
COP24 – Katowice Poland
December 2018
Suncor’s ESG Leadership

Environment

Regulatory & policy leadership
Operate under one of the most stringent, transparent and compliance-focused regulatory frameworks
Demonstrated commitment to effective, practical and efficient policy design
- Alberta’s Climate Leadership Plan
- Canada’s Clean Fuel Standard
- Pan-Canadian Framework

GHG & water performance
>60% reduction in Oil Sands Base GHG emissions intensity since 1990
Goal to reduce corporate GHG intensity by 30% by 2030
Estimated average carbon cost for upstream production is $0.60/bbl
~30% reduction in water use intensity at Oil Sands Base in 2017 vs. the prior 4-year average

Technology & innovation
$350M in technology investments in 2017
Significant new technology deployment
- FFT, AHS, PASS, NCG co-injection
- External collaboration
- Canadian Oil Sands Innovation Alliance (COSIA)
- Clean Resource Innovation Network
- NRG COSIA Carbon XPRIZE
- EV4X Innovations

Social

Advancing Aboriginal partnerships
Goal to strengthen relationships and partner with Aboriginal businesses and youth
- $503M agreement with Fort McKay and Mikisew Cree First Nations for 49% of EFT
- Purchased 41% interest in Petrolex, owned by the James Bay Cree
- Spent $521M with Aboriginal businesses in 2017 ($4 billion since 1999)

2017 economic contribution
- $5.8 billion capital spend
- $2.1 billion government royalties & taxes
- Close to 5,000 vendors across Canada and 1,300 in the US
- 25 Petro-Canada branded retail sites owned or leased by First Nations
- 12,500+ Suncor employees

Governance

Governance leadership
Diverse and experienced Board of Directors
- 10 out of 11 are independent
- Aboriginal representation
- 4 out of 11 are women

Executive compensation linked to financial, operational and ESG factors
Appointment of a Chief Sustainability Officer at the executive level in 2017
Enhancing Innovation by creating more collisions across the energy innovation system

- Canada has a long history as a global leader in resource development and innovation
- Solutions to today’s energy challenges require an understanding of the entire innovation system and how the pieces fit together
- Many players contribute to oil and gas innovation system
Innovation Needs to be Across the Full Value-Chain

Canada’s Total GHGs in 2014: 732 Mt CO₂ Equivalent

8% Waste & Others
65 Mt CO₂ eq

10% Agriculture
73 Mt CO₂ eq

10% Heavy Industry
76 Mt CO₂ eq

11% Electricity Generation
79 Mt CO₂ eq

12% Buildings
87 Mt CO₂ eq

23% Transportation
172 Mt CO₂ eq

26% Oil & Gas
193 Mt CO₂ eq

Oil & Gas subsectors with greatest need to innovate:

- Upstream Oil/Gas Production (22%)
- Transportation (23%)
- Other End Use (9%) electricity, chemicals, fertilizers, farm-fuels
- Refining (3%)

*Other also contain GHGs that are the result of oil and gas end-use
Current Technologies in Oil Sands Have Potential to Significantly Reduce Emissions

• The GHG emission has been a significant focus for Canadian oil sand companies seeking to reduce their GHG intensity.

• Innovation is happening across the sector through COSIA, UoC, UoA, Alberta Innovates, NRCan, etc.

• Innovation is the business of oil sands development.

• Our message key message is that the sector continues to innovate and to ensure it can be a part of the new low carbon economy and provide affordable, reliable and secure energy.
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• **Become a member**
  – Sign the social contract and become part of the community of people and organizations committed to becoming the global leader in producing clean hydrocarbon energy
  – Visit [cleanresourceinnovation.com](http://cleanresourceinnovation.com)

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• Join our Member-only group pages for technology-focus areas with exclusive content and discussions, accessible only to CRIN members:
  – Canadian Fuels Standard – Reducing the Carbon Intensity of the Barrel
  – Clean Resource Innovation Network (CRIN) Members
  – Digital Oil and Gas Technology
  – Low to Zero Carbon Hydrocarbon Production to End Use
  – Methane Monitoring, Quantification and Abatement
  – Novel Hydrocarbon Extraction
  – Novel Land and Wellsite Remediation
  – Water Technology Development

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