







U.S. Economic Stages

- Agrarian
- Industrial
- Service
- Information
- Imagination





What is the Imagination Economy?

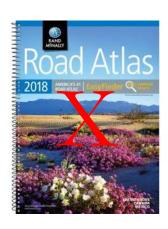
- Low barriers to entry
- Access to capital
- Entrepreneurship
- Best ideas win
- New ways of doing things replace old ways very quickly





Example





















Example -- Uber















Example -- Amazon

- Bookstores
- Music stores
- Electronics stores
- Grocers
- Retailers
- Shopping malls
- Sporting goods stores
- Cities lining up for Amazon HQ2





Other Examples

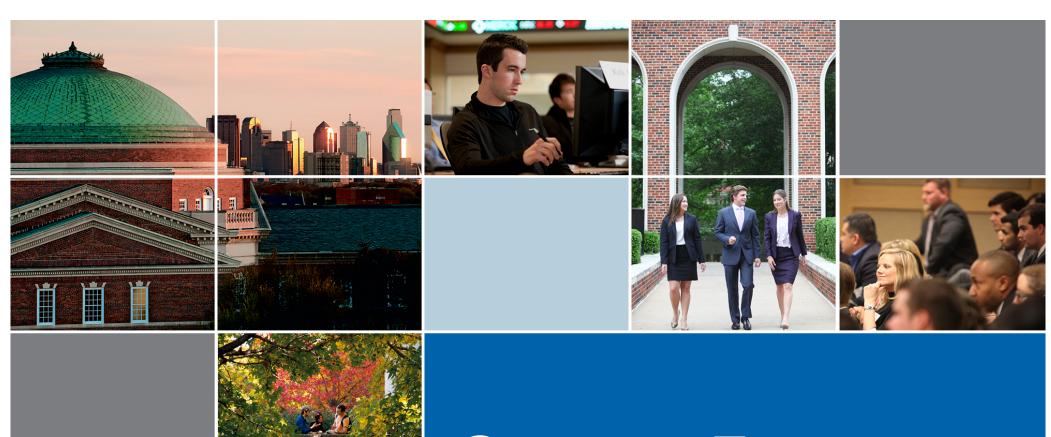
- AirBnB
- Shared Workspaces
- Gourmet Foodhalls
- Grocery Delivery





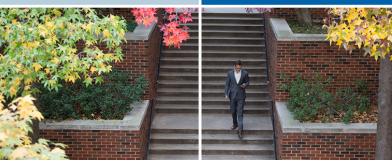
Amazon Style Creative Destruction Will Hit These Industries

- Oil and Gas
- Electricity Suppliers
- Manufacturing
- Residential Real Estate
- Higher Education
- Elementary and Secondary Education
- Government



Current Economic Conditions



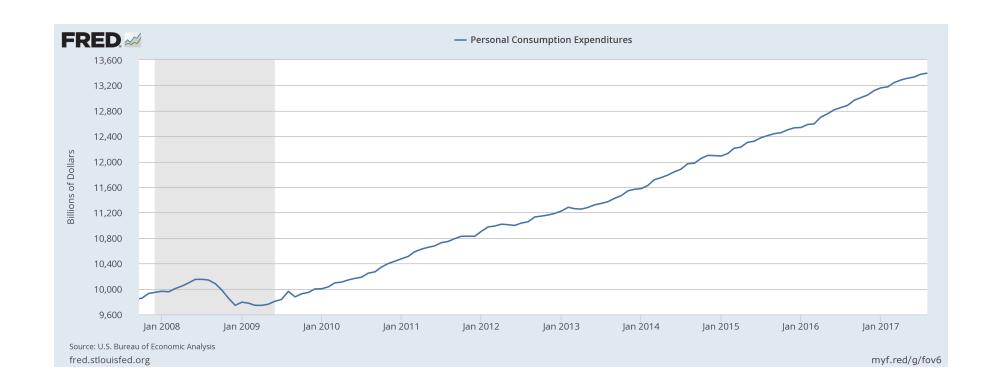








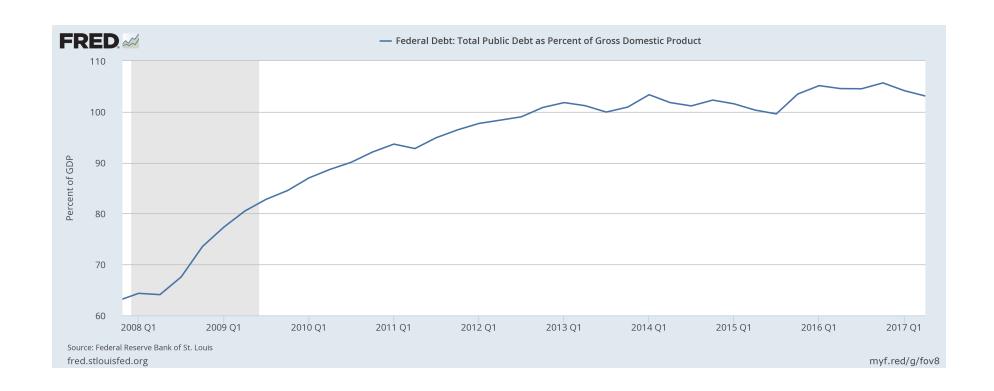
Consumption Continues to Rise







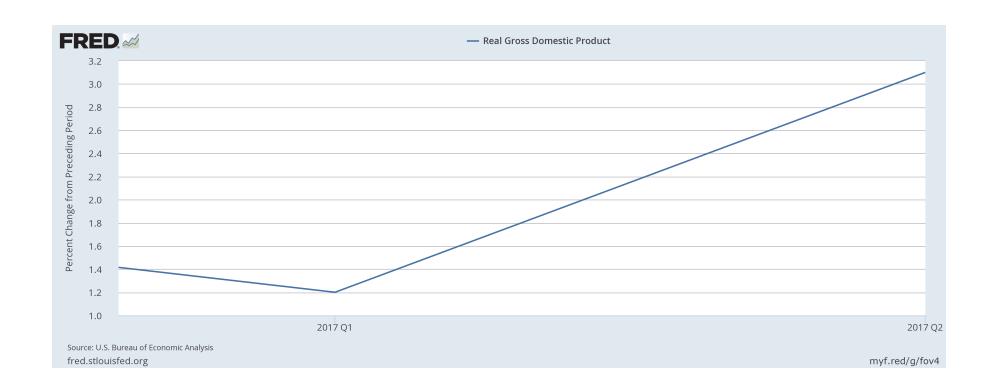
Debt as a % of GDP Declining







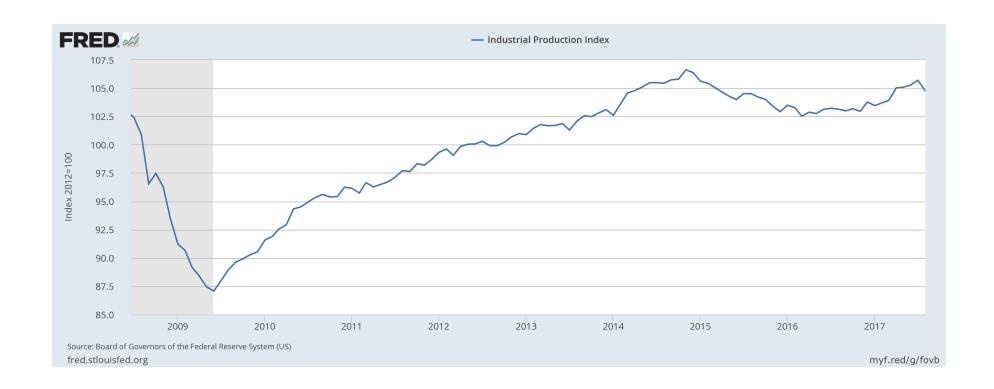
GDP Increasing As Expectations Have Risen







Industrial Production Headed Back Up







Unemployment Falling





in A Generation

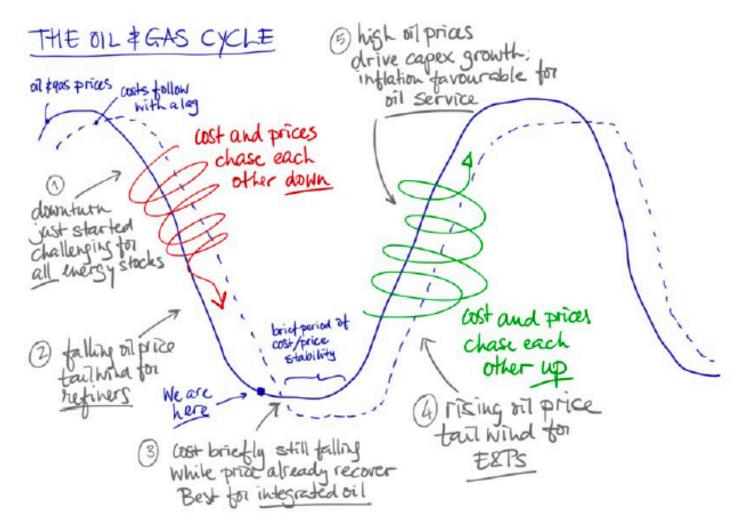








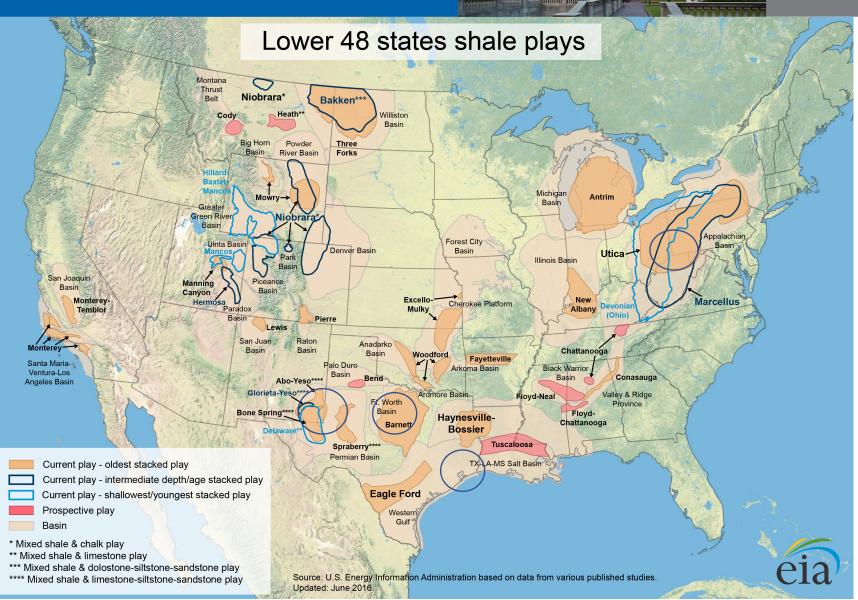




Source: Morgan Stanley Research



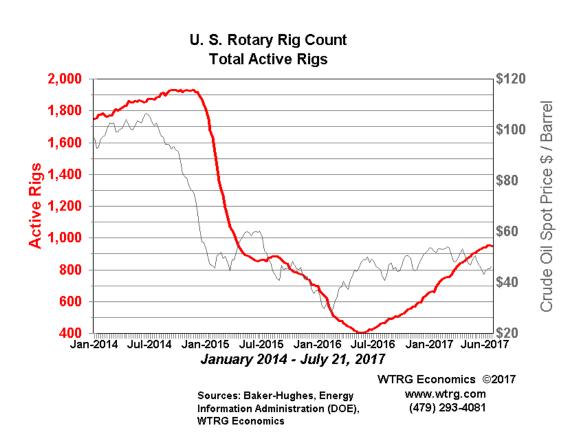








The Downturn - Rig Count and Price Plummeted







U.S. Oil Production is Recovering

Shale Be Coming Round the Mountain

U.S. crude oil production, thousand barrels a day



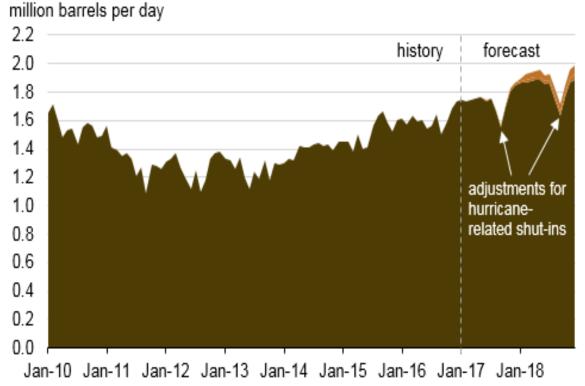
Source: Energy Information Administration THE WALL STREET JOURNAL





Offshore is Creeping Up as Well

Monthly oil production from U.S. Federal Gulf of Mexico



production from fields projected to start in 2017 and 2018

production from existing fields

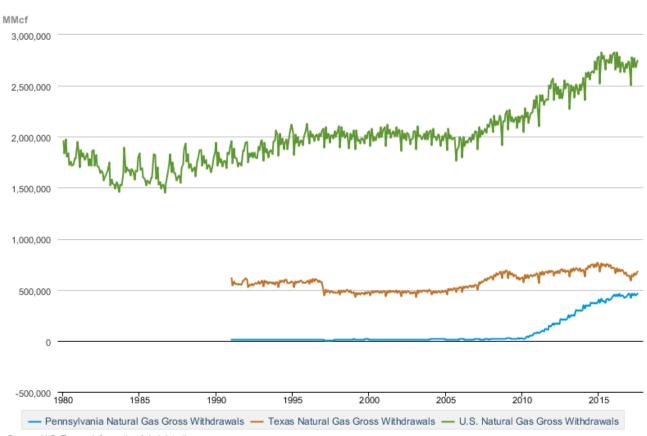






U.S. Gas Production

Natural Gas Gross Withdrawals and Production

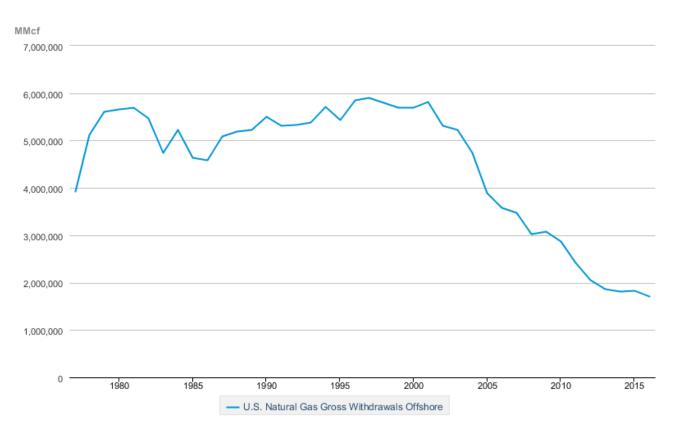






Offshore Declining

Offshore Gross Withdrawals of Natural Gas



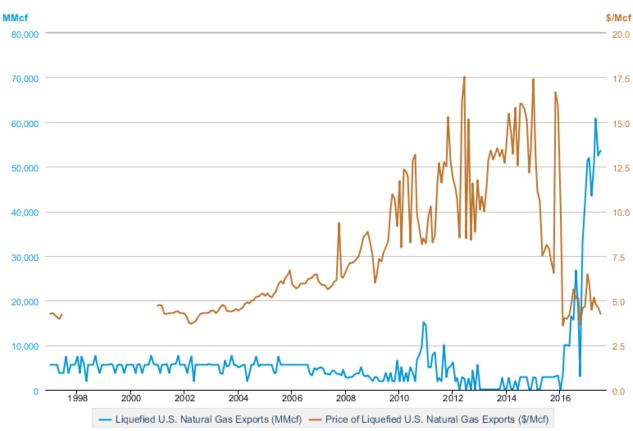






Exports Rising But Margin Compression

Natural Gas Summary

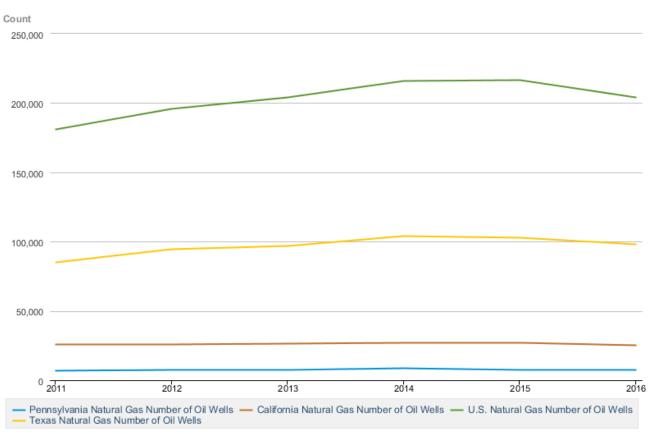






Number of Wells Declining

Number of Gas Producing Oil Wells

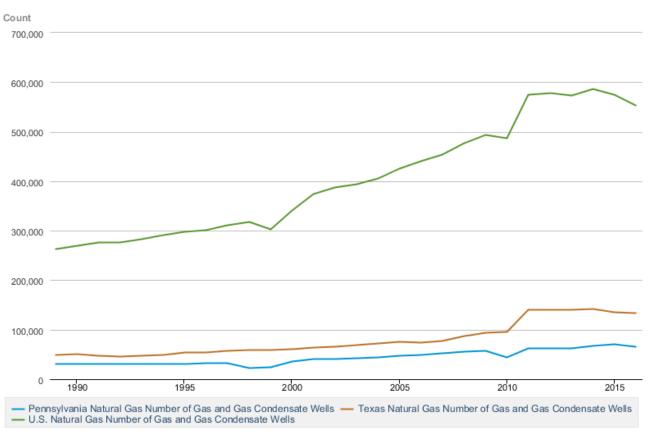






Number of Wells Declining

Number of Producing Gas Wells







How Many Will Be Built

North American LNG Import/Export Terminals

Approved



Import Terminals

U.S.

APPROVED - UNDER CONSTRUCTION - FERC

1. Corpus Christi, TX: 0.4 Bcfd (Cheniere – Corpus Christi LNG) (CP12-507)

APPROVED - NOT UNDER CONSTRUCTION - FERC

2. Salinas, PR: 0.6 Bcfd (Aguirre Offshore GasPort, LLC) (CP13-193)

APPROVED - NOT UNDER CONSTRUCTION - MARAD/Coast Guard

3. Gulf of Mexico: 1.0 Bcfd (Main Pass McMoRan Exp.)

4. Gulf of Mexico: 1.4 Bcfd (TORP Technology-Bienville LNG)

Export Terminals

U.S.

APPROVED - UNDER CONSTRUCTION - FERC

- 5. Sabine, LA: 0.7 Bcfd (Cheniere/Sabine Pass LNG) (CP11-72 & CP14-12)
- 6. Hackberry, LA: 2.1 Bcfd (Sempra-Cameron LNG) (CP13-25)
- Freeport, TX: 2.14 Bcfd (Freeport LNG Dev/Freeport LNG Expansion/FLNG Liquefaction) (CP12-509) (CP15-518)
- 8. Cove Point, MD: 0.82 Bcfd (Dominion–Cove Point LNG) (CP13-113)
- 9. Corpus Christi, TX: 2.14 Bcfd (Cheniere Corpus Christi LNG) (CP12-507)
- 10. Sabine Pass, LA: 1.40 Bcfd (Sabine Pass Liquefaction) (CP13-552) ★
- 11. Elba Island, GA: 0.35 Bcfd (Southern LNG Company) (CP14-103)

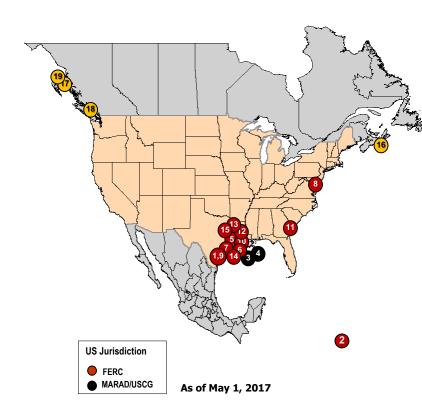
APPROVED - NOT UNDER CONSTRUCTION - FERC

- 12. Lake Charles, LA: 2.2 Bcfd (Southern Union Lake Charles LNG) (CP14-120)
- 13. Lake Charles, LA: 1.08 Bcfd (Magnolia LNG) (CP14-347)
- 14. Hackberry, LA: 1.41 Bcfd (Sempra Cameron LNG) (CP15-560)
- 15. Sabine Pass, TX: 2.1 Bcfd (ExxonMobil Golden Pass) (CP14-517)

Canada

APPROVED - NOT UNDER CONSTRUCTION

- 16. Port Hawkesbury, NS: 0.5 Bcfd (Bear Head LNG)
- 17. Kitimat. BC: 3.23 Bcfd (LNG Canada)
- 18. Squamish, BC: 0.29 Bcfd (Woodfibre LNG Ltd)
- 19. Prince Rupert Island, BC: 2.74 Bcfd (Pacific Northwest LNG)
- ★ Trains 5 & 6 with Train 5 under construction

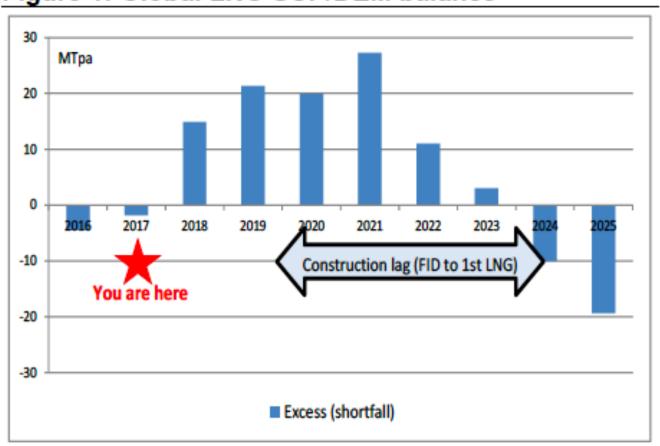






Oversupply on the Horizon

Figure 1: Global LNG SUP/DEM balance

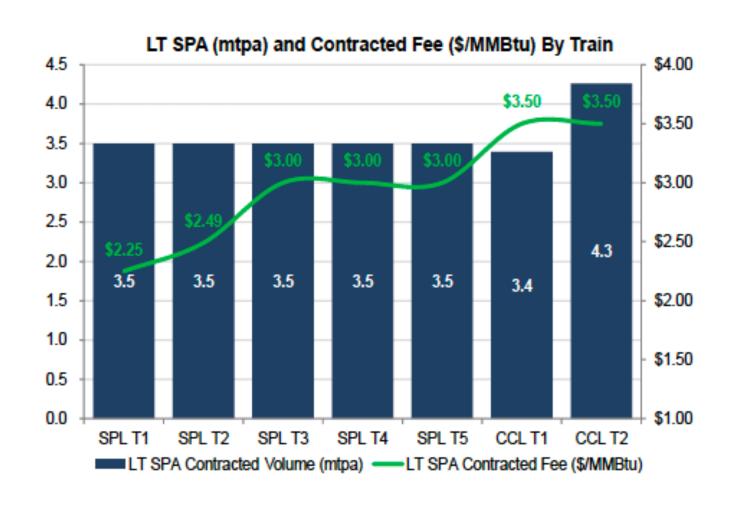


Source: Credit Suisse estimates





Sabine Pass



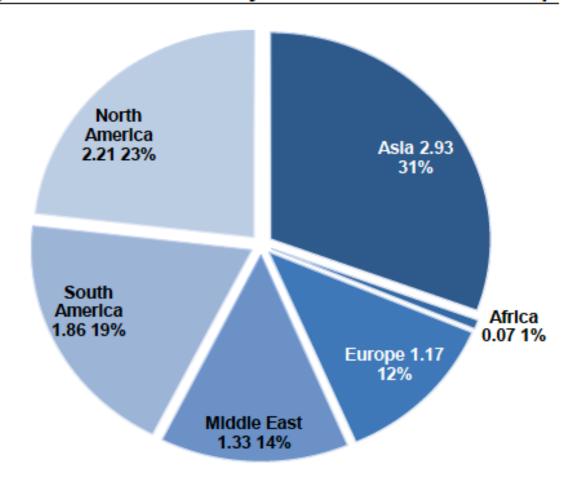
Source: Cheniere, Credit Suisse research





Sabine Pass Destination

Figure 16: Sabine Pass by destination since start-up

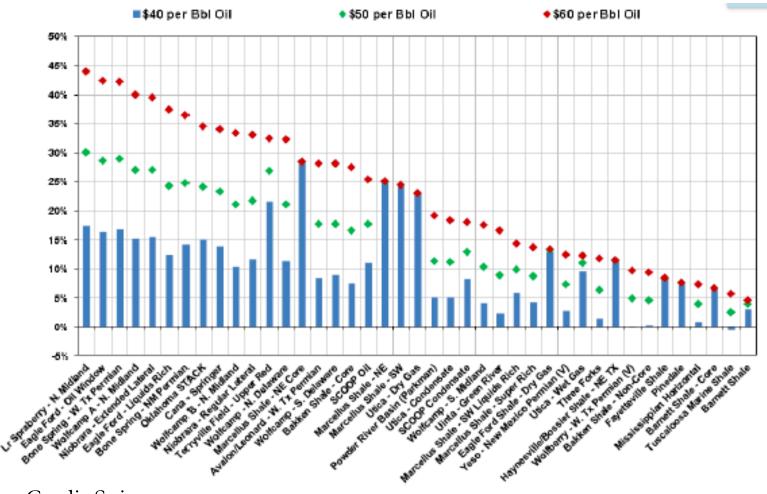


Source: Cheniere, Credit Suisse research





High Returns Despite Lower Oil Prices



Source: Credit Suisse





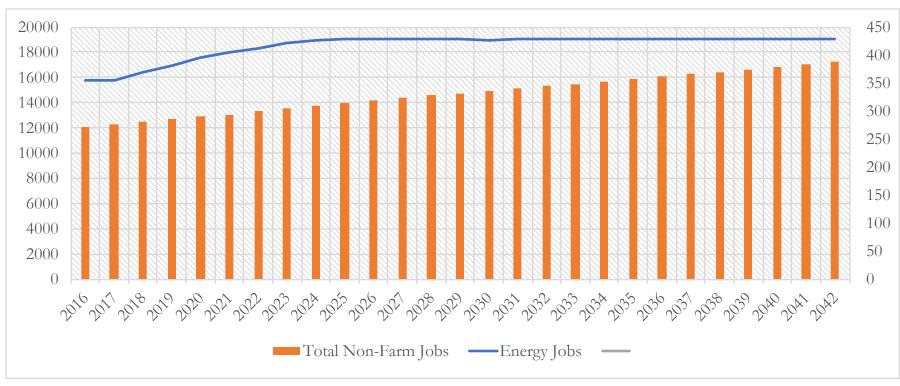
Outlook

- Priced @\$3.00 mcf
- Storage below 5 year running average
- Rig count flat at best
- Futures market showing \$3.25 this winter
- Export market should grow margins may compress but we have a good cost position.





New Jobs are Forecasted to Grow for the Next Decade, Even at Current Prices

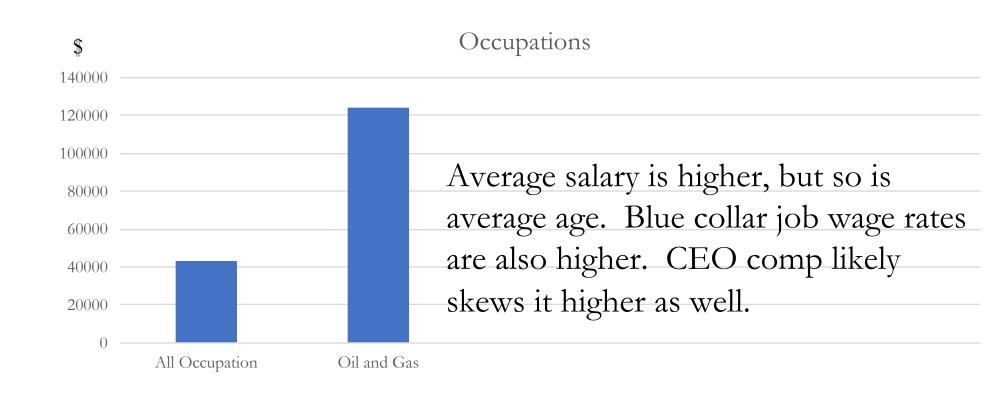


Source: Bureau of Labor Statistics





Texas Oil and Gas Wages Remain High







National Direct and Indirect Economic Contribution

Jobs \$10.3 Million Labor Income \$714 Billion

Economic Output \$1.3T



Source: PWC



Thank You bbullock@smu.edu



