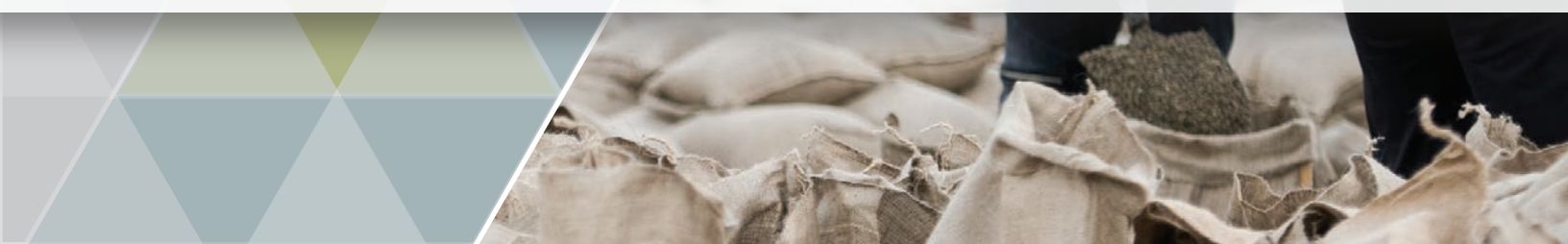




# ANNUAL IMPACT REPORT

2022-2023





## WHO WE ARE

We are Canada's leading climate change policy research organization, producing the rigorous analysis and evidence-based recommendations that are needed to advance climate resilience, chart net zero pathways, and drive long-term prosperity. The strength of our work is rooted in our independence, in the diversity and depth of our staff, board, and advisors in the fields of climate mitigation, adaptation, and clean growth, and in the breadth of the stakeholders and rights holders we engage through our research.

## OUR VISION

Canadians acting together on climate solutions in order to foster resilient communities, prosperous economies, and more just societies—sustainable for generations to come.

## OUR MISSION

We help shape sound public policies that enable all Canadians to thrive in the face of climate change and advance a net zero future.



The **Canadian Climate Institute** is a non-partisan pan-Canadian charitable organization. Our work is made possible through the financial support of **Environment and Climate Change Canada**, and the generous support of the **Ivey Foundation**, **Scotiabank**, **Loblaw Companies Limited**, **QuadReal Property Group**, and the **Trottier Family Foundation**.



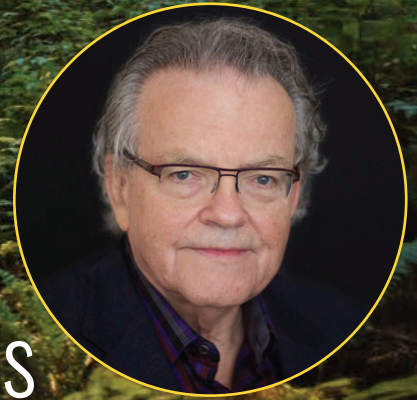
Environment and  
Climate Change Canada

Environnement et  
Changement climatique Canada



## MESSAGE FROM THE CHAIR PETER NICHOLSON

# It's time to go all-in on implementing climate solutions



As the latest report from the UN Intergovernmental Panel on Climate Change reiterates, the clock keeps ticking. The world is dangerously close to missing the greenhouse gas reduction targets that will keep global warming within manageable levels.

What's true globally is equally true for Canada. As we put the finishing touches on this report, the federal government released its 2023 National Inventory Report, which indicated 2021 national emissions stood at 670 megatonnes, roughly 230 megatonnes above Canada's 2030 target. That leaves a lot to do between now and then.

With a National Adaptation Strategy, a federal Emissions Reduction Plan, and a proposed roadmap for establishing a climate investment taxonomy now in place, it's time to go all-in on implementing these, and other, climate solutions.

At a high level, we know what's required. The Institute's models show that "safe bets" like energy conservation, solar and wind generation, electric vehicles, and heat pumps can get Canada to its 2030 targets. Now we need to confront the more granular difficulties of enacting those measures.

In terms of engineering, financing and approvals, building all that infrastructure won't be easy. There's the challenge of supporting a smooth and equitable transition for workers and regions that are affected by the global shift to clean energy—and the parallel challenge of being prepared to seize the new opportunities that emerge. Finally, jurisdictional divisions between federal and provincial governments add an extra level of complexity.

Despite those hurdles, action is crucial—not only for the global imperative to reduce carbon pollu-

tion but also for the national economy. Markets won't tolerate high-carbon production much longer, and Canada must be in the vanguard of the transformation to a new energy system.

To drive that transformation, Canada needs good climate policy. And the Institute will continue informing that policy through research, insights, and actionable recommendations. Our priorities between now and 2026 include: contributing to the implementation of sound mitigation policies at the federal, provincial, and territorial levels; the mainstreaming of adaptation policy across government policy-making processes; and advancing a made-in-Canada approach to drive clean growth.

We'll be tackling this work supported by a stable and growing funding base from a mix of sources—a tremendous vote of confidence in our work.

As we move forward, we'll be guided by an enlarged Board of Directors. I want to welcome Gord Lambert, Catherine Cobden, Jasmine Ighneski, Eme Onuoha, Matt Wayland, Alain Bourque, Mira Oreck, and Jordyn Burnouf. I'd also like to thank departing members Dominique Souris, Charmaine Dean, Elizabeth Beale, and David Collyer for their service since the founding of this Institute in 2020.

Meanwhile, I want to acknowledge that we are privileged to work within an ecosystem of like-minded organizations nationally and globally, and we very much value our partnerships with them.

Together, we'll be driven by an ever-increasing sense of urgency. Because more than ever, time is of the essence.

## MESSAGE FROM THE PRESIDENT RICK SMITH

# Celebrating a year of firsts in 2022–23



This was a year of milestones and new beginnings.

Within days of the beginning of the fiscal year, we published an independent assessment of the federal Emissions Reduction Plan: the first comprehensive, actionable plan to achieve Canada's 2030 climate target and put the country on a path to net zero emissions by 2050. The "firsts" continued throughout the year across a range of important climate-related areas, informed in no small measure by research from the Canadian Climate Institute.

In November 2022, the federal government released Canada's first National Adaptation Strategy, outlining the path to a more climate-resilient future. We contributed actively to the development of this strategy. As with the Emissions Reduction Plan, we also conducted an independent assessment of the Strategy once published, detailing its strengths and shortcomings, and identifying opportunities to sharpen it.

In March 2023, the federal Sustainable Finance Action Council published the Taxonomy Roadmap Report. Our experts contributed to this inaugural taxonomy proposal, which starts to define what "green" and "transition" investing could look like in Canada, helping drive crucial private investments into activities that reduce emissions.

In November, the Institute launched [440 megatonnes](#). This is the first publicly available data website of its kind in Canada, allowing decision makers, analysts, journalists and individuals to do a deep dive into the country's emissions trends. Featuring custom databases and weekly insights on specific trends, it clearly illustrates where Canada is on track to reduce emissions to 440 megatonnes by 2030—the midpoint tar-

get the federal government has set on the road to net zero—and where more work is required.

In February, through 440 Megatonnes, we also launched the first Early Estimate of National Emissions. Official calculations of Canada's annual emissions (the annual National Inventory Report) are only released a full 16-months after the end of the reporting year in question. We developed a new methodology that cuts the reporting time in half, to provide more immediate feedback for government and corporate decision makers, and more time to course correct.

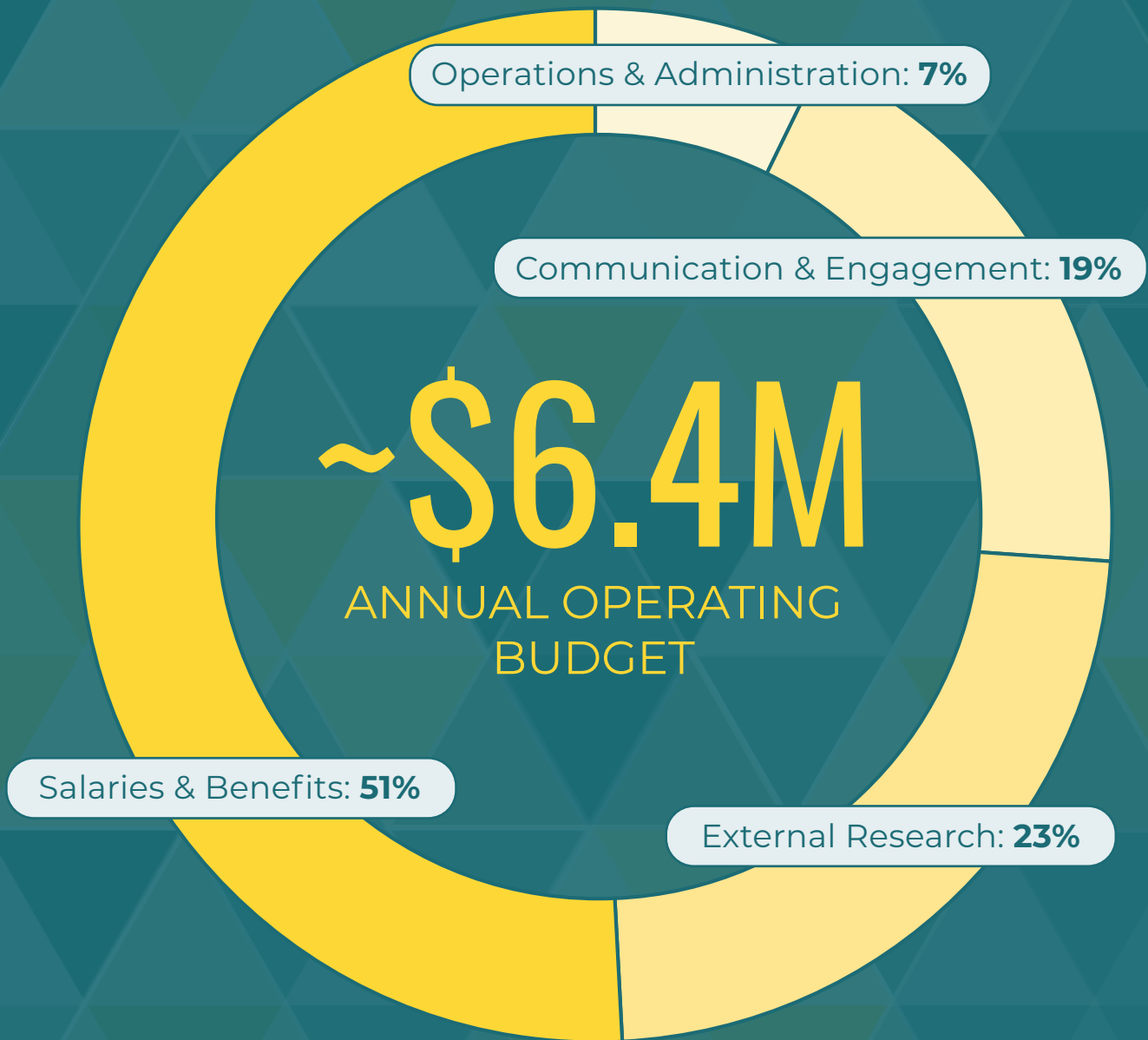
In July 2022, the Climate Institute hosted our first roundtable showcasing Indigenous-led research and policy on climate change. And in October, we teamed up with the Net-Zero Advisory Body to co-host our first in-person national conference. Our lineup of speakers included high-profile colleagues from around the world in addition to Prime Minister Justin Trudeau, Natural Resources Minister Jonathan Wilkinson, and Environment and Climate Change Minister Steven Guilbeault, reflecting the importance the federal government is placing on climate change action.

I'd like to thank our staff, board members, advisory council members, and expert panelists who made these achievements possible and to welcome all the fantastic new additions to our growing network over the past year.

After years of discussing the problem, Canada is now nailing down solutions. Reducing national emissions to 440 megatonnes by 2030 requires a lot of work, but we've done the calculations, and it's completely achievable.

I'm proud of the role the Climate Institute has played, and am excited for the next chapter.

# FINANCIAL SNAPSHOT





# REGIONAL REPRESENTATION

The Canadian Climate Institute aims to ensure a diversity of regional perspectives is reflected within its staff, board, expert panels, and advisory council.



# OUR IMPACT SINCE 2020

## REPORTS & PUBLICATIONS

13

 Reports  
Published

132

 Blogs  
Published

57

 Op-eds  
Published

19,780

 Report  
Downloads

## MAJOR PUBLIC FACING EVENTS AND ENGAGEMENT

6,000+

 Event  
Participants

8

 Major  
Events

68,523

 Stakeholders  
Engaged

## MEDIA & REACH

8,705

 Media  
Mentions

1,055,621

 Website  
Pageviews

9,587

 Email  
Subscribers

20,635

 Social Media  
Followers

## EVENTS

# Events that attract Canada's leaders

On October 18, 2022, we co-hosted our second annual national climate conference with the Net-Zero Advisory Body at the National Arts Centre in Ottawa.

**2030 in Focus: Getting the Next Decade Right on Net-Zero** attracted more than 2,000 policy makers, decision makers, academics, and NGO representatives from across Canada and around the world. They joined us—both virtually and in-person—to hear national and international experts provide insights on how Canada can meet its 2030 net zero targets.



Photo by Alexandre Tétreault

The solutions-focused discussions covered everything from ensuring accountability to addressing affordability in climate policy design, engaging capital markets and mobilizing investment for the net zero transition, and much more.

One of the highlights was a conversation between Prime Minister Justin Trudeau and Akshat Rathi, senior reporter for climate at Bloomberg News. During the 30-minute interview, the Prime Minister faced challenging questions about Canada's record on addressing climate change. However, his key message was clear. "We are serious about decarbonizing our energy mix," he said. "We're serious about net zero. And we have a plan to do it."

Other speakers included Jonathan Wilkinson, Minister of Natural Resources; Steven Guilbeault, Minister of Environment and Climate Change; Chris Stark, Chief Executive, UK Climate Change Committee; Sara Moarif, Head of Environment and Climate Change at the International Energy Agency; and Preeti Bhandari, Senior Advisor at the World Resources Institute.

We look forward to our third annual conference in November 2023.



# The Big Switch: Powering Canada's Net Zero Future

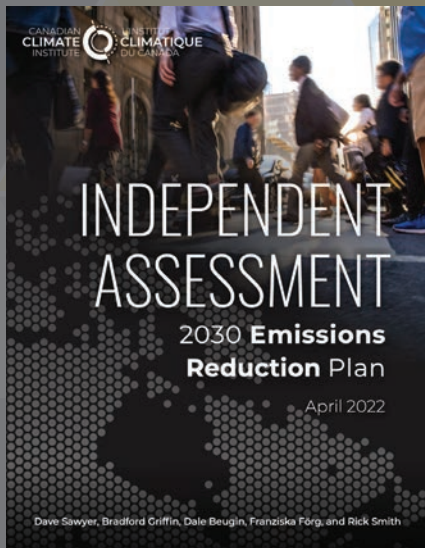
A “big switch” from fossil fuels to clean electricity can make energy more affordable while laying the foundation for a sustainable and prosperous future. But getting there will require governments at all levels to leverage a variety of policy tools.

Our May 2022 **Big Switch** report looks at what it will take to build the bigger, cleaner, and smarter electricity systems needed to power Canada's net zero future. It revealed that coordinated action is crucial to making Canada's low-carbon transition smooth. The key will be creating systems that integrate more

renewables, storage capacity, power shifting, and other essentials to support a doubling in electricity demand. Fortunately, the technologies needed are available and affordable, and the policy solutions are readily at hand.



# Independent Assessment: 2030 Emissions Reduction Plan

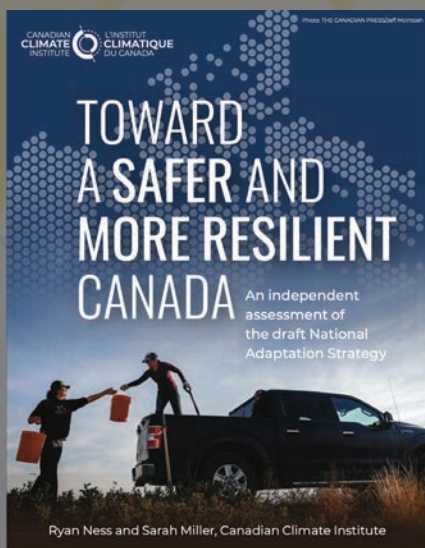


In April 2022, the Climate Institute published an in-depth assessment of Canada's Emissions Reduction Plan, drawing on our expertise and independent modelling conducted with our partners at Navius Research.

Although we conclude that the 2030 Plan is comprehensive and credible, its success depends on how policy is developed and implemented—and how quickly.

Specifically, we identify five critical policy areas that can drive nearly two-thirds of the emissions reductions needed to meet Canada's 2030 emissions targets: continued tightening of Canada's carbon pricing regime, an oil and gas cap, a Clean Electricity Standard, policies for land-use emissions reductions, and a strengthened Clean Fuel Standard.

# Toward a Safe and More Resilient Canada



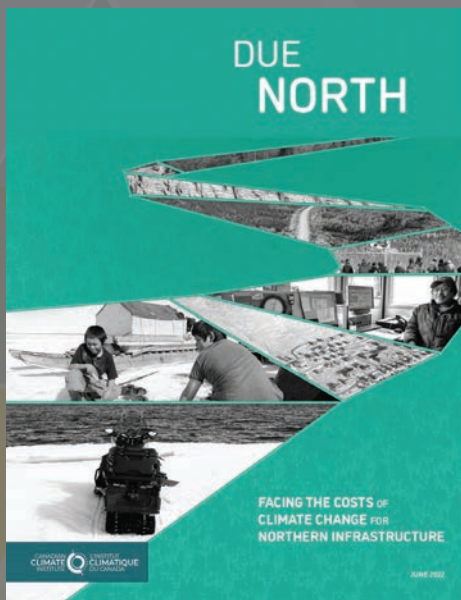
In November 2022, the federal government released a draft National Adaptation Strategy and corresponding Action Plan.

These are critical tools to address the increasingly devastating impacts of climate change and create a safer and more resilient Canada. However, as our independent assessment reveals, there's room for improvement.

Our expert analysis pinpoints 11 ways the federal government can strengthen the Strategy as it is finalized. That includes identifying priority action areas and improving coordination across federal departments and between all levels of government. It also includes creating a robust framework for tracking progress to enhance accountability and continually improve the Strategy and the actions that it guides.

# Due North + Damage Control: Concluding our Costs of Climate Change series

In 2020, the Climate Institute set out to understand just how much climate change will cost Canada in the coming decades and how adaptation can help mitigate those impacts. In 2022, we published the final two research reports in this five-part series.



**Due North: Facing the costs of climate change for northern infrastructure** reveals how systemic underinvestment and rapid warming have left Northern communities vulnerable. Runways are warping due to extreme weather. Building foundations are failing because of permafrost thaw. And in 30 years, half of winter roads will be unusable. However, our research finds that immediate and ongoing investments in infrastructure adaptation can substantially reduce these costs and protect communities. The report includes first-hand accounts of the impacts of climate change, drawing on our interviews with Northerners in six communities.



**Damage Control: Reducing the costs of climate impacts in Canada** combines analysis from our previous reports with new data and research, revealing that climate change could drag GDP down 12 per cent by the end of the century and reduce household incomes 18 per cent. However, we also show how proactive adaptation measures can pay off, with every dollar spent today creating \$13–\$15 of direct and indirect benefits in the years ahead.



# Net Zero Opportunities: A province-by-province comparison

Our 2021 **Sink or Swim** report highlighted the risks and opportunities Canada's economy faces in the global low-carbon future. **Net Zero Opportunities** builds on that work with an in-depth look at each province.

Released in May 2022, it outlines province-specific risks and opportunities, compares performance between provinces, and makes recommendations for how provincial and federal governments can support Canada's transition to net zero.

B.C., Alberta, Ontario, and Quebec are currently leading the transition, fuelled by large private-sector investments supported by strong policies. Manitoba, New Brunswick, and Nova Scotia are also gaining momentum but need to accelerate efforts to remain globally competitive. Finally, although Saskatchewan, P.E.I., and Newfoundland and Labrador are beginning to seize new transition opportunities, they must take urgent action to avoid being left behind.



440

# 440 Megatonnes: Tracking Canada's climate policy progress

Canada has committed to reduce its annual greenhouse gas emissions to a maximum of 440 megatonnes by 2030—at least 40 per cent below 2005 levels—on the path to net zero emissions by 2050.

Tracking Canada's progress to these climate targets and identifying opportunities to course correct is necessary for informed conversations on climate action. But when it comes to measuring climate policy progress across Canada, good data has been surprisingly hard to find. Until now.

In November 2022, the Climate Institute launched **440Megatonnes.ca**: a new data-driven resource for tracking Canada's climate policy progress. The website features searchable, downloadable databases and expert insights identifying areas where Canada is on track to meet its 2030 target and where course correction is needed.

It's a treasure trove of information.

To date, we've published six unique products on the 440 Megatonnes website. The interactive **Emissions Pathways Tracker** maps historical emissions to projections under Canada's 2030 Emissions Reduction Plan and pathways to net zero. The **Corporate Climate Commitment Tracker** outlines climate pledges and plans for the top 60 companies on the TSX. The **Carbon Reduction Policy Tracker** details over 400 federal, provincial, and territorial policies to better understand what government actions have been introduced to achieve the 2030 target.

The site also features the **Canadian Carbon Intensity Database**, which includes carbon intensities for scope 1, 2, and 3 emissions to help companies, governments, and households better estimate their emissions. Meanwhile, **data from the Institute's 2021 report Canada's Net Zero Future** adds clarity about Canada's pathways to net zero by 2050. Finally, our **Early Estimate of National Emissions** aims to improve decision making by providing more timely data on how Canada is progressing towards its emissions reduction targets.

In addition, **weekly insights** break down our data into actionable intel—whether it's showing how accelerating emissions reductions in the transportation sector is key to meeting Canada's climate targets or quantifying the benefits of switching commercial buildings to heat pumps.

Informed decision making drives progress. By putting data and analysis together in one place, 440 Megatonnes is adding clarity to conversations about climate policy progress and helping governments across Canada make sound decisions.



**INDIGENOUS PERSPECTIVES**

# Showcasing Indigenous perspectives

Indigenous Peoples are on the front lines of a rapidly changing climate. In response, they're leading the development of culturally rooted climate solutions.

To amplify Indigenous voices, research, and innovations, the Climate Institute, in partnership with the Centre for Indigenous Environmental Research, added four new case studies in 2022 to our Indigenous Perspectives series, showcasing the work of Indigenous researchers and Knowledge Holders.



**The Bagida'waad Alliance: Finding Our Way in the Fog and Charting a New Course** reveals how the Saugeen Ojibway Nation is adapting to the impacts of climate change on the Great Lakes.



**A Two-Roads Approach to Co-Reclamation: Centring Indigenous Voices and Leadership in Canada's Energy Transition** examines how the oil and gas sector must reckon with historic and on-going impacts on the land and on Indigenous rights holders.



**ᑭᓯᓱᓂᓂ ᓴᓴᓂᓂ, or Something Happened to the Weather** shares lessons from the Ahousaht First Nation's Land Use Vision process, applying the wisdom of Indigenous place names in a changing climate.



**Gitxsan Rez-ilience** provides a foundation for a wider, more inclusive understanding of what it means to be resilient in an Indigenous context.

***This webinar is gold! Thank you everyone for your valuable knowledge and time.***

—Pelin K.

***Thank you so much to all of the panelists! This was such a rewarding and enriching experience.***

—Charlotte T.

To highlight the contribution of these case studies and share them with a broader audience of climate researchers and policy makers, the Climate Institute organized a roundtable on July 6, 2022, focused on honouring Indigenous climate leadership.

This online event attracted more than 160 participants from across the country for a thoughtful discussion of Indigenous-led salmon restoration projects, shoreline cleanups, co-reclamation work, and more.

During the roundtable, Indigenous panelists tackled everything from decolonization to decarbonization. They also unpacked "two-eyed seeing," a concept where Indigenous and Western knowledge systems can complement one another's strengths to help inform and create holistic policies for the benefit of all.



## CASE STUDIES, SCOPING PAPERS, ESSAYS, AND MORE

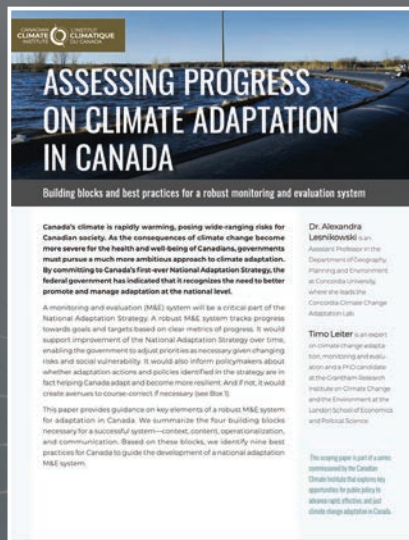
# Creating effective adaptation policies

How can Canada develop and implement adaptation policies that work? In **Closing Canada's Adaptation Gap**, we identify the four key elements that go into an effective National Adaptation Strategy: clear priorities and goals based on greatest risks, concrete policy measures to achieve them, mechanisms for improved policy coordination and delivery, and a robust framework for monitoring and evaluating progress.

In **Assessing Progress on Climate Adaptation in Canada**, we summarize the four building blocks

necessary for a successful monitoring and evaluation system—context, content, operationalization, and communication—and identify nine best practices to guide its development.

Finally, we examine how federal and regional governments can coordinate more effectively in **A Whole-of-Government Approach to Climate Adaptation**. This scoping paper considers ways to improve coordination in government decision making and to mainstream adaptation objectives into policies, programs, and operations.



# Supporting a smooth energy transition

In July 2022, the federal government released a discussion paper on proposed oil and gas caps. **Aligning Canada's Oil and Gas Sector with Net Zero** is our response, presenting key design elements that must be incorporated into any path forward. Meanwhile, our **Transition Pathways for Canada's Oil and Gas Sector** paper outlines opportunities for the industry to decarbonize operations and develop new net zero products.

We also explore **Electricity Affordability and Equity in Canada's Energy Transition** with a scoping paper that provides options for rate design and electricity system funding. We delve into the affordability issue further with widely read op-eds in the *Globe and Mail* (**Electric Federalism: An Idea Whose Time Has Come**) and *Corporate Knights* (**Going Electric Will Save Canadians Money on Energy Costs**).

But electricity is only part of the equation. Clean fuels that produce considerably fewer emissions than their conventional counterparts are also likely to play a key role in Canada's energy transition. In **Unpacking the Barriers to First-of-kind Clean Fuel Projects in Canada**, we look at market and policy failures hindering the adoption of clean fuel solutions and technologies—and what governments can do about it.

In the United States, new incentives under the Inflation Reduction Act provide additional public support for carbon capture, utilization, and storage (CCUS) technology, prompting some industry leaders to raise concerns investment in CCUS technology will be lured south of the border. **Comparing Canadian and American Financial Incentives for CCUS in the Oil Sector**, co-published with the Pembina Institute, dispels those worries, finding that the regulations and incentives offered by Canadian governments for CCUS in upstream oil amount to more than those offered in the U.S.

We also added to our series of case studies examining what Canada can learn from other jurisdictions. In 2022, we looked at how the oil and gas sectors in **Denmark, Scotland, and New Zealand's Taranaki Region** are managing the transition to net zero in ways that grow the prosperity and well-being of workers, communities, stakeholders, and rights holders.

A smooth transition will require action at all levels of government. Our op-ed in the Toronto Star looks at **Five Ways Provinces Can Drive Climate Policy Forward in Canada** by working together with Ottawa.





# Facilitating private-sector investments in a low-carbon future

While governments have crucial roles to play in getting Canada to net zero, decarbonizing Canadian industry will also require billions of dollars in private-sector investments.

The Climate Institute contributed significantly to the **Taxonomy Roadmap Report**, released by Canada's Sustainable Finance Action Council in March 2023. This landmark document proposes a framework to define "green" and "transition" projects, helping private investors choose projects that align with Canada's net zero targets.

For those investments to make sense, firms and investors must be confident that Canada's carbon price will actually increase as scheduled and that the value of carbon credits will closely track those increases. In **Closing the Carbon-Pricing Certainty Gap** and a series of related op-eds and blogs, we outline why the federal government should take urgent action to guarantee carbon price increases and the future value of carbon credits. That proposal was picked up in Budget 2023, which includes commitments to move forward with carbon contracts for differences in various forms.

In March 2023, we published **Seven Recommendations to Leverage Public Investment to Help Canada Compete in the Global Energy Transition**. This policy brief proposed ways Canada can design policies and leverage public support to compete with the U.S. and mobilize private investment in clean growth projects.

Our policy recommendations were informed by a series of case studies focused on international practices in mobilizing private finance for clean growth. We look at **Hydrogen Tax Credits in the U.S. Inflation Reduction Act** and how their design can inform Canada's support for hydrogen fuels. We show how the experiences of **Australia's Green Bank** can help improve the Canada Infrastructure Bank and the Canada Growth Fund. And in **Longship Carbon Capture and Storage in Norway's North Sea**, we share lessons that Canada's oil and gas sector can learn from Norway's efforts to jumpstart a European carbon capture and storage market.



## WHO'S INVOLVED

# Board of Directors

The Canadian Climate Institute's Board of Directors provides overall strategic direction and ensures the Institute's operational excellence, transparency, and financial accountability. As of March 2023, Board members included:

### **Peter Nicholson (Chair)**

Retired inaugural president of the Council of Canadian Academies  
Annapolis Royal, NS

### **Alain Bourque**

Directeur général Ouranos – Consortium sur les changements climatiques  
Montréal, QC

### **Jordyn Burnouf**

Advisor to the Minister of Environment and Vice President of the Métis Nation-Saskatchewan  
Saskatoon, SK

### **Mel Cappe**

Professor, Munk School of Global Affairs and Public Policy, University of Toronto  
Toronto, ON

### **Catherine Cobden**

President and CEO of the Canadian Steel Producers Association  
Ottawa, ON

### **Jasmine Ighneski**

Vice President, Policy, Sustainability and Government Relations at Parkland Corporation  
Oakville, ON

### **Gordon R. Lambert**

Member of the Export Development Canada CSR advisory council; Suncor Energy and Sustainability Executive in Residence at the Ivey Business School  
Calgary, AB

### **Bruce Lourie**

President of the Ivey Foundation  
Toronto, ON

### **Normand Mousseau**

Professor of physics, Université de Montréal et Directeur académique de l'Institut de l'énergie Trottier  
Montréal, QC

### **Sandra Odendahl**

Senior Vice President and Head of Sustainability and Diversity at the Business Development Bank of Canada  
Toronto, ON

### **Eme Onuoha**

Managing Director, International Public Affairs at CPP Investments  
Ottawa, ON

### **Mira Oreck**

Executive Director, The Houssian Foundation  
Vancouver, BC

### **Chris Ragan**

Directeur de la Max Bell School of Public Policy de l'Université McGill  
Montréal, QC

### **Sybil Seitzinger**

Professor, School of Environmental Studies  
University of Victoria  
Victoria, BC

### **Tosh Southwick**

Consultant and Founding Partner, IRP Consulting  
Whitehorse, Yukon

### **Matt Wayland**

Executive Assistant to the International Vice President and Canadian Director of Government Relations for the International Brotherhood of Electrical Workers (IBEW) Canada  
Niagara-on-the-Lake, ON

# 2022-23 Expert panels

Our work is grounded in the best available research and evidence and informed by a prominent group of experts from across Canada. Three Expert Panels (Adaptation, Mitigation, and Clean Growth) provide guidance on research scope and methods, technical review for major publications and policy recommendations, and advice to support the Institute's engagement and communications initiatives.

## ADAPTATION PANEL

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### **Jimena Eyzaguirre (Chair)**

International Team Director and Senior Climate Change Adaptation Specialist  
ESSA Technologies Ltd.  
Ottawa, ON

### **Jean Andrey**

Dean, Faculty of Environment  
University of Waterloo  
Waterloo, ON

### **Daniel Henstra**

Professor, Political Science  
University of Waterloo  
Waterloo, ON

### **Margot Hurlbert**

Faculty, Johnson Shoyama  
Graduate School of Public Policy  
Regina, SK

### **Don Iveson**

Former mayor of Edmonton and  
Executive Advisor  
Climate Investment and  
Community Resilience  
Edmonton, AB

### **Caroline Larrivée**

Director of Scientific  
Programming  
Ouranos – Consortium sur les  
changements climatiques  
Montréal, QC

### **Alexandra Lesnikowski**

Assistant Professor, Department  
of Geography, Planning and  
Environment, Concordia  
University; Head of the  
Concordia Climate Change  
Adaptation Research Lab  
Montréal, QC

### **Deborah McGregor**

Canada Research Chair  
Indigenous Environmental  
Justice  
York University  
Toronto, ON

### **Nancy Olewiler**

Professor, School of Public Policy  
Simon Fraser University  
Vancouver, BC

### **Roger Street**

Research Associate  
Environmental Change Institute  
University of Oxford  
Oxford, UK

### **Enooyaq Sudlovenick**

Marine Mammal Scientist  
and PhD Student  
University of Manitoba  
Winnipeg, MB

### **Jean-Patrick Toussaint**

Senior Climate Director  
Trottier Family Foundation  
Ottawa, ON

### MITIGATION PANEL

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**Kathryn Harrison (Chair)**

Professor of Political Science  
University of British Columbia  
Vancouver, BC

**Louis Beaumier**

Directeur exécutif  
Institut de l'énergie Trottier  
Montréal, QC

**Annie Chaloux**

Associate Professor  
Université de Sherbrooke  
Montréal, QC

**Mark Jaccard**

Director and Distinguished  
Professor  
School of Resource and  
Environmental Management  
Simon Fraser University  
Vancouver, BC

**Andrew Leach**

Professor  
University of Alberta  
Edmonton, AB

**Corey Mattie**

Mi'kmaw from K'jpuktuk and  
a member of the Indigenous  
Professional Association of  
Canada  
Halifax, NS

**Juan Moreno-Cruz**

Associate Professor  
School of Environment,  
Enterprise and Development;  
Canada Research Chair in  
Energy Transitions at the  
University of Waterloo  
Waterloo, ON

**Maria Panezi**

Assistant Professor of Law  
University of New Brunswick Law  
Fredericton, NB

**Nicholas Rivers**

Canada Research Chair  
Climate and Energy Policy  
University of Ottawa  
Ottawa, ON

**Kwatuuma Cole Sayers**

Executive Director, Clean  
Energy BC,  
Vancouver, BC

**Kristen van de Biezenbos**

Associate Professor  
University of Calgary Faculty of  
Law and Haskayne School of  
Business  
Calgary, AB

**Jennifer Winter**

Assistant Professor  
Department of Economics;  
Scientific Director, Energy and  
Environmental Policy Research  
Division, School of Public Policy  
University of Calgary  
Calgary, AB



### CLEAN GROWTH PANEL

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**Sara Hastings-Simon (Chair)**

Research Fellow  
University of Calgary  
Calgary, AB

**Catherine Beaudry**

Canada Research Chair  
Creation, Development and  
Commercialization of Innovation  
Polytechnique  
Montréal, QC

**Preety Bhandari**

Senior Advisor  
Global Climate Program and the  
Finance Center  
World Resources Institute (WRI)  
Arlington, VA

**Yves Bourgeois**

Professor of Regional  
Economics and Dean of Studies  
Université de Moncton, campus  
de Shippagan  
Shippigan, NB

**Don Drummond**

Stauffer-Dunning Fellow  
Queen's University  
Ottawa, ON

**Stewart Elgie**

Executive Chair  
Smart Prosperity Institute  
Professor, Law and Economics  
University of Ottawa  
Ottawa, ON

**Tamara Krawchenko**

Assistant Professor  
School of Public Administration;  
member of the Institute for  
Integrated Energy Systems  
University of Victoria  
Victoria, BC

**Priyanka Lloyd**

Executive Director  
Green Economy Canada  
Waterloo, ON

**Peter W.B. Phillips**

Founding Director  
Johnson-Shoyama Centre  
for the Study of Science and  
Innovation Policy  
University of Saskatchewan  
Saskatoon, SK

**Mark Rowlinson**

Former President  
Blue Green Canada  
Toronto, ON

# Advisory council

Our advisors are leaders in government, industry, and civil society across Canada. Their perspectives help ensure the Institute's work is relevant, timely, and practical.

**Catherine Abreu**

Founder and Executive Director,  
Destination Zero  
Ottawa, ON

**Adam Auer**

President and CEO,  
Cement Association of Canada  
Ottawa, ON

**Alain Brandon**

Vice President, Sustainability,  
Social Impact and  
Government Relations,  
Loblaw Companies Limited  
Toronto, ON

**Corey Diamond**

Executive Director,  
Efficiency Canada  
Toronto, ON

**Robert Larocque**

President and CEO,  
The Canadian Fuels Association  
Ottawa, ON

**Steve Lee**

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