



ECONOMIC IMPACT ANALYSIS:

NATURAL GAS SYNTHESIS MANUFACTURING PLANTS

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OVERVIEW

- Overview of projects
- Upfront investment
- Direct, indirect, and induced jobs during construction of plants
- Direct, indirect, and induced jobs once completed
- Overall economic impact of projects
- Legislative Update

OVERVIEW OF PROJECTS

Natural Gas Synthesis Plants

Clinton County

nitrogenous fertilizer manufacturing

ammonia: petrochemicals, life sciences, fertilizer
urea: fertilizer and diesel exhaust fluid

Luzerne County

other basic organic chemical manufacturing

methanol: antifreeze, solvent, fuel, feedstock for biodiesel



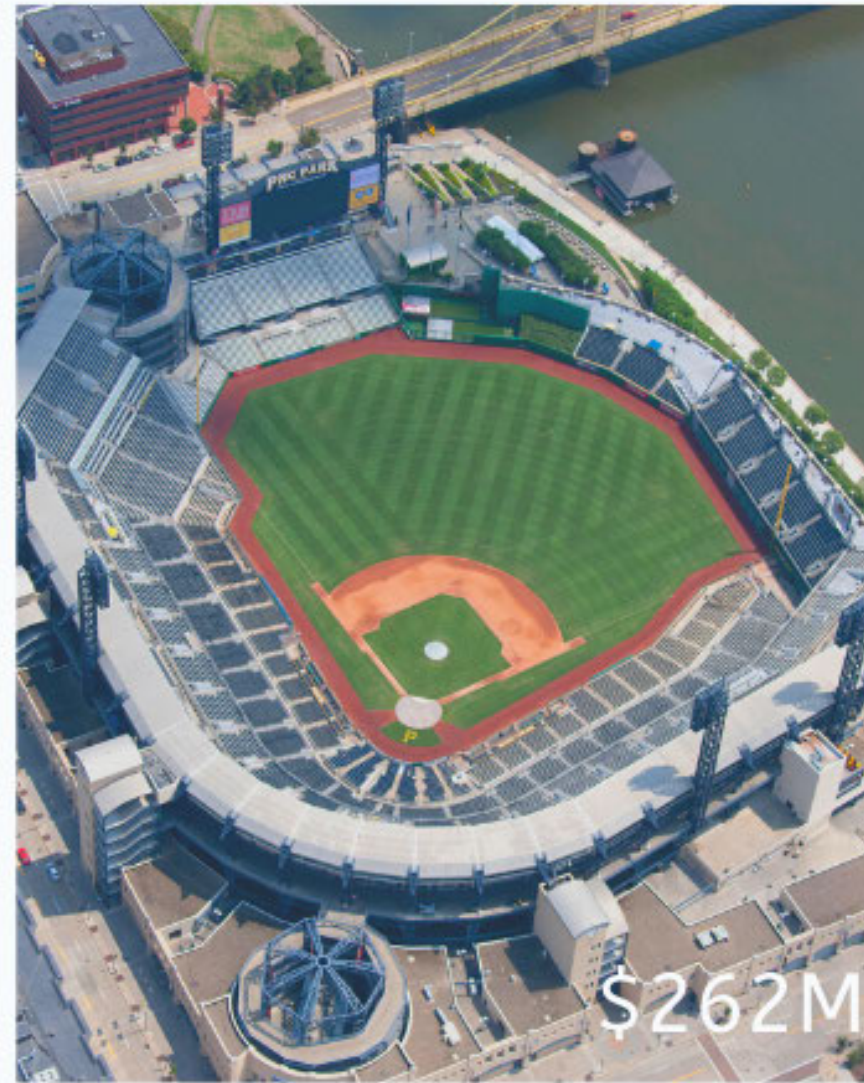
full report: www.pamanufacturers.org/nepanatgas

THE UPFRONT CAPITAL INVESTMENT TO
BUILD TWO NATURAL GAS SYNTHESIS
PLANTS IN PA TOTALS:

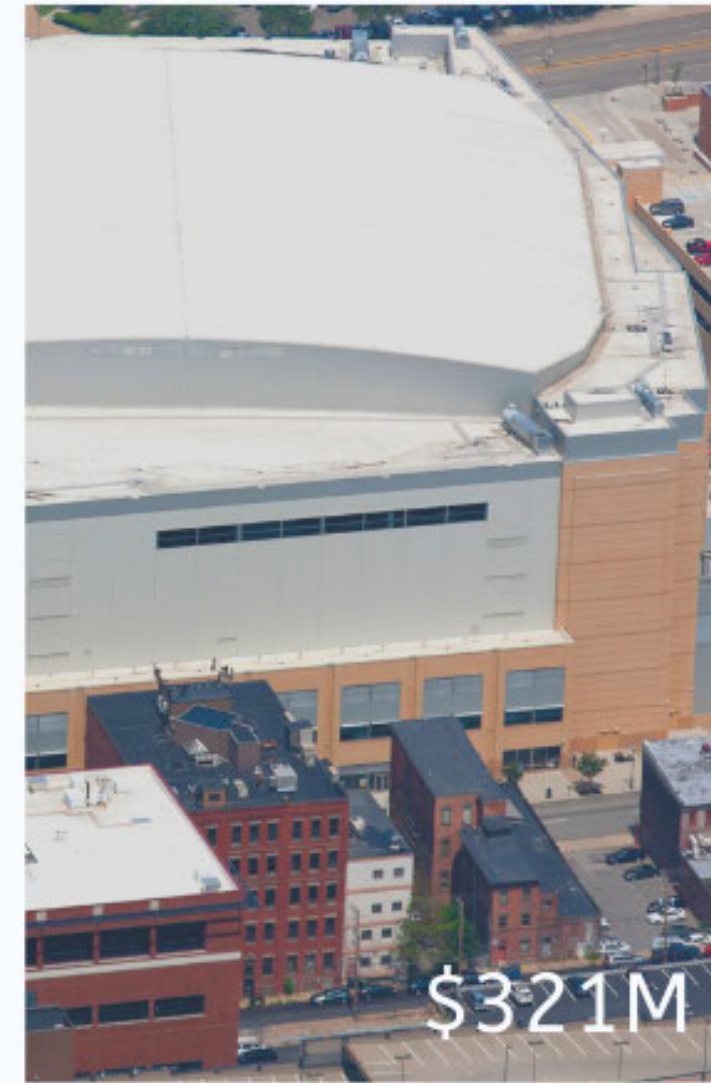
\$954 MILLION



\$281M



\$262M



\$321M

More than Heinz Field, PPG Paints Arena, and PNC Park **COMBINED.**

more information at: www.pamanufacturers.org/nepanatgas

CONSTRUCTION OF PLANTS

DIRECT JOBS

Constructing two natural gas synthesis plants:

1,600 "construction of manufacturing plant jobs"

CONSTRUCTION OF PLANTS

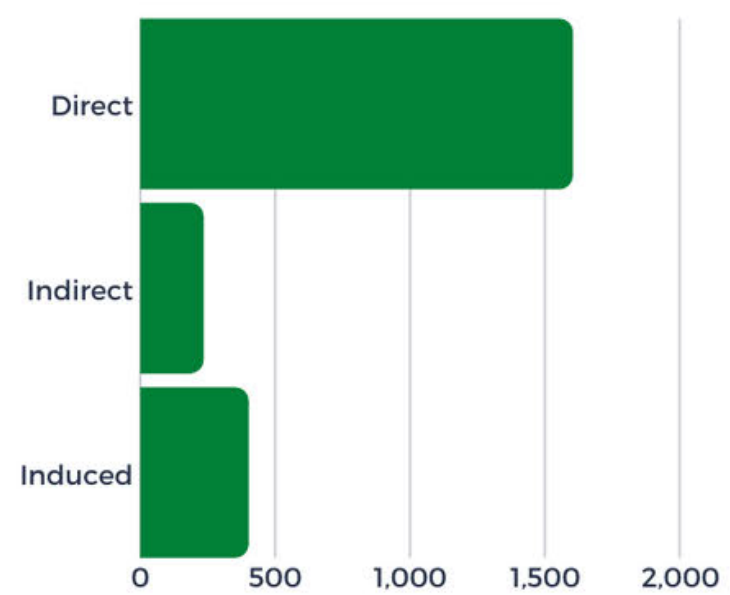
629 indirect and induced jobs

These 629 jobs include accounting, hospital, mining, truck transportation, restaurant, retail, landscape, and many more jobs spurred by this economic activity.





Economic Impact: construction of plants



JOBS: CONSTRUCTION OF PLANTS

The direct, indirect, and induced jobs created by the construction of the plants accounts for **2,229 jobs**, **\$301.7 million in labor income**, **\$409.6 million in value added**, and **\$812 million in total economic output** over the 30 months of construction completion.



full report: www.pamanufacturers.org/nepanatgas

MANUFACTURING/NAT GAS STAFFING - COMPLETION

DIRECT JOBS

Each plant will require:

- **125** natural gas synthesis manufacturing jobs
- **25** oil and gas well drilling and maintenance jobs
 - **300 total direct jobs**

COMPLETION OF PLANTS

717 indirect and induced jobs

These 717 jobs include natural gas distribution, truck transportation, warehousing, restaurant, hospital, retail, rail transportation, pipeline transportation, legal service, and many more jobs spurred by this core manufacturing activity.

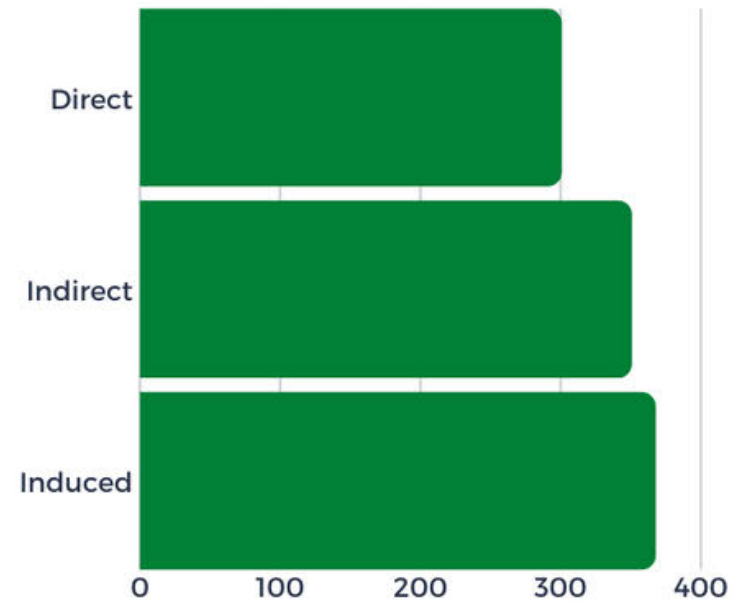




Economic Impact: manufacturing & OG jobs

JOBS: SUSTAINED MANUFACTURING ACTIVITY

The direct, indirect, and induced jobs created by the sustained manufacturing activity accounts for **1,017 jobs**, **\$119.1 million in labor income**, **\$185.7 million in value added**, spurring **\$524.5 million in total economic output**, per year,



full report: www.pamanufacturers.org/nepanatgas

“Based on the results, it’s clear that these projects would be transformative to northeast Pennsylvania, and the commonwealth as a whole. Entire economies are centered around this type of economic activity and will sustain regions for generations to come. Attracting and retaining natural gas synthesis manufacturing ought to be a priority of policymakers at the state and federal level to ensure this prosperity occurs in our commonwealth as opposed to a competitor state.”

DAVID N. TAYLOR, PRESIDENT & CEO - PMA



full report: www.pamanufacturers.org/nepanatgas

OVERALL ECONOMIC IMPACT



\$954 Million
initial investment



2,229
direct, indirect, induced
jobs during construction



1,017
direct, indirect, induced
jobs upon completion



\$1.6 Billion
Total economic output in
over 4 years



full report: www.pamanufacturers.org/nepanatgas

LEGISLATIVE UPDATE

HOUSE BILL 1100

Pennsylvania-focused, production based tax incentive for methane gas manufacturing.

PASSED PA SENATE

39-11, February 4, 2020

CONCURRED IN PA HOUSE

157-35, February 4, 2020

VETOED BY GOVERNOR WOLF

March 27, 2020

"House Bill 1100 was passed with overwhelming, bipartisan support in the General Assembly, was supported by both business and labor, and balanced environmental and industrial needs. This bill meant high-paying jobs for Pennsylvania's skilled tradesmen and workers at a time of great economic crisis. We are deeply disappointed in Governor Wolf's decision to veto this important legislation."

DAVID N. TAYLOR
PRESIDENT & CEO - PMA



NEXT STEPS



LEARN

...more about these industries and their impact on the economy



PROMOTE

...Pennsylvania as a location for natural gas synthesis manufacturing



ADVOCATE

...for state lawmakers to embrace natural gas synthesis manufacturing opportunities



OVERRIDE

...Governor Wolf's veto with a 2/3 majority in both the PA House and PA Senate



Let's Talk!

Reach out with questions
or to learn more...

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