

# Michigan's Oil and Natural Gas Producers

Helping Power Michigan's Future Since 1925

# First Discovery

## Deindorfer Woods, Saginaw

- ▶ August 27, 1925
- ▶ Michigan's first commercial oilfield
- ▶ Well #1 produced 22 barrels of crude oil a day



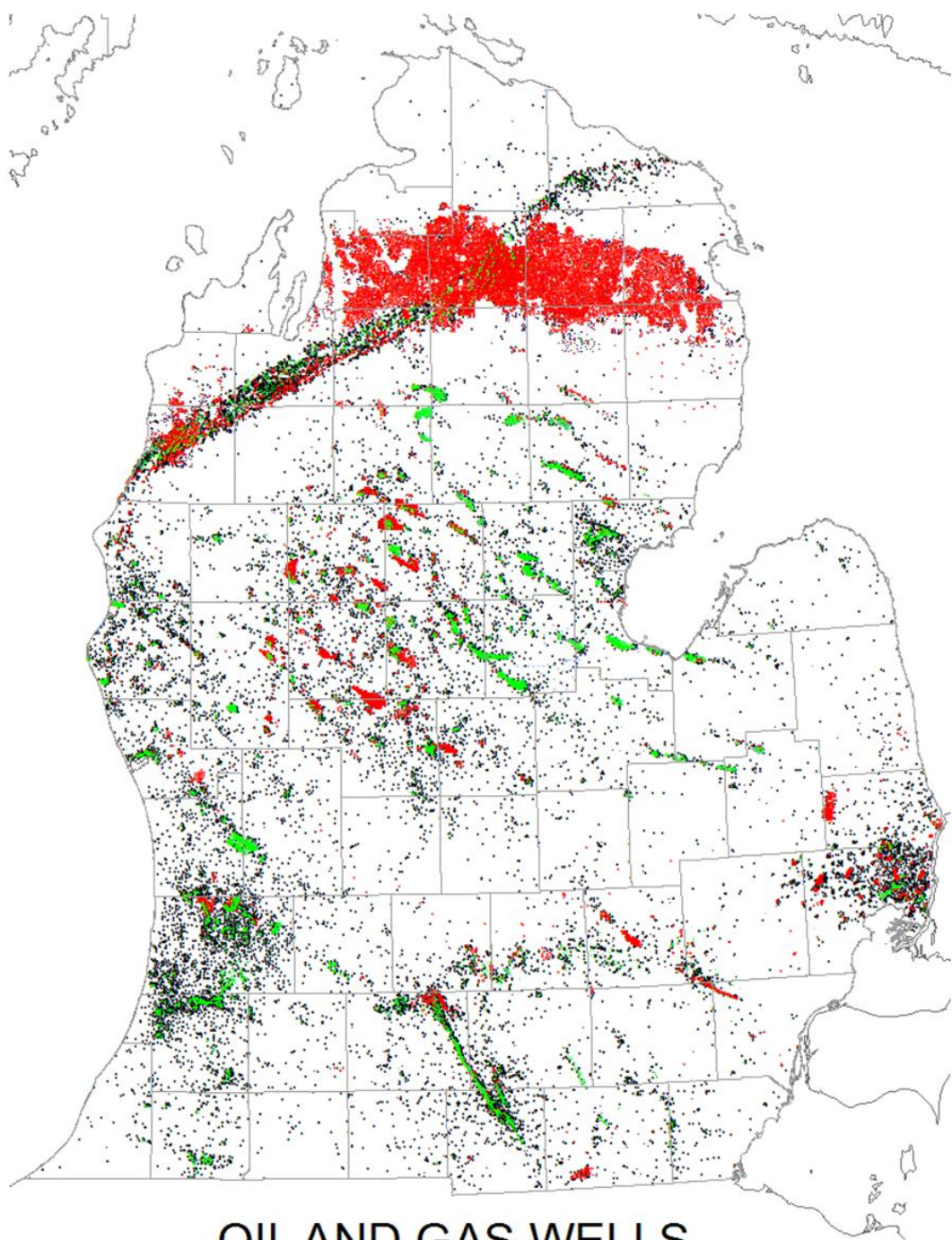
# Michigan's oil and natural gas producers

- ▶ Michigan producers in Michigan for nearly 95 years
- ▶ Many small, local businesses located across the state
- ▶ Diverse types of jobs, requiring diverse skill sets
- ▶ Increasingly technologically-driven
- ▶ In 2019 59 of Michigan's 83 counties produced oil and/or natural gas

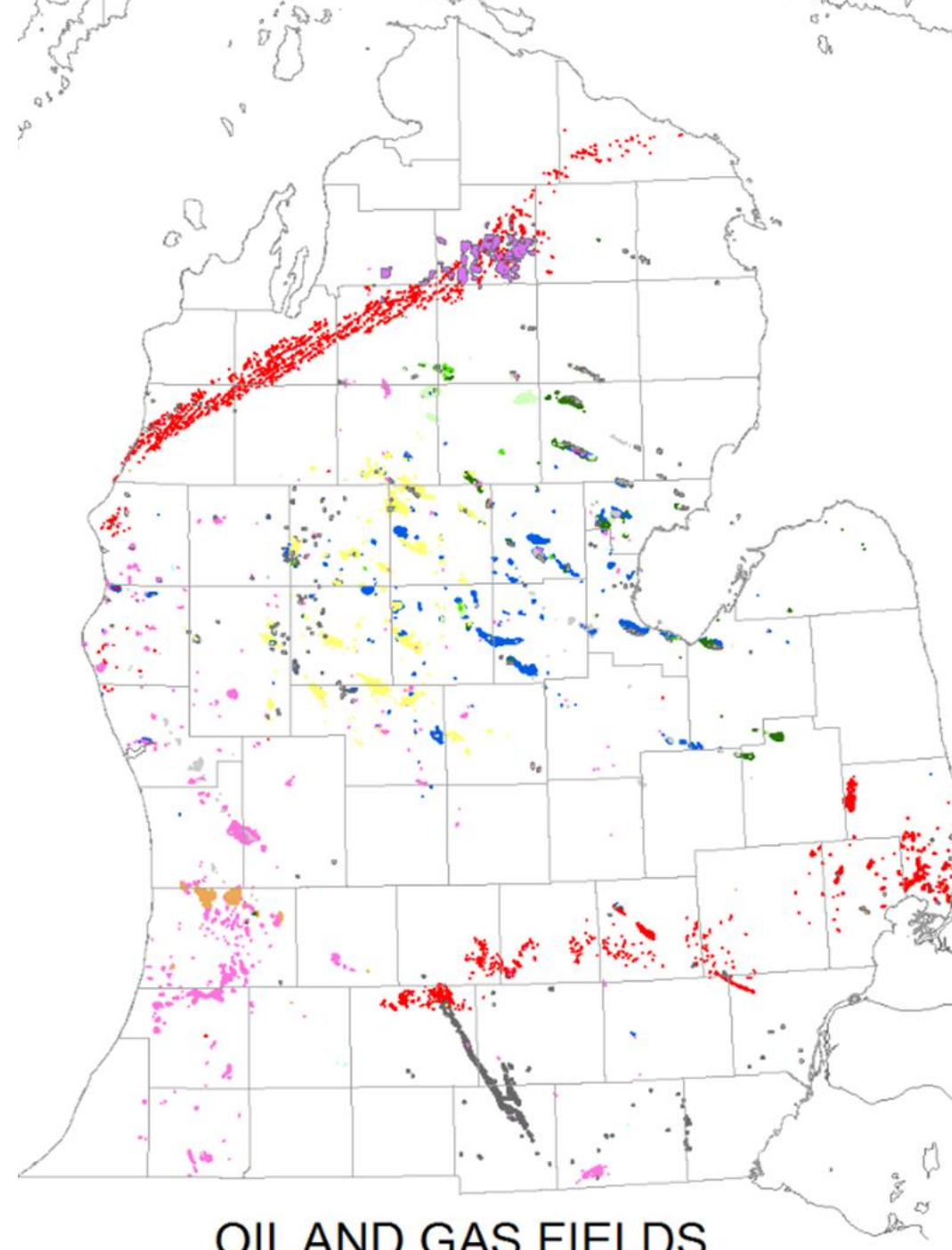


# Homestate Energy Production

- ▶ Ranks 18th of 32 producing states for both oil and natural gas
- ▶ 60,000 wells drilled since 1925
- ▶ Today:
  - ▶ 3,700 oil wells
  - ▶ 9,500 natural gas wells
- ▶ Largest natural gas storage capacity in U.S. (690 BCFG from 57 fields)
- ▶ Since 1925, produced over 1.3 Billion Barrels of Oil and 7.6 Trillion cubic feet of Gas



OIL AND GAS WELLS



OIL AND GAS FIELDS

# Michigan's Oil and Gas Industry: Working for YOU

## MICHIGAN OIL AND GAS INDUSTRY JOB CREATION

**TOTAL JOB IMPACT**  
Michigan's oil and gas industry is a primary driver of Michigan's economy by creating and supporting tens of thousands of jobs.

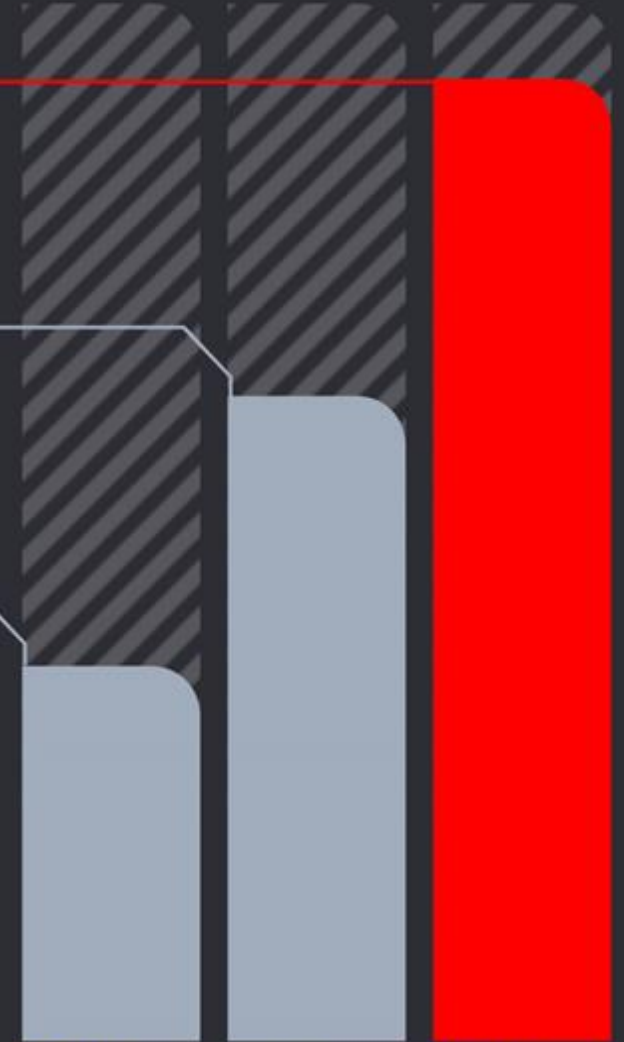
**SUPPORTED JOBS**

**DIRECTLY  
EMPLOYED WORKERS**

22,781

24,324

47,105



# Energizing Michigan's Economy

Michigan's oil and natural gas producers drove \$13.6 Billion in economic output: 3% of Michigan's GDP

2015

# Michigan Oil and Gas Consumption

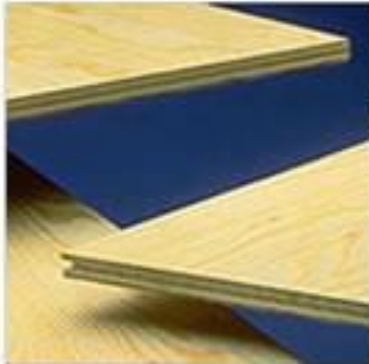
- ▶ Michigan is among the top 11 states in total petroleum consumption
- ▶ Four-fifths of the states petroleum use is in the transportation sector, and motor gasoline accounts for two-thirds of Michigan's total petroleum consumption
- ▶ Michigan's industrial sector accounts for about one-tenth of petroleum use
- ▶ Although the residential sector accounts for about 7%, Michigan is among the top 5 states for residential sector petroleum use
- ▶ Almost 1 in 10 Michigan households heat with petroleum products, and nearly 90% of those homes use propane
- ▶ The commercial sector accounts for most of the rest of the states petroleum consumption
- ▶ Michigan routinely ranks among the top 5 states in residential use of natural gas
- ▶ More than three-fourths of Michigan households use natural gas as their primary source of heat

EIA State Energy Profile Analysis 2018



# Fueling Our Lives in Unexpected Ways

Adhesives



Carpeting



Cosmetics



Fertilizers



Paints



Rubber



Fabrics



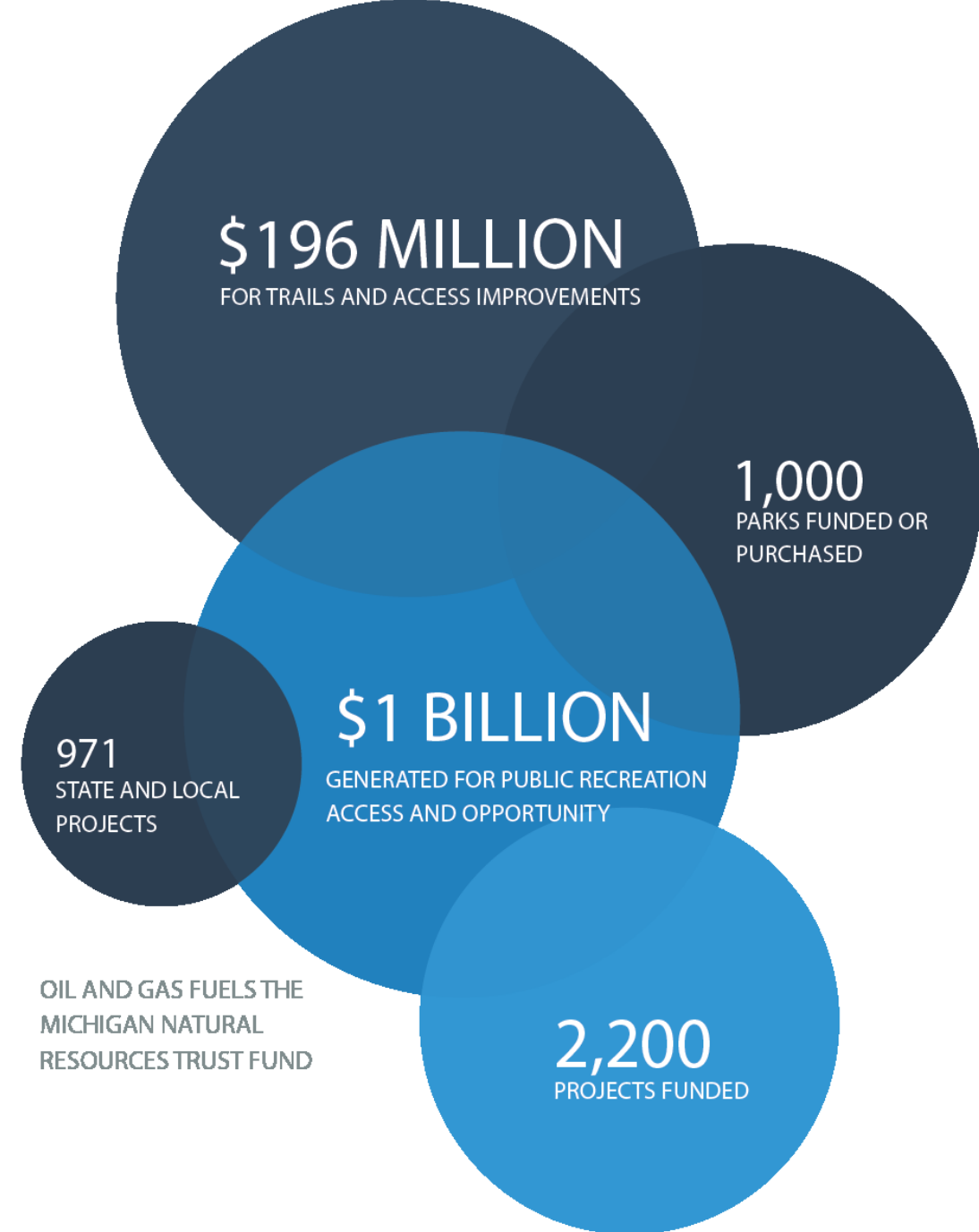
Plastics

# Michigan's potential

- ▶ Michigan has a KNOWN reserve of 53 million barrels of crude oil
- ▶ Michigan has a KNOWN reserve of 1.8 billion cubic feet of natural gas



# Community Recreation



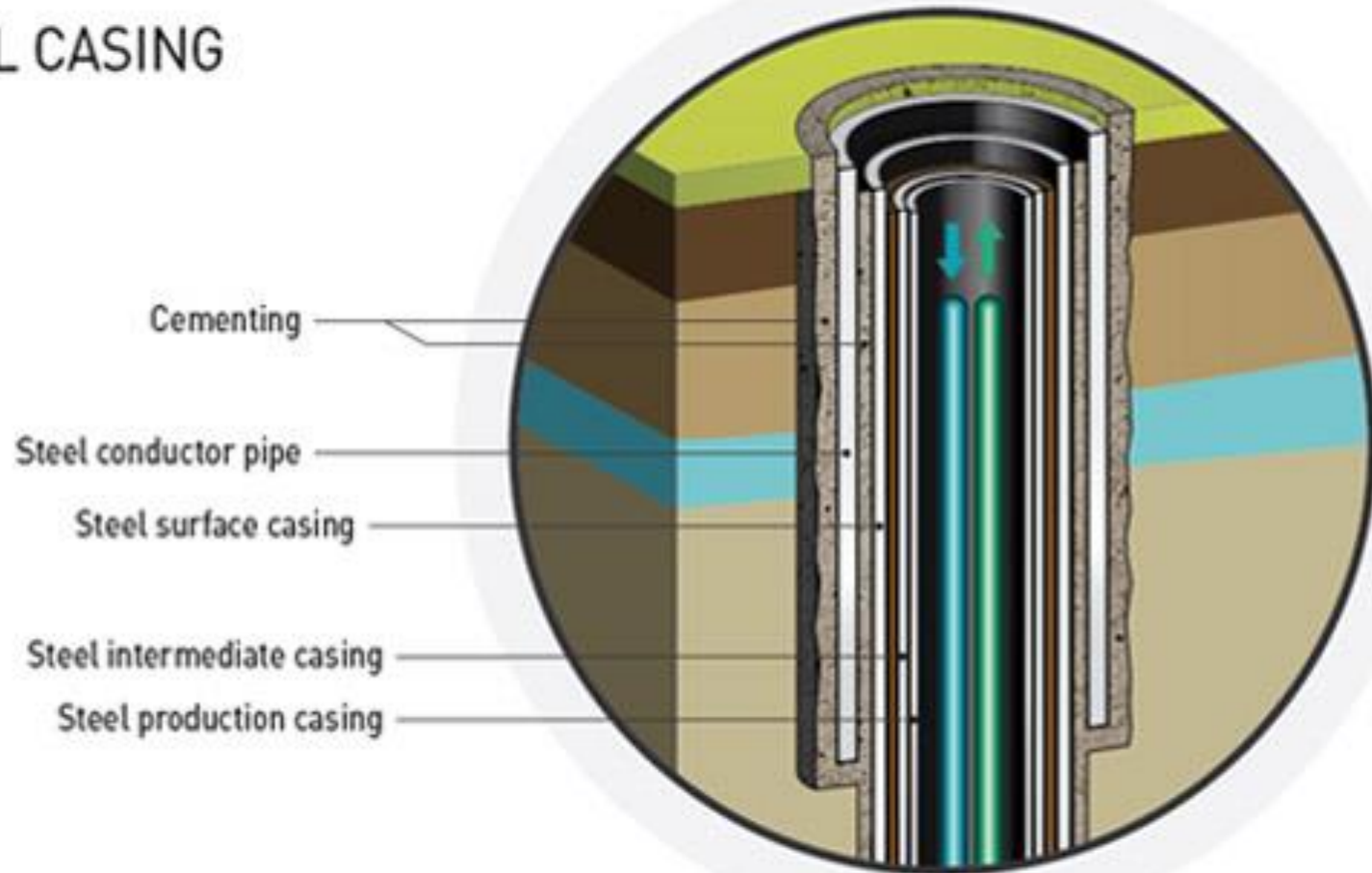
# Production Timeline



↑  
**Drilling Typically Only  
Takes Two or Three  
Weeks**


# Safety Measures Protect Fresh Water Resources

## WELL CASING





## Line 5: Safe and Reliable Transportation for Northern Michigan Product

- ▶ Michigan's northern oil producers rely on Line 5 to provide safe, reliable transportation of their product to refineries located downstate, in northern Ohio and in Sarnia
  - ▶ Product is loaded onto Line 5 at Lewiston Station via pipeline
  - ▶ Nearly 14,000 barrels per day of oil are moved on Line 5 from Lewiston to refineries
  - ▶ We support continued, safe operation of Line 5
    - ▶ Alternatives: trucks on roads, rail are less than ideal, present unnecessary safety risks, present high carbon emission implications and are more costly
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# Thank You!

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