

2019 ANNUAL REPORT

eco•fis•cal policy /ekō'fiskəl/ adj.

An ecofiscal policy corrects market price signals to encourage the economic activities we do want (job creation, investment, and innovation) while reducing those we don't want (greenhouse gas emissions and the pollution of our land, air, and water).

VISION

A thriving economy underpinned by clean air, land, and water for the benefit of all Canadians, now and in the future.

MISSION

To identify and promote practical fiscal solutions for Canada that spark the innovation required for increased economic and environmental prosperity.

For more information about the Commission, visit Ecofiscal.ca

LETTER FROM THE CHAIR

This marks our final annual report, as the Commission comes to the end of our five-year mandate. In 2019, our work focussed once again on carbon pricing — a topic we first addressed in 2014 and have returned to regularly.

Since our launch, the political landscape around carbon has changed significantly — and so has our In March, with the federal backstop about to launch and discussions about carbon pricing becoming We also took a strategic departure from our core mandate in 2019. After careful consideration, the

communications strategy. Phase one saw us building the case that good environmental policy makes economic sense, creating space for policy-makers to bring ecofiscal ideas to the table. In 2018 we moved into phase two, focusing more on public education as the debate about carbon pricing heated up. That continued in 2019. increasingly polarized, we launched 10 Carbon Myths. Our easy-to-understand infographics helped set the record straight about pricing pollution. Meanwhile videos, blogs and an extensive social media campaign ensured we reached as many Canadians as possible. In August, we followed that up with Six Places Where Carbon Pricing is Working — an essay highlighting successful examples of carbon pricing around the world. Commission agreed to intervene as a "friend of the court" in the two provincial challenges to federal carbon pricing. In both cases, the court concluded that the pricing framework was legal.

With the publication of Bridging the Gap in November 2019, we shifted to phase three, putting our attention back on policy-makers. In this final Ecofiscal report, we compared the cost-effectiveness of carbon pricing with other policy tools to drive reductions in greenhouse gas emissions.

Of course, carbon wasn't the only issue we tackled over the past five years. Our report on traffic congestion generated significant media attention, and our report on municipal waste informed the City of Calgary's new pay-as-you-throw program. Meanwhile, our research into pricing environmental risk has been widely cited by First Nations groups.

At this point, it's too soon to say what the Commission's legacy will be. In the short term, we've succeeded in catalyzing discussion, building a body of evidence and showing that good ecofiscal policies can be smart, practical and possible. More broadly speaking, we've made the premise of pollution pricing a publicly recognized concept.

But our impact doesn't end there. As the Commission wraps up its mandate, we're confident our reports and blogs will continue to be useful, informing policy decisions long after we've pulled down the blinds and locked the door.

As we acknowledge in more detail in the final section of this report, this was a team effort. Here, I will simply say thank you to the many dedicated and talented people who made these successes possible.



Chris Ragan, Chair

TEN MYTHS ABOUT CARBON PRICING IN CANADA

As governments prepared to roll out carbon pricing across Canada, it became a divisive issue. In response, we chose to focus much of our efforts this year on the broader public – presenting the case for pricing carbon without the economic jargon.

We know that carbon taxes or cap-and-trade systems can reduce emissions without significant economic impacts. But that's not what many Canadians were hearing. To make the real facts public, the Ecofiscal Commission published *Ten Myths* about Carbon Pricing in Canada in March.

It found a big audience. The report and infographic attracted over 100,000 website visitors and were shared widely over social media. Meanwhile, our two-minute video garnered more than half a million YouTube views.

SIX PLACES WHERE CARBON PRICING **IS WORKING**

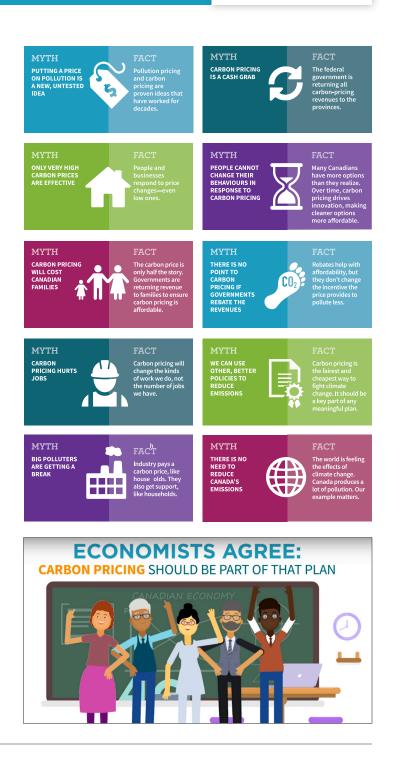
Each year, more jurisdictions around the world are putting a price on carbon — cutting greenhouse gas emissions without curbing economic growth. Six Places Where-Carbon Pricing is Working, released in August, put the spotlight on the successes of B.C., the northeastern United States, Sweden, the U.K., Tokyo and the European Union.

C The goal of this week's report is to get more facts about carbon pricing circulating while squeezing out some unfounded fears, and it could not have come a moment too soon.

Tabatha Southey, Maclean's online

C Ecofiscal's stream of reports, blog posts, videos and Twitter feeds has been a major influence on the media and government policymakers, and on the outcome of elections provincially and nationally. **33**

Terence Corcoran, Financial Post



CANADA'S ECOFISCAL COMMISSION Protical solutions for growing prosperity

10 MYTHS

BRIDGING THE GAP

Carbon pricing may be an effective and efficient tool to reduce greenhouse gas emissions, but the idea continues to meet plenty of opposition. Today, governments and political parties are exploring regulations, subsidies and other approaches. In our latest report, we look at how those options stack up.

The country's leaders have committed to reducing greenhouse gas emissions by 30 per cent below 2005 levels in the next ten years. The question is how. As we saw in the 2019 federal election, politicians must provide climate policies that are both effective and cost-effective.

In Ecofiscal's final report, Bridging the Gap: Real Options for Meeting Canada's 2030 GHG Target, we explore the three main approaches Canada can use to scale up climate policy:

- 1) carbon pricing with dividends (e.g., increasing the national price on carbon year over year and ensuring revenues flow back to households in the form of a rebate)
- 2) regulations across the entire economy, instead of increasing carbon prices (e.g., requiring companies to cut their emissions intensity in half and providing significant subsidies to consumers who buy electric vehicles), plus a mix of subsidies
- 3) regulations focused on industry only (e.g., subsidizing companies that purchase low-carbon technologies), plus a mix of subsidies

According to our analysis, any of the three approaches can meet Canada's 2030 target, provided they are stringent enough. However, carbon pricing clearly delivers the lowest-cost emissions reductions - and also generates revenue that can be returned to Canadians. Our economic modelling shows that by 2030, carbon pricing will cost each Canadian \$1,200-\$3,300 less than the two other approaches.

The Ecofiscal Commission believes that some frank talk from all political parties about the true costs and benefits of their plans will help voters to make the right choices for their pocketbooks and the planet. 77

David Aiken, Global News



C Ecofiscal has played a monumentally important role in advancing the conversation on smart climate policy generally and carbon pricing specifically. Their analysis and ability to translate findings into policy-relevant recommendations has led to concrete results. Their work will continue to be used by policymakers and climate advocates alike for many years to come. **))**

Michael Bernstein, Executive Director, Clean Prosperity

There are some things that can't be achieved with carbon pricing — like dealing with difficult-to-measure emissions from landfills or reducing range anxiety for prospective electric vehicle customers. That's where complementary policies such as regulations and subsidies have a role to play. But as we conclude in Bridging the Gap, relying on regulations and subsidies to do work that can be achieved through carbon pricing will cost more.

Bridging the Gap attracted significant media attention, including coverage by CBC Power & Politics, Global News, the National Post and The Star. As an editorial in the Globe and Mail put it, "Ecofiscal rightly emphasizes the benefits of carbon pricing because, in most situations, it's likely to be the most economically efficient and least costly route. It's also the tool that puts the most control in the hands of individuals."



IMPROVING THE EFFICIENCY OF CLIMATE POLICIES

The costs of Canada's climate policies have real implications for jobs, standards of living and the country's economic prospects. Relying on carbon pricing to meet Canada's target requires steadily increasing the carbon price by roughly \$20/tonne every year from 2023 until 2030. Regulations could have significant impacts on industrial production. Meanwhile, aggressive new green subsidies would mean increasing either taxes or public debt to pay for them.

However, the costs of not acting are far greater. Climate change is the biggest and most consequential risk facing humankind. To reduce this risk — and to meet the country's international commitments - Canada must ramp up ambition.

Which approach governments choose to take is important. But how they design and implement policies matters just as much. Our analysis finds that careful policy design may reduce the resistance of households and businesses to meaningful, increasingly stringent climate policy. The most economically efficient policy packages include:

- recycling the revenues from carbon pricing into corporate and personal income tax reductions
- incorporating flexibility into regulations in terms of how households and businesses reduce their greenhouse gas emissions
- The commission shows over and over again how an escalating carbon price accompanied by rebates — the Trudeau way — is the most transparent and the least costly for the economy and taxpayers. **77**

DEFENDING CARBON PRICING IN COURT

In 2019, both the Ontario and Saskatchewan governments took the federal government to court to contest the legality of its carbon pricing policy. After careful consideration, we decided to step beyond our core mandate and intervene as a friend of the court. Commissioner Stewart Elgie served as counsel for Ecofiscal, presenting the constitutional and environmental arguments for carbon pricing. And they proved effective. In both cases, the majority of judges ruled in favour of the federal carbon pricing policy.

- avoiding the use of subsidies, since using taxes to fund them can reduce investment and slow economic growth
- broadening the coverage of climate policies while avoiding overlap and duplication
- coordinating individual policies to provide a consistent incentive across the entire economy to reduce carbon emissions

Based on our analysis in *Bridging the Gap*, we provide three recommendations for policy-makers:

- 1. Governments should make sure their policies are stringent enough to meet targets and close any gaps. Stringency will need to rise under any policy approach to create stronger incentives that lead to deeper emissions reductions over time.
- 2. If governments wish to meet their climate goals at least cost, they should rely on increasingly stringent carbon pricing to achieve Canada's emissions targets.
- 3. If policy-makers opt for alternatives to carbon pricing, they should rely on increasingly stringent, flexible regulations instead - although developing efficient, flexible regulations presents significant administrative and implementation challenges.



Chris Ragan explains The Logic of Pollution Pricing in our final video.

LESSONS LEARNED

Over the past five years, the Ecofiscal Commission has shaped discussions and influenced policies on pollution pricing across the country – from Canada's carbon pricing framework to Calgary's new pay-as-you-throw garbage fee. What can other organizations learn from our experience?

Undoubtedly, some of our impact was due to good timing, receptive audiences and the actions of other players to drive pollution pricing. And with no counterfactual, it's difficult to say what might have been achieved without our efforts. But where we can claim some credit for moving ecofiscal policies forward, what factors contributed to that success?

The following list emerged from internal conversations, a panel discussion about our work organized by the Max Bell School of Public Policy in November and a case study on the Commission currently being developed by the Institute for Science, Society and Policy at the University of Ottawa:

- Independence: As a non-partisan group, we had no political agenda. Meanwhile sufficient, long-term funding from private sources left us free to get on with our work.
- **Credibility:** Our commissioners were widely respected academics with diverse viewpoints, backed up by a highprofile advisory board drawn from across the political spectrum.
- **Rigour:** Our reports drew on the best evidence and in-depth discussion with our commissioners, carefully weighing tradeoffs between policy approaches.
- **Strategic communications:** Thoughtfully targeted reports, briefings and workshops ensured our analysis reached policy makers, while media interviews, infographics and explainer videos helped create public understanding.
- Strong leadership: A highly competent chair and executive director steered the organization, found common ground amongst our commissioners and articulated ideas clearly and concisely for national media.
- Discipline: Despite opportunities to deviate from our mandate, we maintained a consistent focus on economic analysis and policy development.
- **Practical focus:** Although our commissioners brought unimpeachable academic credentials, this was not an ivory tower exercise. Our focus was providing practical advice that governments could implement.



C The Ecofiscal Commission contributed greatly to the increased adoption of pollution pricing, by providing credible non-partisan research to policy-makers and businesses across Canada. The behaviour change spurred by this research will be felt for years to come.

C The Ecofiscal Commission has had a significant public policy and political impact in the country – and that's no small thing.

> David McLaughlin, former president and CEO of the National Round Table on the Environment and the Economy and Senior Advisor, Climate Change, Government of Manitoba

Ironically, Ecofiscal's initial success in promoting carbon pricing led to our biggest challenge. When carbon pricing became closely associated with the federal government, it became a partisan issue, forcing us to navigate a highly polarized political landscape in the later years of our mandate. While we brought deep expertise in economics and policy development, we were not always equipped to address the significant political and social obstacles to implementing ecofiscal policies that emerged.

On balance, however, we believe the Commission served a unique and influential role, complementing think tanks and schools of public policy and providing a model that can be adapted more broadly.

OUR IMPACT

Over the past five years, the Commission has engaged with audiences — online and in person — from coast to coast. Together, we are making an impact on Canadian policy. In our final annual report, we look back and summarize the various metrics we've been tracking.

	2019	Total
0		
ECOFISCAL RESEARCH	3	19
MAJOR REPORTS	1	10
SMALL REPORTS	0	6
REPORTS/ESSAYS FOR THE BROADER PUBLIC	2	3
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MEDIA MENTIONS	3,460	9,672
WEBSITE ACTIVITY		
PAGEVIEWS	288,168	978,838
USERS	159,425	300,778
SOCIAL NETWORKING		
FACEBOOK LIKES		1,916
You Tube YOUTUBE VIDEO VIEWS		2,063,317
TWITTER FOLLOWERS		9,488
in LINKEDIN FOLLOWERS		1,245
BLOGS	44	355

8 5	74	
-	74	
5	1.1	
	49	
3	14	
0	11	
43	464	
16	193	
19	211	
2	43	
6	17	
36	139	
GOOGLE SCHOLAR 36 139 CRCBC has adopted the circular economy as its overarching strategy to promote economic and		

 RCBC has adopted the circular economy as its overarching strategy to promote economic and environmental sustainability. The Ecofiscal Commission's waste-related work, providing substantive fact-based evidence, supports our efforts in demonstrating waste elimination as a sound financial approach to resource conservation.

Chief Executive Officer, Recycling Council of British Columbia

TOP 5 ECOFISCAL POLICY ADVANCES

CARBON PRICING

PRICING POLLUTION CANADA WIDE

On January 1, 2019, the Output-Based Pricing System (OBPS), a regulatory trading system for industry,

came into effect. On April 1, 2019, the federal backstop came into effect in Ontario, New Brunswick, Manitoba, and Saskatchewan, bringing household and small business carbon pricing to the entire country. The carbon revenues generated in these provinces were mainly returned to households via an income tax credit called the Climate Action Incentive, with the balance of funds used to support schools, hospitals and small businesses.

RISK PRICING

MINING DISASTERS AND CLOSURES ASSEMBLY OF FIRST

NATIONS Who pays for cleanups after mining disasters or mine closures? In early 2019, the

First Nations Energy and Mining Council in B.C. put out a series of reports calling for changes in the financial assurance requirements covering these situations — and Ecofiscal's *Responsible Risk* report was cited frequently. The Assembly of First Nations then took up the issue, passing a resolution in December affirming their right to require financial assurance for full mine remediation and protect against the risk of mining disasters, as well demanding legislation and policies that ensure that mining companies provide full, upfront financial assurance for the cost of cleanup.



PAY AS YOU THROW

CITY OF CALGARY On January 1, 2019 the City of Calgary completed its transition to a user-fee model for curbside waste collection (i.e., its black,

green and blue cart programs). The City scrapped its more

general Waste Management Charge, which was applied through the property tax system, and replaced it with a more direct user fee for its black (garbage) carts. The City is also introducing a pay-as-you-throw program, where residents will pay an extra \$3 fee for each bag of excess garbage, and a pilot project using RFID technology where black cart fees will vary based on how often people have their black carts emptied. These changes draw heavily on our *Cutting the Waste* report, which included a case study on the City of Calgary. The new user-fee model ensures residents pay and see the full program costs for all city curbside collection, creating a stronger link between how much waste residents generate and how much they pay.



RESIDENTIAL WATER METERING

METRO VANCOUVER In August 2019, Metro Vancouver published a best practices guide for local governments about residential water metering.

The report cites the Ecofiscal Commission's 2017 water report *Only the Pipes Should be Hidden*. Among other things, the guide recommends moving toward universal water metering.



NEW YORK CHARGE AREA MANHATTAN, US

While it's not a Canadian example (unfortunately, despite continued conversations in Canada), New York City approved a

plan which will make it the first U.S. city to apply congestion fees on vehicles traveling into or within the Manhattan central business district. The traffic congestion fees go into effect in 2021. The approved plans follow many failed plans (2007 with Mayor Bloomberg, 2015 by transportation engineer Sam Schwartz). Here's hoping Canadian cities will follow New York's lead and implement congestion pricing policies of their own. Toronto came close in 2016, when it tried tolling the Don Valley Parkway and Gardiner expressway, but the policy was ultimately stopped by the provincial government.

FINAL THANK YOU AND NEXT STEPS

When we set out on this Ecofiscal adventure five years ago, our goal was to make the economic case for environmental policy, catalyze conversations and inform practical solutions. And in that, we've succeeded.

In the "Lessons Learned" section earlier in this report, we identified the key factors that contributed to that success. But our accomplishments are also due in no small part to the people who make up the Commission.

Our staff and commissioners brought extraordinary levels of effort, commitment and competence to their work. The KTG Public Affairs team provided strategic communications savvy that ensured our messages reached their intended audience. Meanwhile, advisors from industry, not-for-profits and government — representing every point along the political spectrum - lent their names and reputations to the endeavour.

Finally, we owe a tremendous debt of gratitude to our visionary funders, who saw a need for this undertaking, bankrolled us for our entire five-year mandate and left us free to get on with the work instead of constantly chasing funding.

Thank you. With your support, we've shown that ecofiscal policies can be smart, practical and possible. Now, it's time for other organizations to carry this work forward, creating new insights into the best ways to put a price on pollution.

THANK YOU.



A number of our Commissioners in attendance and speaking at the Max Bell School of Public Policy conference Better Policy for a Better World in early November 2019, at McGill University



WHO WE ARE COMMISSIONERS

Chris Ragan, Chair McGill University

Elizabeth Beale Economist

Paul Boothe Western University

Mel Cappe University of Toronto

Bev Dahlby University of Calgary Queen's University **Stewart Elgie**

Don Drummond

University of Ottawa

Glen Hodgson C.D. Howe Institute

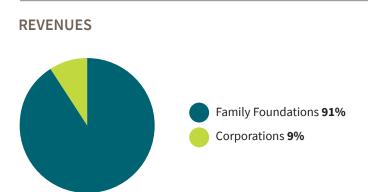
Justin Leroux HEC Montréal

ADVISORS

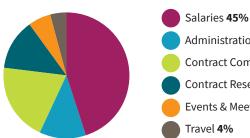
Elyse Allan **Gordon Campbell** Jean Charest Karen Clarke-Whistler Jim Dinning

Peter Gilgan **Michael Harcourt Bruce Lourie** Paul Martin **Peter Robinson**

REVENUES AND EXPENDITURES 2019: ~\$1.3 MILLION



EXPENDITURES



Administration 12% Contract Communications 20% Contract Research 13%

Events & Meetings 6%

Travel 4%

Fondation

FUNDERS & SUPPORTERS

Peter Gilgan Foundation

THE J.W. MCCONNELL FAMILY FOUNDATION **Max Bell Foundation**

LA FONDATION DE LA FAMILLE J.W. MCCONNELL





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Funders present at a thank you lunch hosted by McGill University in November 2019.

International Financial Consulting Ltd.

Richard Lipsey Simon Fraser University

Nancy Olewiler Simon Fraser University

France St-Hilaire Institute for Research on Public Policy

Lindsay Tedds University of Calgary

Lorne Trottier Annette Verschuren Steve Williams

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Find out more and share your views.



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Canada's Ecofiscal Commission was formed by a group of experienced, policy-minded economists from across the country, seeking to broaden the discussion of ecofiscal policy reform beyond the academic sphere and bring it into the realm of practical policy application. The Ecofiscal Commission and its commissioners are fully independent and aim to serve policy-makers across the political spectrum, at all levels of government.