

PETROCHEMICAL PROFITABILITY =

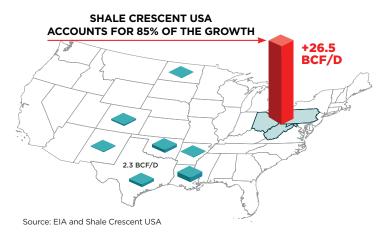
Build on top of the feedstock



Build in the center of customers



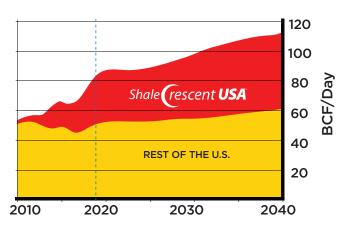
GROWTH IN MARKETED NATURAL GAS PRODUCTION 2008-2018



Shale Crescent USA:

- #1 U.S. Natural Gas Producing Basin
- #1 U.S. Natural Gas Producer
- #1 U.S. NGL Producer
- Now Produces More
 Natural Gas Than Texas

NATURAL GAS PRODUCTION



*Source: IHS Markit

PROJECTED U.S. NATURAL GAS GROWTH

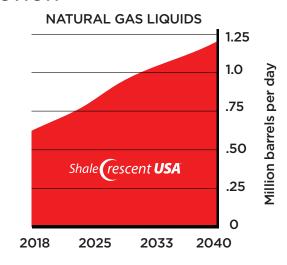
Shale Crescent USA:

- Currently accounts for 32% of total U.S. Natural Gas Production
- Will account for 45% of total U.S. Natural Gas production by 2040
- If Shale Crescent USA were a country, it would be the third largest Natural Gas producing country in the world

NATURAL GAS LIQUIDS PRODUCTION

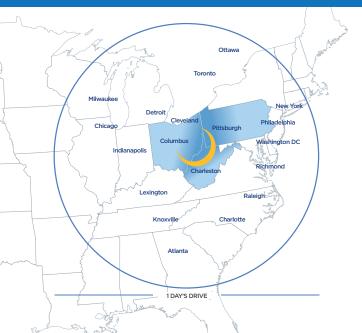
Shale Crescent USA:

- NGL production will increase from 0.60 million barrels per day in 2018 to 1.17 million b/d in 2040*
- Is forecasted (by 2040) to produce as much NGLs as the entire U.S. produced in 2008
- Ethane production is forecasted to increase from 0.2 to over 0.7 million b/d, contributing about 25% of the total



*Source: IHS Markit

Petrochemical Profitability = Build on top of the feedstock + Build in the center of customers



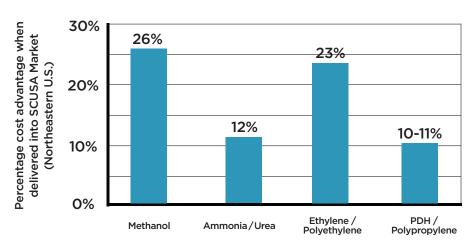
MARKET PROXIMITY

- **50**% of the U.S. Population is within a day's drive
- 70% of North American Polyethylene demand is within a day's drive*
- 77% of North American Polypropylene demand is within a day's drive*

*Source: IHS Markit

Petrochemical Profitability = Build on top of the feedstock + Build in the center of customers

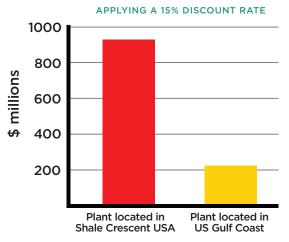
SHALE CRESCENT USA COST ADVANTAGE VS. U.S. GULF COAST



*Source: IHS Markit

Petrochemical Profitability = Build on top of the feedstock + Build in the center of customers

NET PRESENT VALUE IN 2020, SHALE CRESCENT USA VS GULF COAST



NPV15 is
4x higher
in the Shale
Crescent USA



ETHYLENE/POLYETHYLENE FACILITY

"If you want something new, you have to stop doing something old."

Peter Drucker

Considering an investment somewhere else? You might want to reconsider.

The world has changed and Shale Crescent USA is now the most profitable region to build a petrochemical plant.

Powerful research data to drive profitability and growth.
Interested in learning more? Contact us.

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