PCIC

Pennsylvania Chemical Industry Council
Your Advocate for the Business of Chemistry

Pennsylvania chemistry...

At **$22.2B**, is the **4th largest** manufacturing industry in the state

Makes Pennsylvania the **10th largest** chemistry producing state

Provides **41,300** direct jobs and another **50,000** related jobs

Generates **$3.7B in payroll**

Has an average wage of **$88,660**, **57% higher** than the average manufacturing wage

Generates **$237M** in state & local taxes, and **$807M** in federal taxes

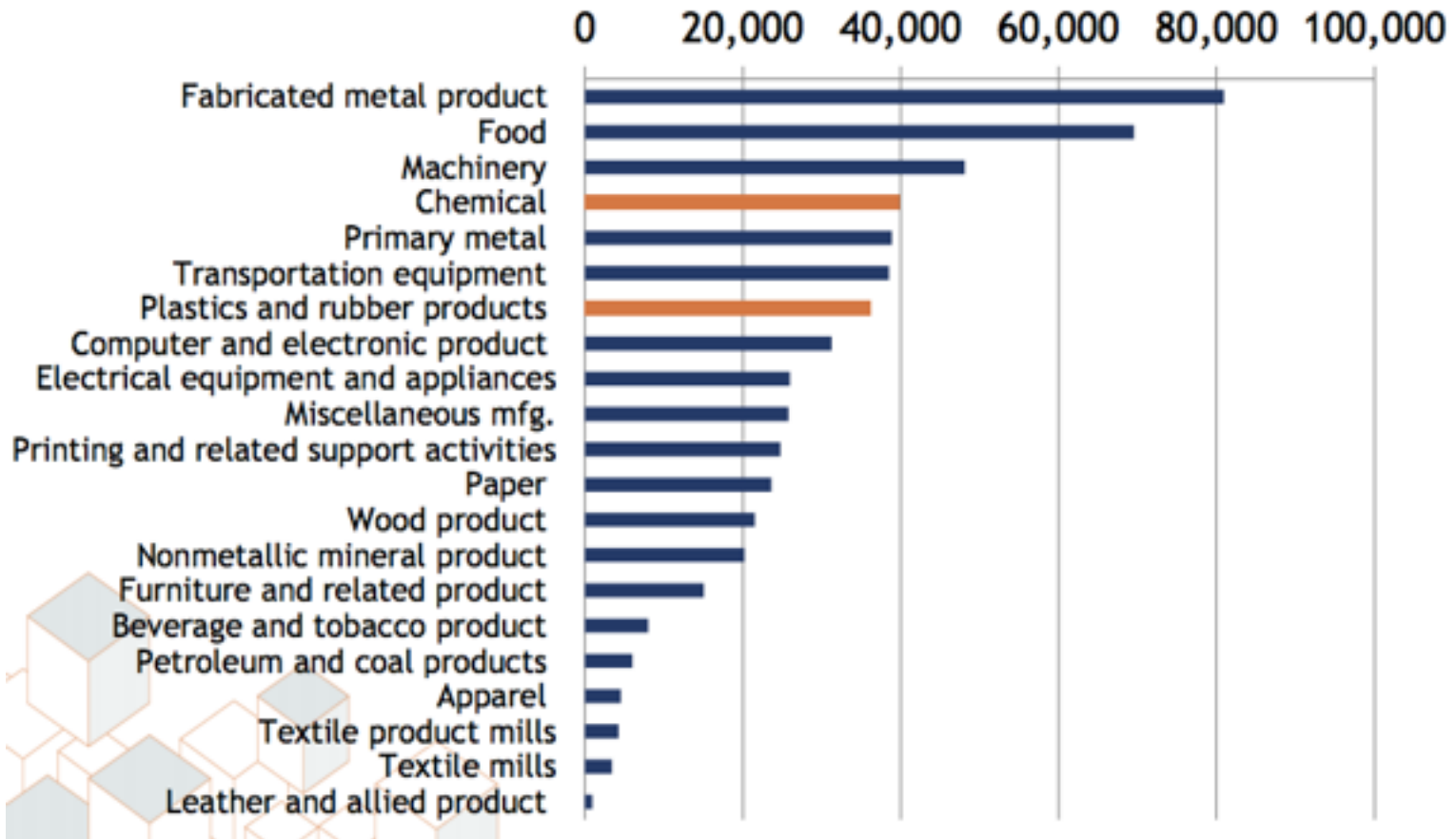**Invests $943M** to build & update equipment and facilities

Ships $7.8B in products to customers around the world

Generates an additional **35,100 jobs** in plastics & rubber products

Manufacturing Jobs Pennsylvania
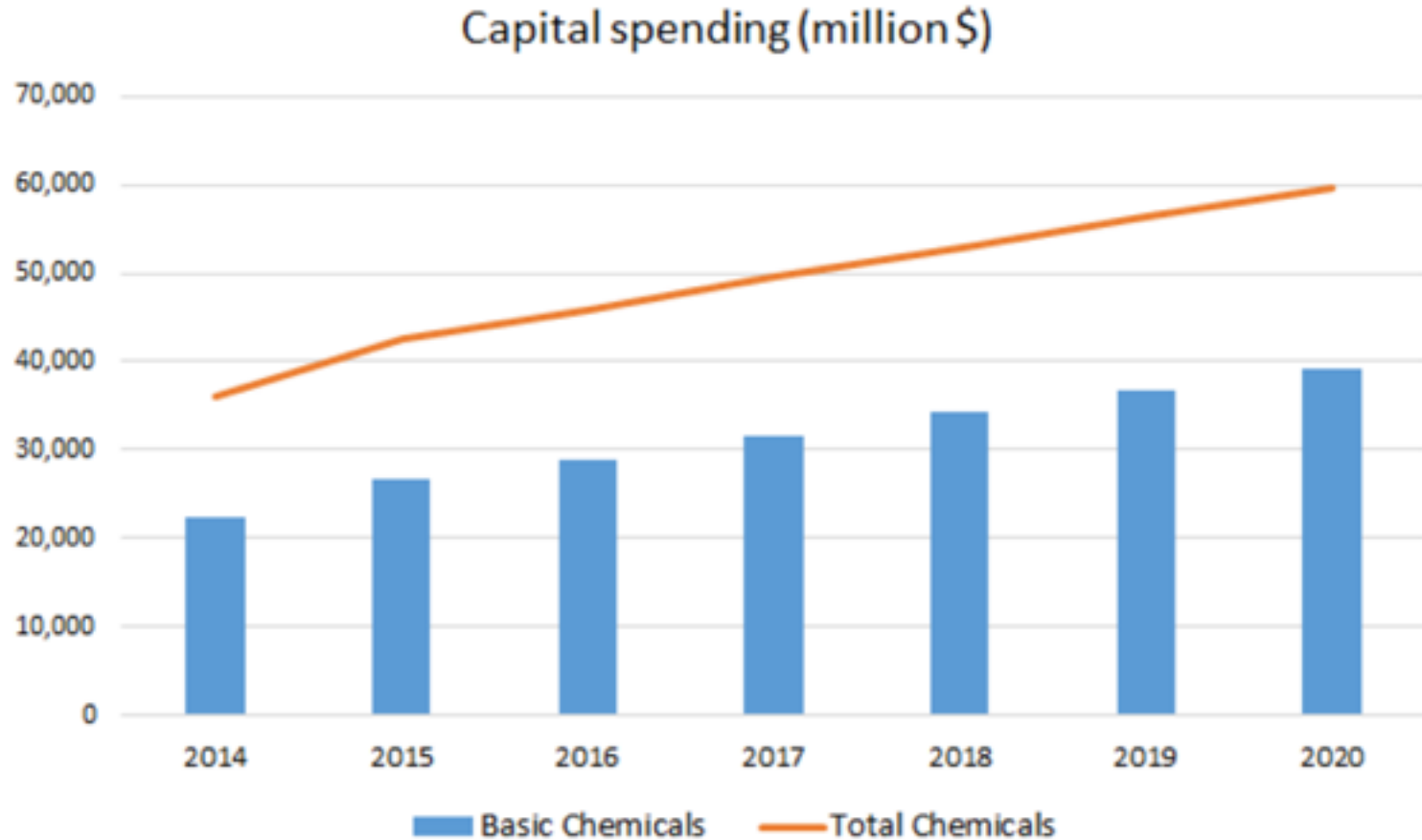
Pennsylvania Member Companies

Petrochemical

Braskem
Monroe
Philadelphia Energy
Solutions
Shell
Sunoco

Chemical

Ashland
BASF
Covestro
Dow
DuPont
Eastman
Nova
Pressure
Quaker

US Chemical Capex to Rise Over 7% per year in 2016-2018

Capital spending (million $)

Planned New Ethane Crackers

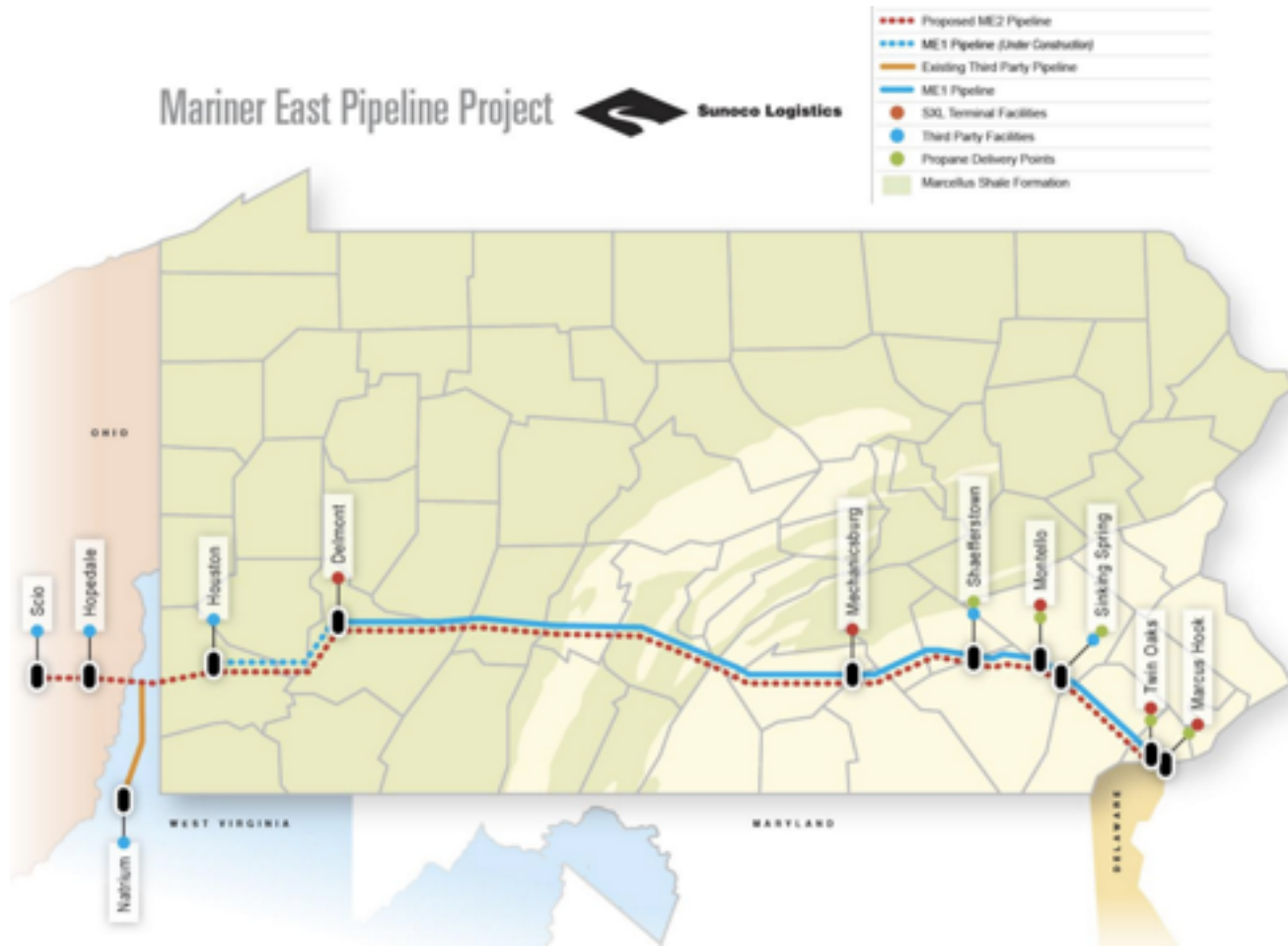| Company	Capacity (Tons)	Location	Announced Start Up
Sasol	1500000	Louisiana	2018-2019
ExxonMobil	1500000	Texas	2017
Chevron Phillips	1500000	Texas	2017
Dow Chemical	1500000	Texas	2017
Formosa	1200000	Texas	2017
Oxychem/Mexichem	544000	Texas	2017
Axiall/Lotte	1000000	Louisiana	2018
Formosa	1590000	Louisiana	N/A
Total	1000000	Texas	2019
Braskem	1100000	West Virginia	N/A
Shin-Etsu	500000	Louisiana	N/A
Williams	1500000	Louisiana	N/A
PTT/Marubeni	1000000	Ohio	2024
Odebrecht/Braskem	1000000		On Hold
Appalachian Resins	275000	Monroe County, Ohio	On Hold
Badlands/Vinmar	1500000	North Dakota	N/A
Aither Chemicals	272000	Charleston, West Virginia	N/A
Shell	1500000	Pennsylvania	N/A

Source: Petrochemical Update

Shell Ethane Cracker

Sunoco Logistics Mariner East 1&2

Philadelphia Energy Solutions

Regional Utilization

- Leverage Basic Building Blocks
- Capital Investment Incentives
- Trained Workforce
- Infrastructure
- Long Term Value Added Jobs

Questions?