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 29%.
- 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%

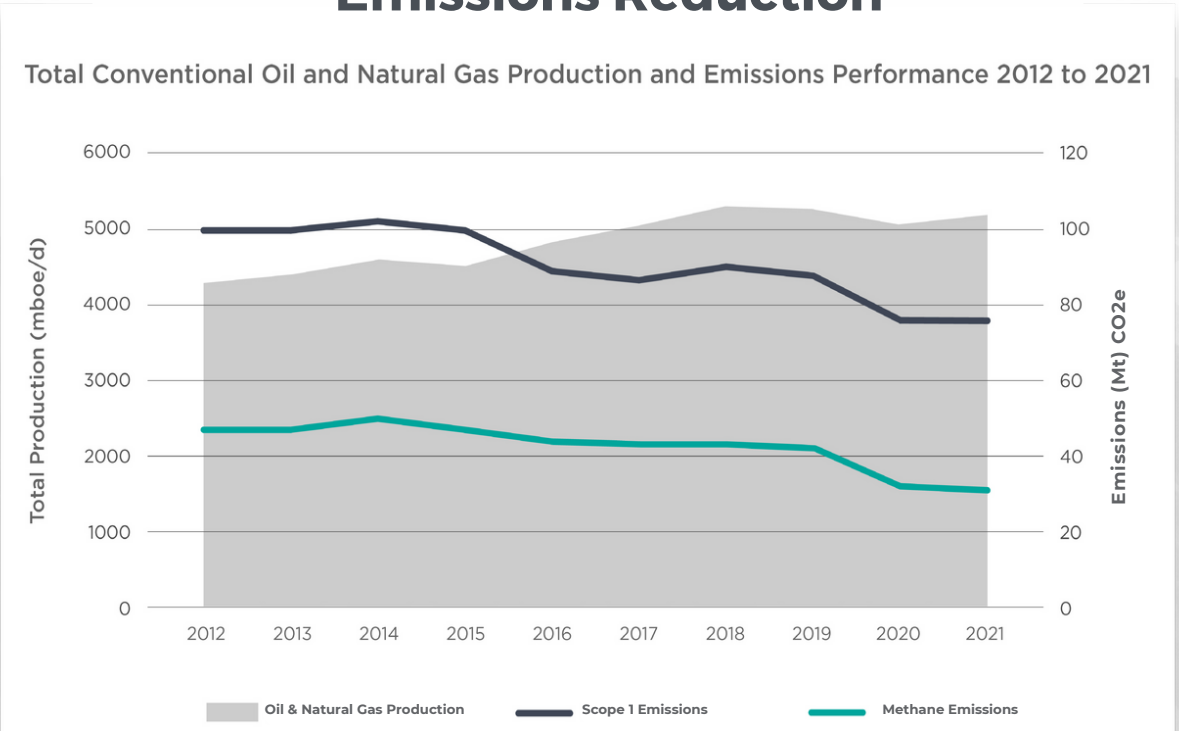
Total Scope 1 Emissions **Decreased**

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) CO2e.

Conventional Oil Statistics

Production (Conventional Oil) **Down**

9%

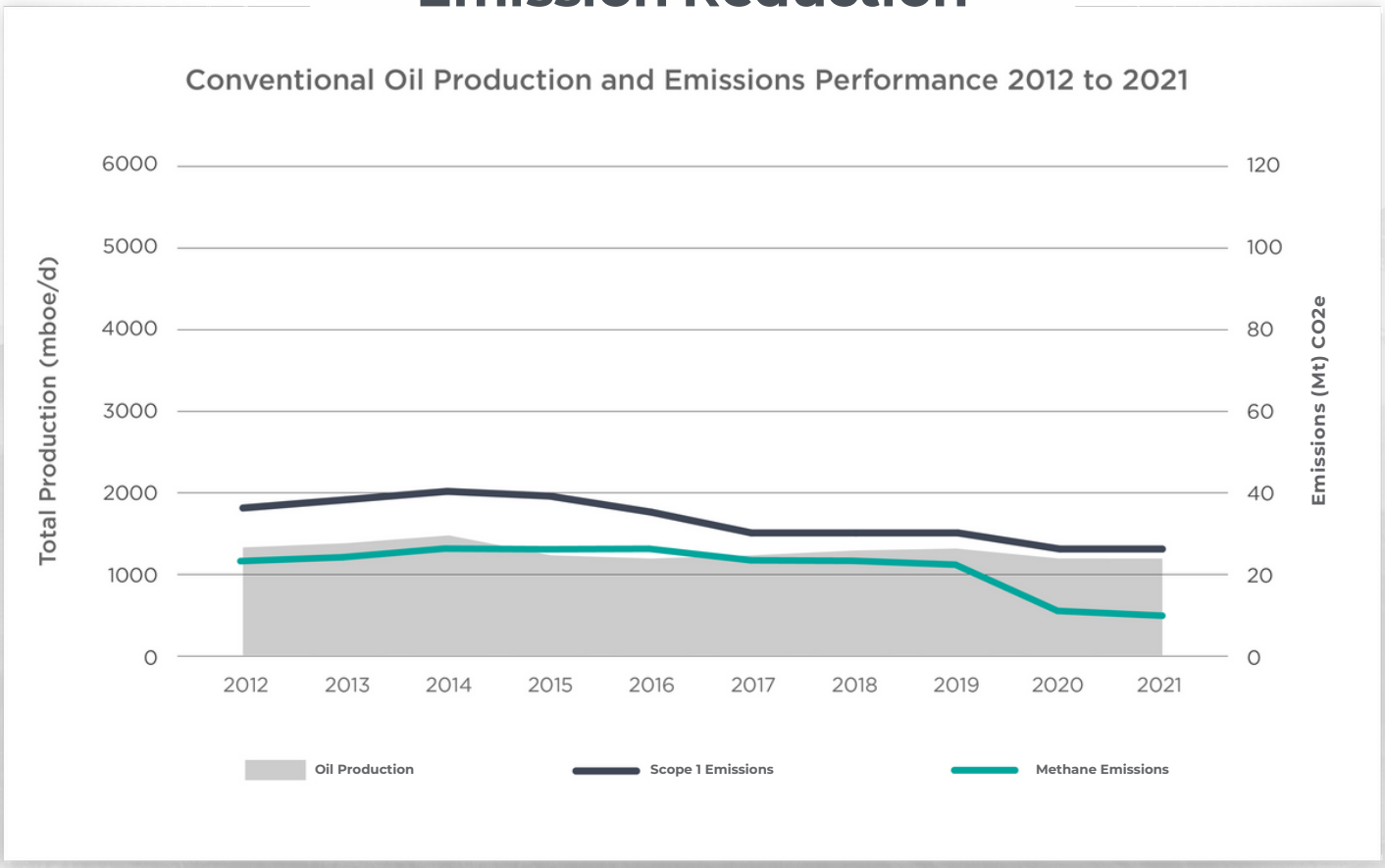
Methane Emissions (Scope 1) **Reduced**

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 **Increase**

35%

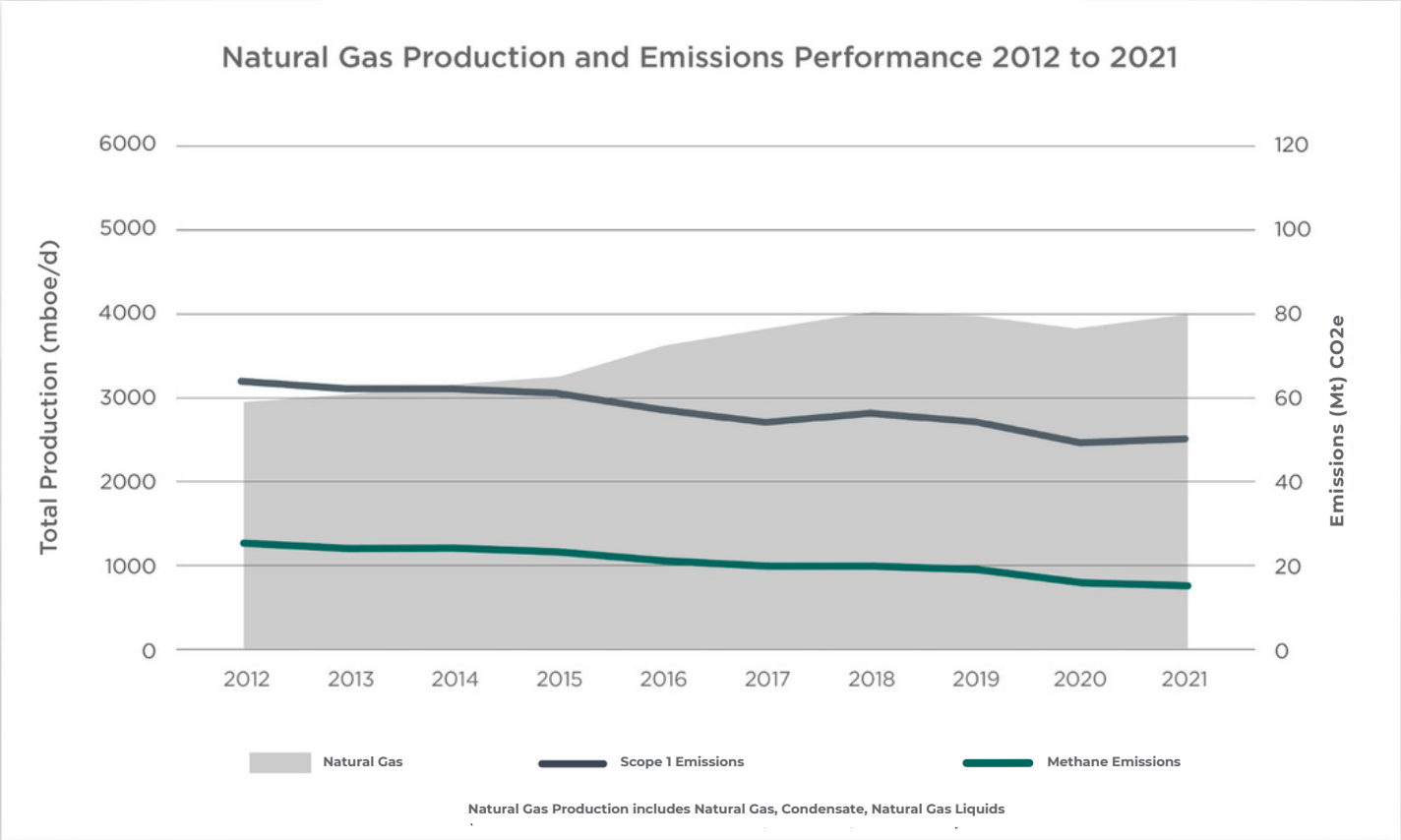
Methane emissions **Decrease**

38%

Total Emissions (Scope 1) **Decrease**

22%

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_2e) emissions from operations.

To learn more, visit www.capp.ca

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