2019 ESG Highlights
Canadian Natural’s leading performance

Canadian Natural has an integrated Environmental, Social and Governance (ESG) approach that reflects a long-term commitment to sustainable development and creating value for stakeholders.

ENVIRONMENT

Greenhouse gas (GHG) emissions

Corporate Scope 1 (Direct) GHG Emissions Intensity

Oil Sands Mining and Thermal GHG Emissions Intensity

North America E&P Methane Emissions

Innovation and technology

$3.7 billion invested since 2009 in Research & Development

$77.4 million invested in 2019 in GHG research, technologies and projects

6th largest owner of carbon capture & storage (CCS) capacity in the global crude oil and natural gas sector

Journey to net zero

Our defined pathway is driving long-term GHG emissions reductions through an integrated emissions management strategy and investment in research and technology, on our journey to net zero oil sands emissions.

Near-Term Actions

- In-Pit Extraction Process (IPEP) pilot
- Solvent Enhanced Oil Recovery (EOR) pilots
- Enhanced detection and measurement technologies for fugitive emissions reduction
- Pneumatic retrofits
- Net zero/ultra-low emissions heavy oil pad
- Carbon capture and storage (CCS)
- Horizon’s CO₂ sequestration
- Quest CCS project
- North West Refinery/Alberta Carbon Trunk Line

Medium-Term Actions

- IPEP commercialization
- Solvent EOR commercialization
- Titanium Corporation technology
- NRG COSIA Carbon XPRIZE
- Molten carbonate fuel cells pilot
- Leverage CCS expertise to optimize projects

Long-Term Actions

- Carbon capture and conversion (carbon fibers, asphalts, plastics)
- Molten carbonate fuel cells commercialization
- Expand/develop future CCS projects

2025 Target: 25% reduction from 2016 baseline.

2025 Target: 20% reduction from 2016 baseline.

2025 Target: 15% reduction from 2016 baseline.
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Water use

In Situ Fresh Water Use Intensity

Oil Sands Mining Fresh River Water Use Intensity

Reclamation

4.3 million trees planted to date across all operations
2,035 inactive wells abandoned in 2019 a corporate record
7,600+ hectares since 2015 reclaimed in North America E&P
1,628 hectares to date reclaimed in oil sands mining

SOCIAL

Health and Safety

Corporate TRIF vs Man-hours Worked

Community

$2.44 billion Contributions to Canadian economy (royalties, land leases, property and corporate taxes)
79,820 Full Time Equivalent (FTE) jobs supported by operational and capital spending in our Canadian operations

$25 million Total community investment

$550+ million In contracts with more than 150 Indigenous businesses

GOVERNANCE

37.5% Female Independent Directors of the Board, achieving the Board gender diversity target of 30%

ESG performance is linked to executive compensation

Robust governance and risk management of ESG issues by Board of Directors and Management Committee

16 years of sustainability reporting