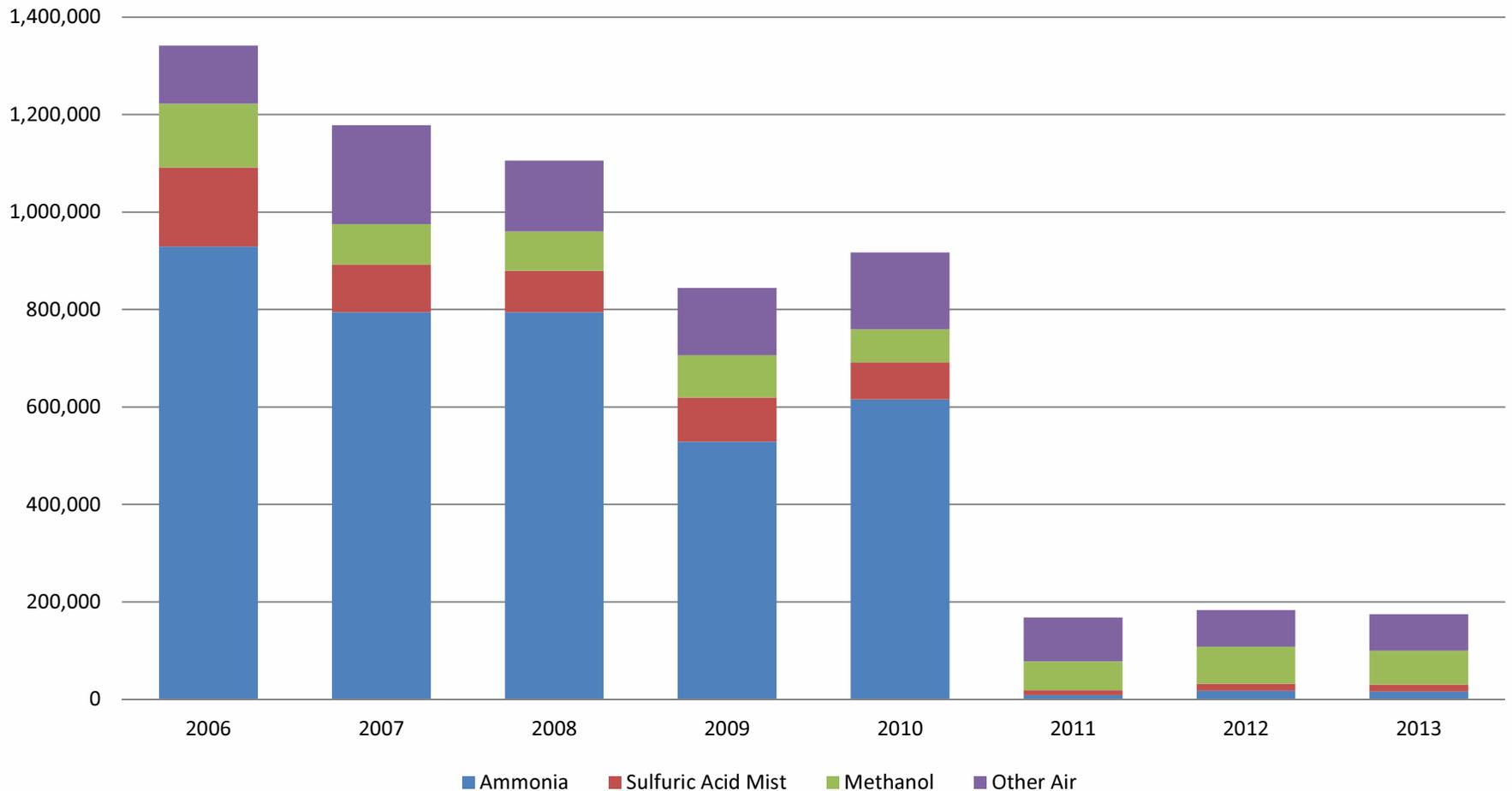
- Emissions from crude carriers are reduced
 - Local Air Basin emissions are reduced (in tons/year): ROG: -1.6, NO_x: -58.5, CO: -5.1, SO_x: -26.7, PM₁₀ : -2.75 & PM_{2.5} :-2.59 (Table 4.1-5)
 - Annual Greenhouse gas reduction: -225,825 metric tons CO₂e (Table 4.6-7)
- Reduces risk of maritime oil spill
 - By rail: once in 111 years;
 - by ship: reduced from once in 37.5 years to once in 208 years (Page 4.7-18)
- Creates 20 full-time jobs
- Provides flexibility to remain competitive





Valero Environmental Performance

TRI Air Emissions



The project will not jeopardize the emissions reduction benefits already received



A Valued Member of the Community

- Annual taxes and fees make up 25% of Benicia's General Fund Revenues
- Employs 450 employees and 250 contractors
- \$3 billion in economic activity since 2006
- 3,900 Bay area jobs created or supported by Valero's activity
- \$13.7 million to local charities in last decade
- Produces "10 percent of the clean-burning California Air Resources Board (CARB) gasoline used in California, and 25 percent of the CARB gasoline used in the San Francisco Bay Area."

Refinery Safety

- Accident prevention is a top priority
- Emergency preparedness plans are in place
- Resources and equipment are available
- Mutual Aid Plans
- Emergency Response coordination and training continues

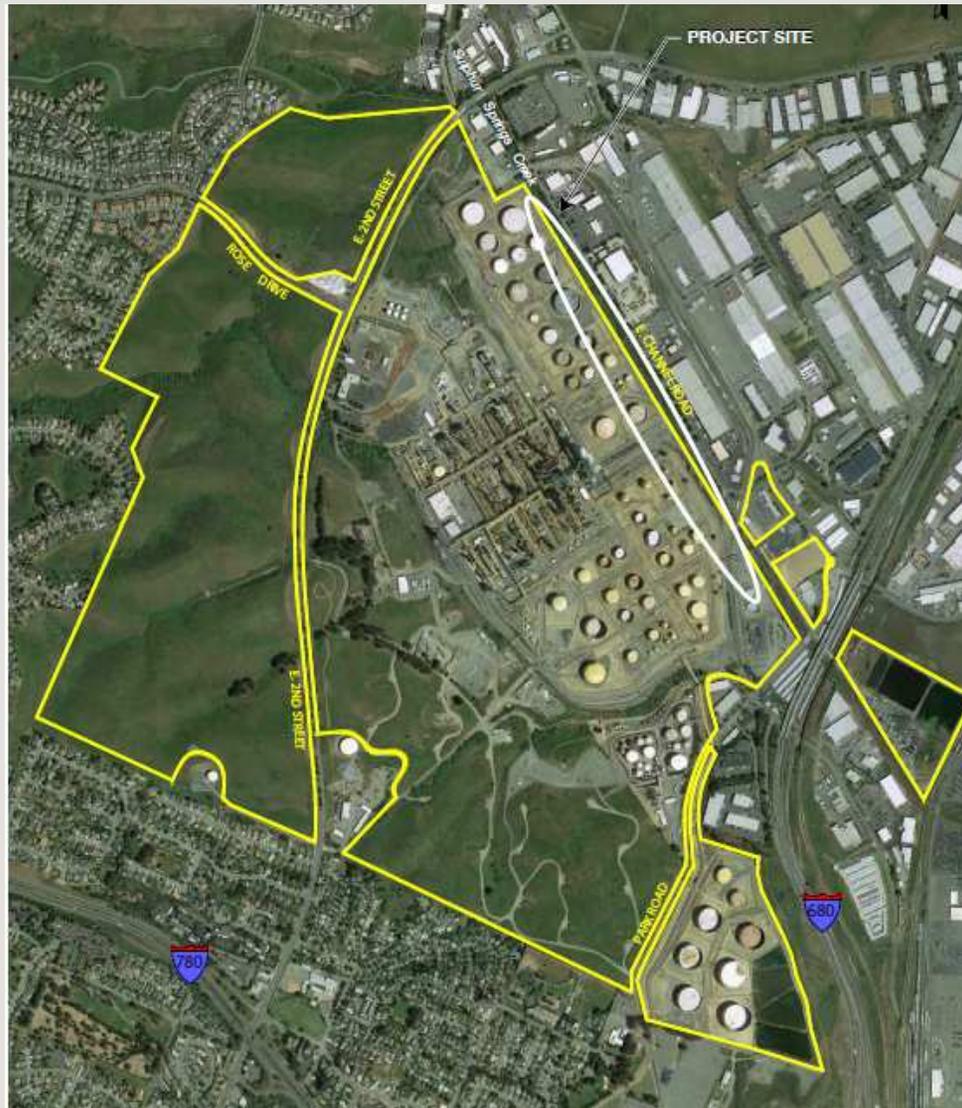


Questions?



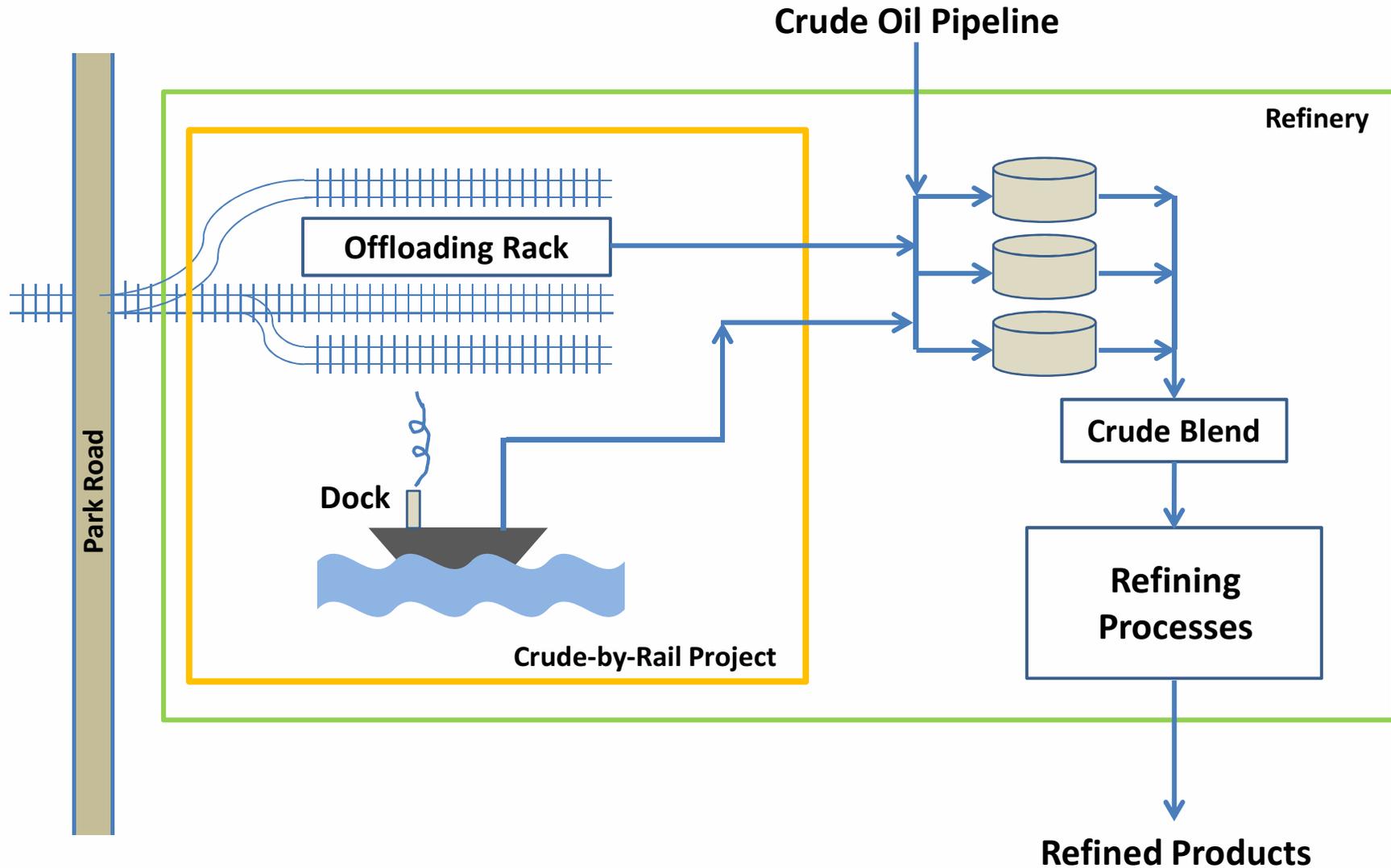
Appendix

Project Location





Valero Benicia Refinery Rail Project



Feedstock Profile

