

Riverside Refining, LLC

Refining Shale Oil Into
Ultra-Low Sulfur Products

Project Overview

- **Planned barrels processed-** 25,000+/day, 8.7 million +/-year
- **Unit Train Crude Receipts-** Approximately 10 unit trains per month (one every 3 days)
- **Oil Supply-** light sweet crude from the Bakken Shale oilfield
- **Refinery Location-** Port of Longview, Washington State
- **Planned output-** 50% ULS diesel, 30% gasoline and 20% jet fuel/kerosene
- **Primary Target Markets-** Regional use
- **Secondary Target Market-** California for ULS and LCA compliant fuel
- **Construction Employment-** 400+ construction jobs
- **Permanent Employment-** 150+ direct jobs with an average wage of \$75,000/year

Crude and Refined Product Logistics



Bakken

Crude delivery by rail

Site

Refinery on West Coast

- Crude moves by rail to refinery
- Refined products move to market by water

US Dept of State Geographer
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Data SIO, NOAA, U.S. Navy, NGA, GEBCO

40°16'30.64" N 100°42'09.47" W elev 3060 ft eye

Port of Longview- 56 acres

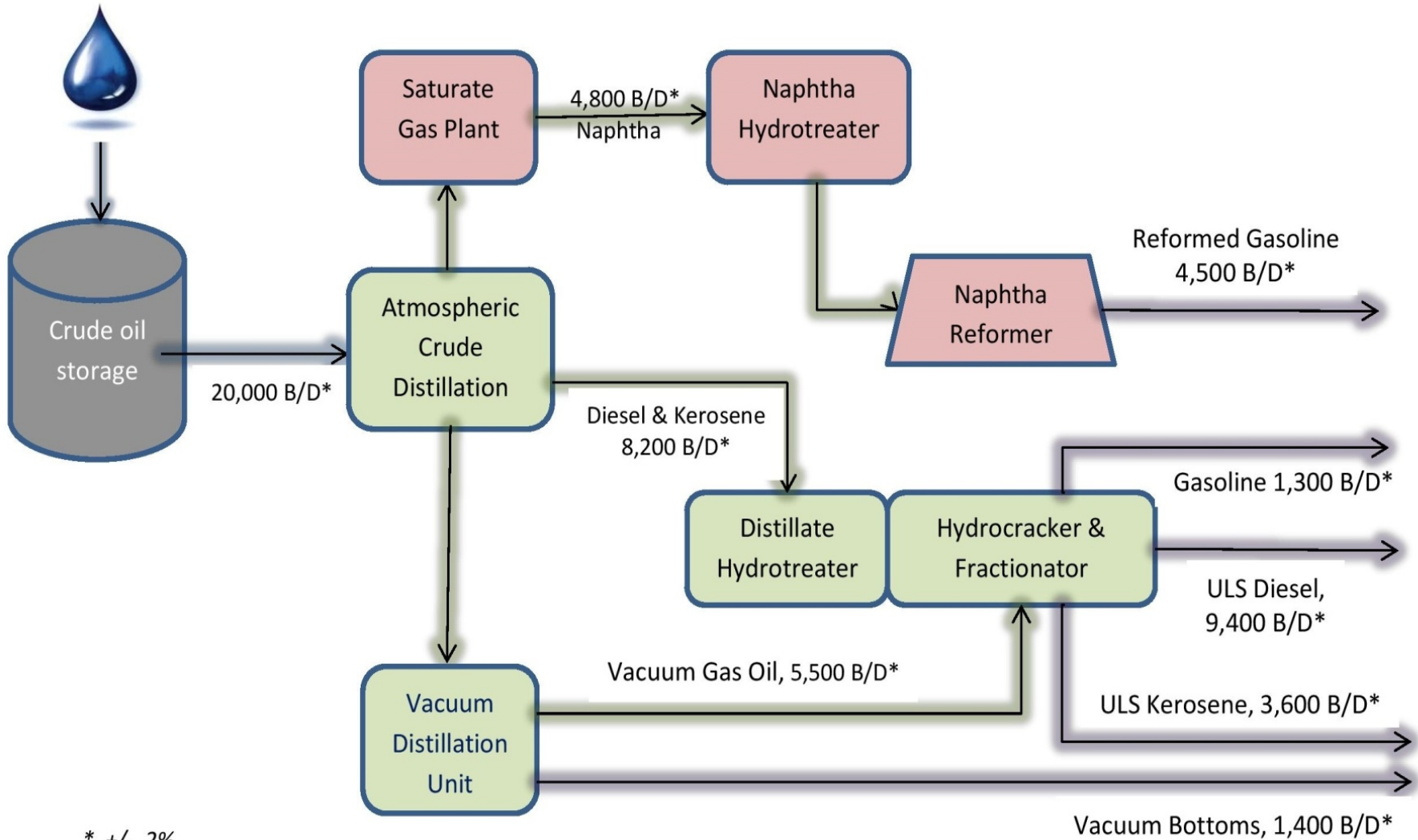


Refinery Technology Overview

- Optimized to process Bakken and similar light sweet crudes into distillates
- Using Best Available Control Technologies (BACT) and state-of-the-art processing technology the refinery will have a lower carbon footprint than existing West Coast refineries
- Main processing units will be fabricated off-site and moved by water to the Port for installation
- Refinery processing units will occupy approximately 10 acres.

Refinery Technology/Processes (20,000 BPD)

Bakken Crude Oil



* +/- 2%

Project Team Members

- **Riverside Energy-** Project owner and developer
 - Lou Soumas-CEO, 25 years experience building successful business in a variety of industries. Energy developer since 2006. Extensive Washington State experience
 - Chris Efird-Chairman, 20 years experience financing major industrial projects with extensive energy industry connections and experience
 - Damon Pistulka-SVP, 25 years of building and operating industrial facilities
- **HQC (Petro China subsidiary)-** Technology provider and EPC
 - International design and engineering firm with 4,000 employees worldwide
- **Trico-** Project Construction Manager
 - Washington based private industrial contracting firm with extensive energy related experience

Project Team Members, continued

- **Port of Longview-** Site partner
 - Established operating port with highly qualified operating staff and extensive experience in managing large scale industrial projects involving commodities and logistics.
- **Ventech-** Technology provider
 - U.S. based design, engineering and fabrication firm specializing in crude oil refineries under 50,000 BPD
- **Undisclosed** (request nondisclosure at this time)- Crude supply and logistics partner
 - Extensive experience in sourcing and transporting crude in North America
- **3rd Party Consultants-**
 - Riverside has retained Northwest based consultants to provide Public Relations, Engineering, Permitting and other project related services