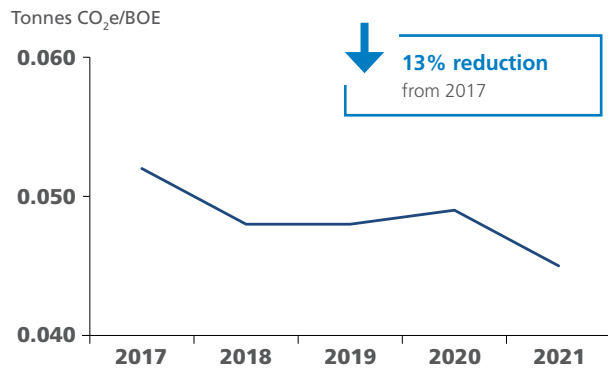
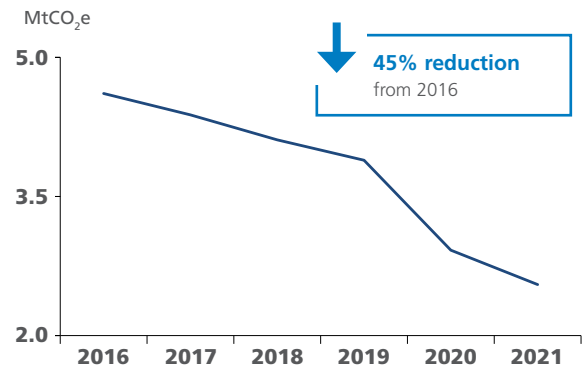


## GHG Emissions

### Corporate Scope 1 (Direct) GHG Emissions Intensity



### North America E&P Methane Emissions



**11.4 million tonnes of CO<sub>2</sub>e conserved**

in primary heavy crude oil and in situ operations since 2017

## Governance



### ESG performance

is linked to executive compensation

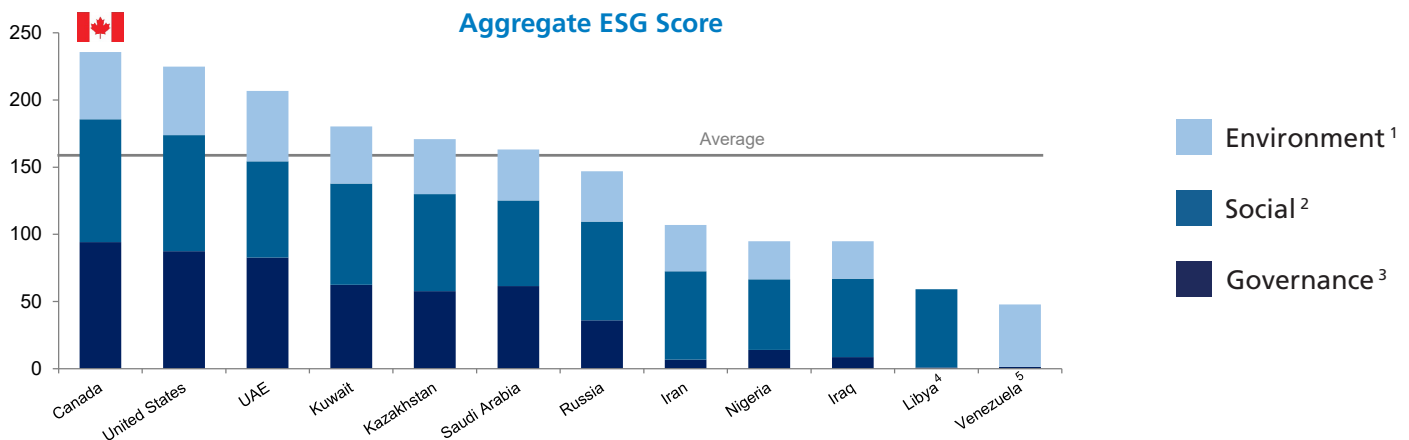
**4 of 9 independent directors are women**



### Board members with relevant experience

- 7 in Climate Change/Carbon Policy and Emissions
- 9 in Health, Safety and Environment
- 11 in Risk Management

## ESG Performance Among Top Oil Exporting Nations



1. 2022 Yale Environment Performance Index (EPI).
2. 2021 Social Progress Index (SPI) prepared by Social Progress Imperative.
3. 2020 World Governance Indicators (WGI), Regulatory Quality Score percentile rank.
4. Libya Environmental score not shown due to insufficient data and Governance score is negligible.
5. Venezuela Social score not shown due to insufficient data and Governance score is negligible.

# Environmental Targets

## NA E&P methane emissions

50% reduction by 2030 from 2016 baseline

## In situ fresh water use intensity

40% reduction in fresh water use by 2026 from 2017 baseline

## Oil sands mining fresh river water use intensity

40% reduction in fresh river water use by 2026 from 2017 baseline

# Innovation and Technology

Recognize the need to reduce GHG emissions

Leverage technology and Canadian ingenuity

Opportunities to reduce emissions further



## R&D Investment Leader

### \$450 million invested

in technology development and deployment in 2021<sup>1</sup>

### \$84 million invested

in technology development and implementation to reduce GHG emissions in 2021

1. Technology Development includes R&D with academic institutions, eligible Scientific Research and Experimental Development claims for Canadian income tax purposes, and other activities that create or deploy new technology, or improve existing technology.



## Leadership in CCUS Projects

### Largest owner of carbon capture capacity

in the Canadian crude oil and natural gas sector (based on data from the Global Carbon Capture Institute)

### 2.7 million tonnes CO<sub>2</sub>e/year total capture capacity

the same as taking ~576,000 passenger vehicles off the road per year

### 6 million tonnes CO<sub>2</sub>e captured and safely stored at Quest

since 2015, where CO<sub>2</sub> is captured from the Scotford Upgrader. Quest and the upgrader are part of the Athabasca Oil Sands Project, of which Canadian Natural has a 70% ownership interest



## Investing in Innovation and Technology

- ✓ Reduce environmental footprint
- ✓ Unlock reserves
- ✓ Increase production
- ✓ Effective and efficient operations — lower costs

# Reclamation



**3,000+ wells abandoned**

in NA E&P in 2021

**10,850 hectares reclaimed**

in NA E&P since 2016

**7.3 million trees planted**

across operations to date

**1.4 million trees planted**

across operations in 2021



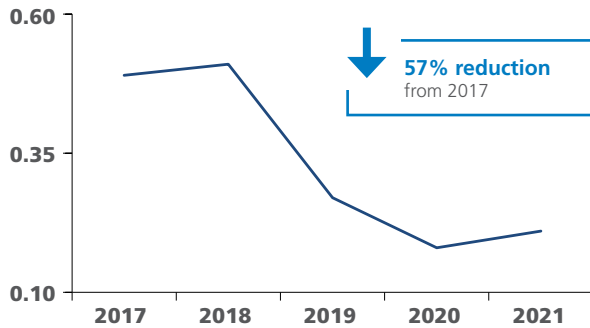
Reclaimed wheat field. In our conventional and thermal operations, we use an area-based approach to strategically reclaim large contiguous areas.

In this way, we are taking sites out of service in a safe and environmentally sound manner, while reducing reclamation, abandonment, and decommissioning timelines and costs.

# Water Use

## In Situ Fresh Water Use Intensity

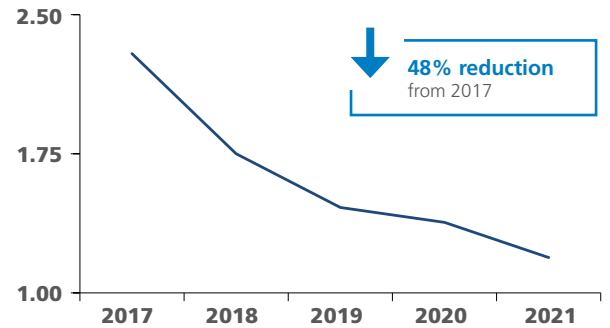
m<sup>3</sup> water/m<sup>3</sup> bitumen



Includes Alberta thermal in situ facilities. In situ water use intensity has decreased due to optimization of water use and increased bitumen production with no associated freshwater requirements.

## Oil Sands Mining Fresh River Water Use Intensity

m<sup>3</sup> water/m<sup>3</sup> bitumen



Includes river water and tributaries. 2021 precipitation was higher than expected, reducing the withdrawal requirement of fresh river water.



**85% recycle rate**

of produced water in thermal operations



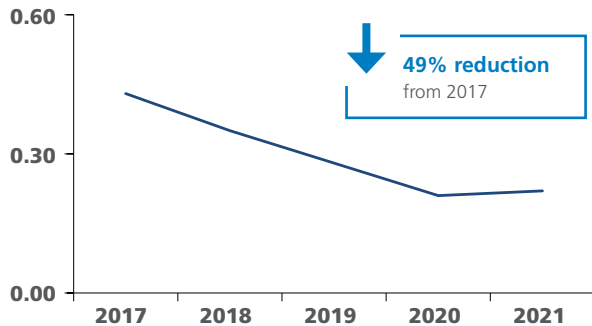
**86% recycle rate**

of surface water in oil sands mining

# Workplace Safety and Process Safety

## Corporate Total Recordable Injury Frequency (TRIF) (Employees and Contractors)

Incidents per 200,000  
exposure hours

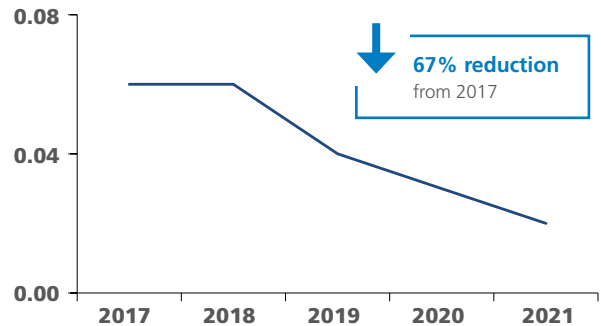


### 43% decrease

in Tier 1 and Tier 2 process safety events versus 2017

## Corporate Lost Time Incident (LTI) Frequency (Employees and Contractors)

Incidents per 200,000  
exposure hours



### AAA rating for tailings management

for Horizon and Albian, the highest rating that can be achieved in the Towards Sustainable Mining Framework

# Economic and Community Contributions



## 80,728 full-time equivalent jobs supported

by operational and capital spending

### Jobs breakdown:

- Direct **18,591 jobs**
- Indirect (suppliers) **42,662 jobs**
- Induced (economy at large) **19,475 jobs**



## \$11.1 billion of capital and operational spending

providing significant economic contribution and support for jobs across our operations in 2021



## \$6.8 billion

total supply chain spending with 9,000+ suppliers worldwide

## \$572 million in contracts

17% increase from 2020, with 144 Indigenous businesses



## \$5.3 billion in contributions to governments and local communities in 2021

### Including:

- Royalties **\$2.8 billion**
- Corporate taxes **\$1.9 billion**
- Property taxes **\$339 million**
- Surface and mineral land leases **\$202 million**