Let's **Green Economy**

Vorksho Dolkii

Make the Green Economy Work for Your Business

arbon⁶¹³ envirocentre envirocentre

project was undertaken with the financial support of: iet a été réalisé avec l'appui financier de :

Environment and

Environnement et Climate Change Canada Changement climatique Canada

The Economics of Climate Change: A Global Perspective



"Using the results from formal economic models, the Review estimates that if we don't act, the overall costs and risks of climate change will be equivalent to losing at least 5% of global GDP each year, now and forever. If a wider range of risks and impacts is taken into account, the estimates of damage could rise to 20% of GDP or more.

In contrast, the costs of action – reducing greenhouse gas emissions to avoid the worst impacts of climate change – can be limited to around 1% of global GDP each year.

Costs could be even lower than that if there are major gains in efficiency, or if the strong co-benefits, for example from reduced air pollution, are measured. Costs will be higher if innovation in low-carbon technologies is slower than expected, or if policy-makers fail to make the most of economic instruments that allow emissions to be reduced whenever, wherever and however it is cheapest to do so.

Climate change is the greatest market failure the world has ever seen, and it interacts with other market imperfections."

The Economics of Climate Change: The Stern Review, 2006 (UK)

"In 2012, the global market size for clean technologies, broadly defined and produced by all industry sectors, was estimated to be approximately \$5.8 trillion, and growing at a rate of over 3% per year. To effectively compete in this global marketplace and capitalize on the current and future economic opportunity, Canada needs a step change in its investment and approach to clean technology development, commercialization and adoption.

Further development of clean technologies could create new opportunities in Canada's traditional resource sectors and new employment opportunities."

Working group on Clean Technology, Innovation and Jobs Final Report, 2016 (Canada)

"Canada has many of the ingredients needed to succeed in capturing a significant share of [the] growing global markets: strong education, research capacity and entrepreneurship.

Combined with high levels of expertise in many of the sectors seeking clean technology solutions – including electricity, oil and gas, mining, forestry, manufacturing, information and communications technology, agriculture, finance and construction – Canadians have enormous potential to develop and export the cleaner technologies, products and services that are increasingly in demand globally."

<u>8 Reasons for Canada to Build a Clean Economy Now – Smart Prosperity</u> Institute (Canada)

Green Economy in the News



Business Commitments

IKEA to Invest \$220 million Into Becoming 'Climate Positive' - Green Biz www.greenbiz.com/article/ikea-invest-220-million-becoming-climate-positive

Your Company's Next Leader on Climate is ... the CFO - Harvard Business Review https://hbr.org/2020/01/your-companys-next-leader-on-climate-is-the-cfo

Green Jobs

11 of the Fastest Growing Green Jobs - National Geographic www.nationalgeographic.com/environment/sustainable-earth/11-of-the-fastest-growing-greenjobs/



Success Stories & Examples

Network Case Studies - Green Economy Canada https://greeneconomy.ca/case-studies/

This Little Known Renewable Energy Utility Gained a Stunning 23% in 2019 - The Motley Fool www.fool.ca/2020/01/28/this-little-known-renewable-energy-utility-gained-a-stunning-23-in-2019/

Canadian Small Businesses Leading the Way in Sustainability - University of Waterloo www.eurekalert.org/pub_releases/2018-04/uow-csb040418.php

Small Business Case Studies - Save on Energy https://saveonenergy.ca/For-Your-Small-Business/Small-business-Case-Studies

Business Case Studies - Save on Energy https://saveonenergy.ca/For-Business-and-Industry/Business-Case-Studies

Ottawa's Energy Outlook: 20 Energy Management Case Studies - Sustainable Eastern Ontario <u>https://sustainableeasternontario.ca</u>

Customer Success Stories - Enbridge https://enbridgesmartsavings.com/business-energy-management/customer-success-stories

Environmental and Social Governance (ESG) / Finance

The State of Socially Responsible Investing -Harvard Business Review https://hbr.org/2019/01/the-state-of-socially-responsibleinvesting

The Remarkable Rise of ESG - Forbes www.forbes.com/sites/georgkell/2018/07/11/ the-remarkable-rise-of-esg

Money Moving into Environmental Funds Shatters Previous Record -CNBC www.cnbc.com/2020/01/14/esg-funds-seerecord-inflows-in-2019.html

Climate Change to Drive Massive Investment Shift - BBC www.bbc.com/news/business-51111727



Growing Clean: Investment Flows in Low Carbon Technology to 2030 - Smart Prosperity Institute <u>https://institute.smartprosperity.ca/library/publications/growing-clean-investment-flows-low-carbon-technology-2030</u>

Climate Change Becomes a Top Business Threat - AXIOS www.axios.com/climate-change-business-threat

Ten Global Companies that are Environmentally Friendly - Virgin Unite <u>www.virgin.com/virgin-unite/10-global-companies-are-environmentally-friendly</u>

Oil Major Pledges to Become Carbon Neutral by 2030, Drawing Sharp Criticism from Climate Activists - CNBC www.cnbc.com/2020/01/27/oil-lundin-petroleum-pledges-to-become-carbon-neutralby-2030.html

Innovation

Giant Canadian Construction Project Incorporates Low Carbon Heating and Cooling: Don Pittis - CBC https://www.cbc.ca/news/business/climate-heat-cooling-1.5437701

\$64 Million For Renewable Hydrogen, Not Natural Gas - Clean Technica https://cleantechnica.com/2020/02/01/64-million-makes-it-official-renewable-hydrogen-innatural-gas-out-eventually

12 Canadian Cleantech Companies Recognized Among World's Top 100 - MarS <u>www.newswire.ca/news-releases/12-canadian-cleantech-companies-recognized-among-</u> <u>world-s-top-100-855222872.html</u>

Quebecor to Electrify 1,100 Vehicles, Making TVA and Videotron Fleets 100% Electric - Electric Autonomy https://electricautonomy.ca/2020/01/17/quebecor-to-electrify-1100-vehicles-making-tva-andvideotron-fleets-100-per-cent-electric/





Employees

Amazon Employees Mass-Protest its Climate Policy Despite Alleged Firing Threat -Cnet www.cnet.com/news/amazon-employees-mass-protest-its-climate-change-policy

Canada's Green 30 - Maclean's www.macleans.ca/economy/business/green-where-it-counts-the-green-30/

Renewables

Record Corporate Renewables Buys 'Reshaping Global Power Markets' -Recharge www.rechargenews.com/transition/record-corporate-renewables

Tech Giants Power Record Surge in Renewable Energy Sales - The Guardian www.theguardian.com/environment/2020/jan/28/google-tech-giants-spark-record-rise-in-salesof-renewable-energy

Could Selling Renewables be Alberta's Next Best Thing? - CBC www.cbc.ca/news/canada/calgary/alberta-renewable-energy-procurement

U.S. Electric Bus Demand Outpaces Production as Cities Add to their Fleets -Inside Climate News https://insideclimatenews.org/news/14112019/electric-bus-cost-savings-health-fuel-charging

Transitioning to 100% Renewable Energy by 2050 Would Pay For Itself - Weather Network www.theweathernetwork.com/ca/news/article/100-percentrenewable-energy-by-2050-would-pay-for-itself-in-7-years

Canada's Prospective Economy

Canada Can Be a Leader In the Global Electric-Car Battery Market - Globe and Mail www.theglobeandmail.com/business/commentary/article-canada-can-be-a-leader-in-theglobal-electric-car-battery-market/

Trudeau Government Investigating How Canadian Mining Industry Can Provide Rare-Earth Minerals Crucial to New Economy - Financial Post https://business.financialpost.com/commodities/mining/trudeau-government-does-spadeworkon-minerals-crucial-to-future-economy

Building Taller: BC Mass Timber Suppliers See Surging Sales in Canada, U.S. -Canadian Forest Industries

https://www.woodbusiness.ca/building-taller-bc-mass-timber-suppliers-see-surging-sales-incanada-us/





Diving Deeper



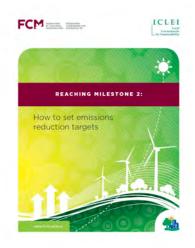
Zeroing in on Emissions David Suzuki Foundation Read PDF



Eight Reasons for Canada to Build a Green Economy Smart Prosperity Institute **Read PDE**



Sustainability Innovation in Canadian Small Businesses Centre for International Governance Innovation Read PDF



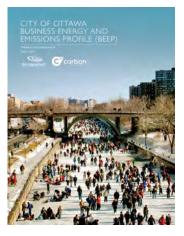
How to Set Emissions Reduction Targets Federation of Canadian Municipalities Read PDF



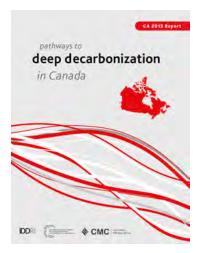
CLEAN ENERGY CANADA

October 2019

The Fast Lane Clean Energy Canada Read PDF



City of Ottawa Business Energy and Emissions Profile City of Ottawa Read PDF



Pathways to Deep Decarbonization in Canada SDSN and IDDRI <u>Read PDF</u>



Climate Change Guide for Businesses 2.0 Canadian Business for Social Responsibility **Read PDF**



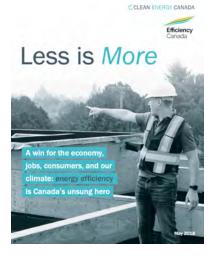
Sustainable Supply Chain Management in Canada Canadian Business for Social Responsibility Read PDF

PAN-CANADIAN FRAMEWORK



on Clean Growth and Climate Change Canada's Plan to Address Climate Change and Grow the Economy

Pan-Canadian Framework on Clean Growth & Climate Change Government of Canada Read PDF



Less is More Efficiency Canada <u>Read PDF</u>

Thank You!

Follow Carbon 613 to stay up to date with the latest sustainability news in Ottawa - or even better, join our network!

www.carbon613.ca



carbon613@envirocentre.ca



