

# Lowering Emissions While Growing Production:



# Conventional Oil and Natural Gas

**From 2012 to 2021, emissions from Canada's conventional oil and natural gas sector fell by 24% while production grew by 21%**

**Emissions down, production up** – Analysis by the Canadian Association of Petroleum Producers (CAPP) of the most recent Canadian production and emissions data shows Canada has the ability to grow production – and our role as a secure energy provider – while continuing to lower greenhouse gas emissions.

From 2012 to 2021:

- **Natural gas** production rose by 35% while emissions fell by 22%.
- **Conventional oil** production fell by 9% while emissions decreased by 27%.
- Conventional oil and natural gas producers reduced methane emissions by 34% and methane emissions intensity by 46%.
- Conventional oil and natural gas producers cut emissions by 24 megatons (MT); equal to about **half of all emission reductions in Canada**.

From 2012 to 2021:

Total Conventional Oil and Natural Gas Production Increased

21%

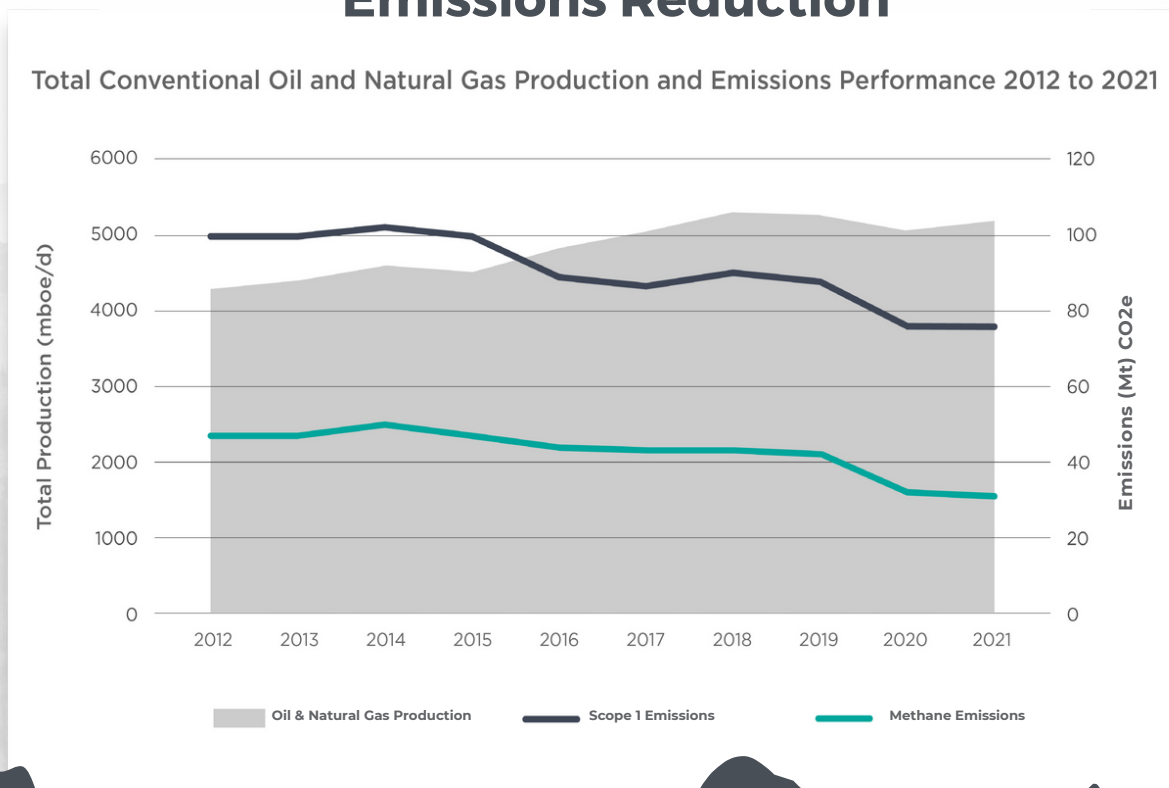
Total Scope 1 Emissions Decreased

24%

Methane Emissions Decreased

34%

## Oil and Natural Gas Production and Emissions Reduction



# Understanding emissions intensity versus total emissions

There are two ways to look at emissions: intensity and total:

- **Emissions intensity** – emissions per barrel of oil (or equivalent volume of natural gas) – a good measure of ever-improving operational efficiency.
- **Total emissions** – the volume of emissions, usually expressed as megatons (MT) CO<sub>2</sub>e.

## Conventional Oil Statistics

Production  
(Conventional Oil) **Down**

↪ **9%**

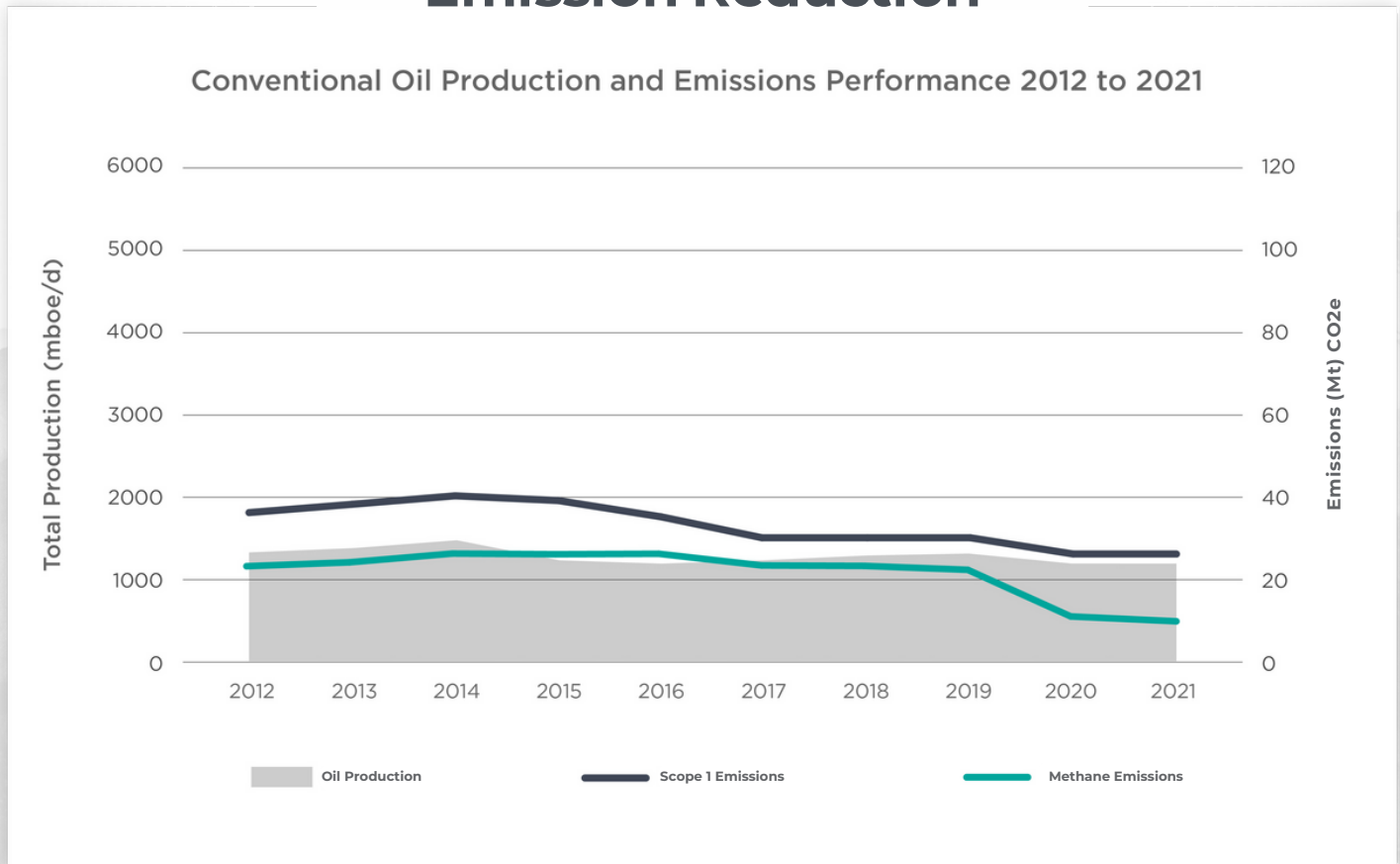
Methane Emissions  
(Scope 1) **Reduced**

↪ **34%**

Emissions (Scope 1)  
**Down**

↪ **29%**

## Conventional Oil Production and Emission Reduction



### Did you know?

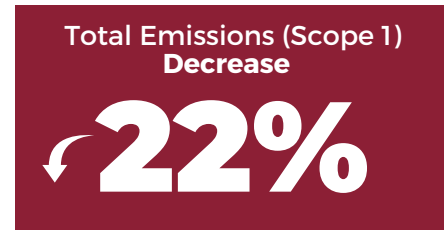
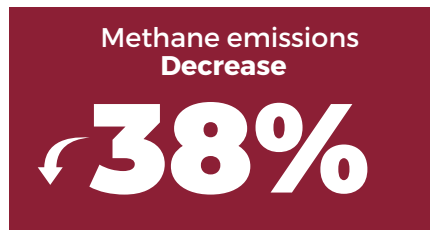
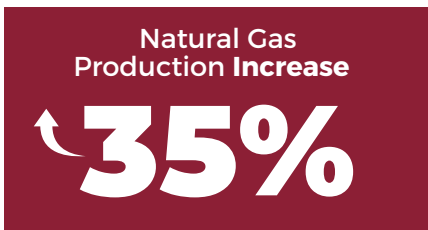
Most conventional oil and natural gas produced in Canada is consumed by Canadians. This is important for our own energy security.

# Methane is key to emissions reduction

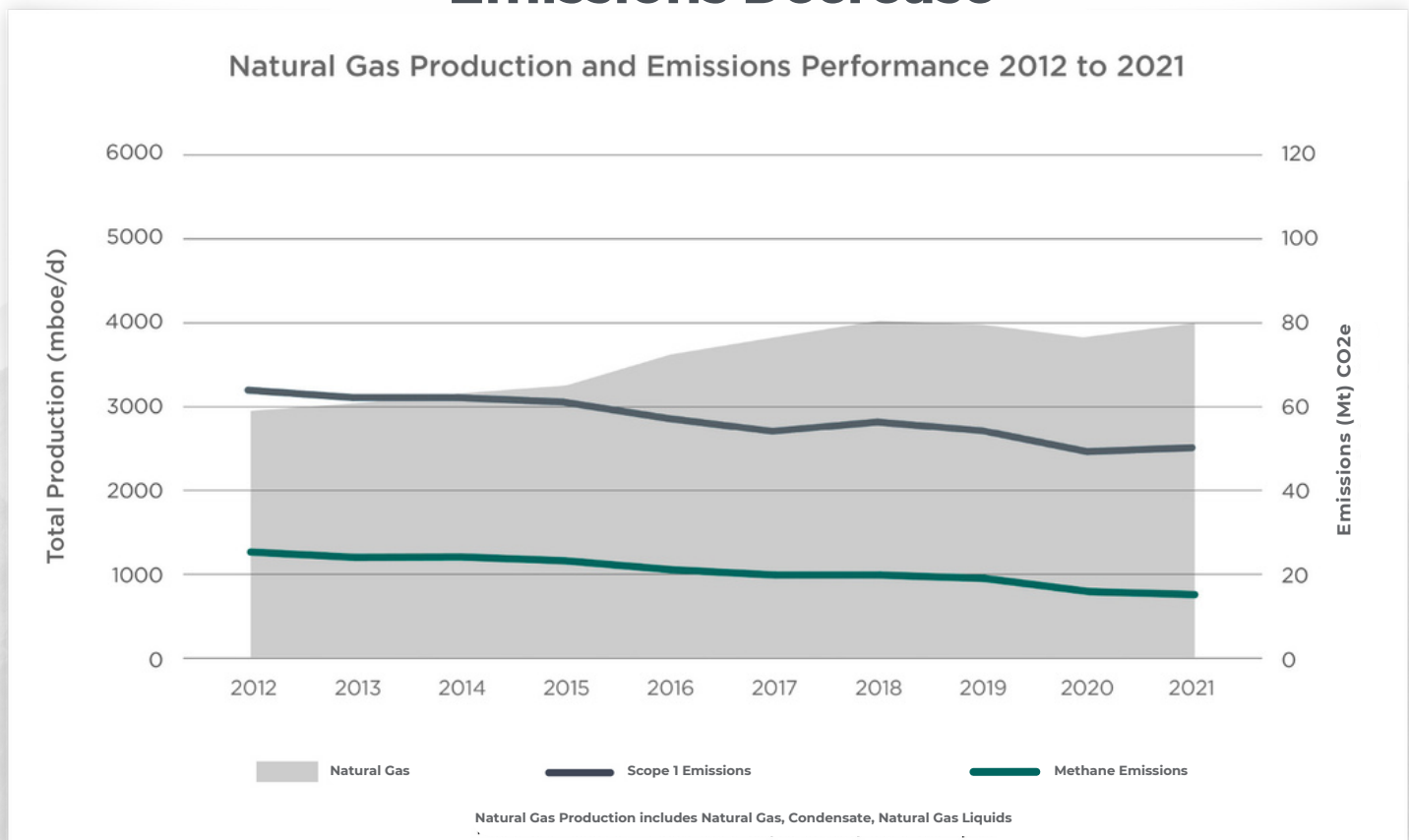
Reducing methane emissions is an effective way to lower overall greenhouse gas emissions.

Since 2012, conventional producers drove down total methane emissions by 34% and reduced methane emissions intensity by 46%.

## Natural Gas Statistics



## Natural Gas Production and Emissions Decrease



Data sources: Government of Canada's National Inventory of Greenhouse Gas Emissions and Statistics Canada.

'Conventional production' means all oil and natural gas production outside of Canada's oil sands; data includes offshore oil and natural gas production.

'Scope 1' means direct carbon dioxide equivalent (CO<sub>2</sub>e) emissions from operations.

To learn more, visit [www.capp.ca](http://www.capp.ca)

