

**June 2020**

## **FoSS MEMBERSHIP QUARTERLY NEWSLETTER No. 66**

**Dedicated to Providing Insights into Climate Science and Policies**

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### **PRESIDENT'S MESSAGE**

#### **You Floored Me! Thank you**

On May 19, I sent out an appeal for donations: [Please Help Prevent Foss From Becoming The Next COVID Casualty](#), where I stated that our operational funds would run out in September. I'll share that we were honestly concerned that our donor base would be fatigued, if not burnt out, during these difficult times. Well the generosity of our friends came through for us once again and I am thrilled to inform you that we have presently received a total of \$82,000. These funds are helping refuel our tank so we can maintain our efforts into 2021. I and the entire FoSS board are extremely grateful for the continued financial and moral backing from all of our supporters. Please see the fundraising committee section below for more details on our financial status and our future fundraising goals.

#### **You Have to Laugh to Keep From Crying**

We know that historical revisioning has been applied to temperature data to hide past warming periods. We have seen ISIS/ISIL destroy artifacts in the Middle East causing great cultural damage to ancient historical sites. Most recently, social justice warriors have been toppling statues of historic world leaders. So far though, we have not seen any proposal of what should replace these statues. This all changed a few weeks ago with a former mayor of a little remote Swedish municipality calling for the [removal of a statue of Sweden's King Charles XII](#). Charles XII was king from 1697 to 1718, basically a long time ago in very different times. Even Wikipedia presents him as "*an exceptionally skilled military leader and tactician as well as an able politician, credited with introducing important tax and legal reforms.*" But in these new times, where sustainability is the new yardstick for merit, the proposal is to replace Charles XII with a likeness of our favourite climate activist Greta Thunberg for her contributions to "*a more humane and more sustainable world*". Sadly, Greta's naivety is [being exploited](#) by the breathtaking social engineering scheme of the "We Don't Have Time" carbon offset green billionaires.

#### **Censorship Is Alive and Well**

You will recall that I have told you about censorship of our messaging in past newsletters. My [recounting of trying to manage](#) the FoS Wikipedia page resonated with many of you. Now we can add Facebook to our list of unfriendly sites. We have a very active following on Facebook. Our postings often receive over 100 comments per day. Posts on are shared several times with some even reaching 100 shares. However, when we try to use [Facebook's paid promotion](#) to reach an extended audience; we are told that our messaging is "*false news*". Facebook then rejects our promotion and our voice is censored. Fortunately, no payments are processed unless the ads are approved and promoted. Furthermore, Facebook is well known for its "shadow banning" practice whereby they block "*a user or their content from an online community such that the user does not realise that they have been banned.*" Shadow banning is a very stealthy trick and knowing whether you have been banned is not easy. Although Facebook does not treat us very kindly, they do provide a very useful, free vehicle for communicating our message, so please continue to share our posts on Facebook.

#### **Does Canada Need a Climate Law?**

Here we go again; "[some environmentalists and climate policy analysts think that Canada's chances of meeting its next two targets - for 2030 and 2050 - would improve if those commitments were written into law.](#)" Canada does not need any more climate laws. [We already have >600](#). Believing that new legislation would provide "*significant structural support for climate action*" is nothing more than advocating that humans are

## FRIENDS OF SCIENCE SOCIETY

held accountable for something that is not even a credible scientifically proven problem. Additionally, the proposed solutions to accomplish those targets are being based on the recent COVID quarantines. We have seen that the excuse to civilly imprison all age groups to fight COVID has severely damaged all industries. A definite side effect of the quarantines has been a reduction in hydrocarbon consumption which resulted in less CO<sub>2</sub> emissions. Now these advocates of reducing man made CO<sub>2</sub> emissions to prevent climate change want to use the same restrictive tactics to stop climate change. The politicians that listen to these misguided advocates must realize that ending hydrocarbon usage will ultimately completely destroy the world economy and increase worldwide poverty.

### Our ongoing appeal...

In these topsy-turvy “new normal” times, it is difficult to know what absurd spin climate alarmists will try. FoSS diligently reports on the science, policy and economics of climate change to chip away at the volumes of misinformation we are continually bombarded with. We are in this together and we continue to need your financial help. At the very least, we hope you will repeat our messages whenever and wherever you can.

I close with sincere wishes from all of us to all of you for a safe, well-paced return to pre-COVID normalcy.

Andrew Bonvicini, P. Geoph.  
President, Friends of Science

## POLITICAL DEVELOPMENTS

### After the COVID-19 Lockdown - A “Green” Recovery?

After three months of lockdown, caused by the coronavirus, the world’s economies are gradually re-opening. Allies of climate activists in international institutions, governments and businesses see the lockdown and recovery not as a tragedy, but an opportunity. For example:

- Five years ago, before the Paris Agreement, the head of the UN Framework Convention on Climate Change, Christiana Figueres, [revealed the real reason](#) behind the climate scare – to destroy capitalism. This April, she [wrote](#) that government stimulus packages for recovery from the pandemic “must be used to kick-start a sustainable path towards a cleaner future.”
- The deputy managing director of the International Monetary Fund, in a recent speech to the OECD, said that COVID-19 and the climate change crises are “[clearly interlinked](#), because the scale and nature of the economic policy decisions being made now will [crucially affect](#) climate outcomes far into the future.” He then set out the IMF’s suggestions to “green the recovery.”
- Lise Kingo, CEO & Executive Director of the UN Global Compact, said that the coronavirus pandemic is just a “[fire drill](#)” for what is likely to follow from the climate crisis.
- In April, Dr. Fatih Birol, Executive Director of the International Energy Agency, issued a [document](#) headed [Now is the time to plan the economic recovery plan the world needs](#). This was the outcome of an IEA-Denmark [roundtable](#) of ministers, leaders of international organizations and companies focused on the role of energy efficiency and renewables in stimulus plans. The roundtable included representatives from the UN, the European Commission, Switzerland, Canada (Minister of Natural Resources), France, India, Indonesia, New Zealand, Sweden, the UK, Finland, Germany, Italy, the OECD, and the Netherlands. Participants at the roundtable identified energy efficiency, renewables and other dynamic clean energy technologies such as battery storage and hydrogen as key areas for action in the economic recovery packages. Dr. Birol emphasized not repeating [experiences](#) of the recovery from the 2008 global financial crisis stating: “These huge spending programmes are likely to be once-in-a-generation in scale and will shape countries’ infrastructure for decades to come.”
- New Zealand’s climate minister [wrote](#) that “if we are going to bring forward billions of dollars of our children’s money and inject it into rebuilding our economy after the COVID-19 pandemic, then we have both a moral and an economic responsibility to put that money to work on the long-term challenges facing our country, like climate change.”
- The EU is proposing a 25% “[climate quota](#)” under which all EU programs will have a target of devoting one-quarter of all expenditures contributing to climate objectives. However, only 14 of the 27 member states currently back this greener budget. This 25% commitment [will apply](#) to the EU’s €750 billion COVID recovery fund.
- The previously-planned EU-China deal to drive joint climate action ahead of next year’s UN climate talks [is being shifted](#) to focus less on traditional emissions targets and more on using the coronavirus

## FRIENDS OF SCIENCE SOCIETY

recovery to accelerate the transition to a greener economy. Not everyone is thrilled about the prospect of an EU-China alliance: a Green Party member of the European Parliament thinks that as China becomes more powerful, it is less interested in shared multi-lateral approaches and more in asserting its vision of a China-centered hub.

- UN Secretary-General António Guterres believes “the pandemic could create an opportunity to [rebuild the global economy](#) along more sustainable lines.” His environment chief thinks COVID-19 presents “a chance to do capitalism differently.” The UN Green Climate Fund says it “offers an opportunity to direct finances towards bolstering climate action” and “re-launch[ing] economies on low-emission, [climate-resilient trajectories](#),” to control climate and weather and prevent massive extinctions.”
- In Canada the federal government [introduced](#) the Large Employer Emergency Financing Facility providing bridge loans to companies impacted by the downturn, with the caveat that recipients publish annual climate disclosure reports including how their operations will contribute to meeting Canada’s climate goals.

In April *Climate Depot* prepared a [special report](#) on how activists see the coronavirus shutdowns as a dress rehearsal for the “climate emergency.” It begins with ~60 quotes from activists, politicians, international bureaucrats, academics and media sources about using the “opportunity” thus created to step up the fight against climate change. In May, the Heartland Institute President James Taylor joined CFACT’s Marc Morano and Adam Houser in a 1 h 12 m [video discussion](#) about the social and economic impacts of the lockdown and how the left is using it as a dress rehearsal for a Green New Deal.

*Counter Culture*’s Peter Whittle [hosted](#) another 42 m video about how far the coronavirus will affect the green movement. His guests were Benny Peiser of the Global Warming Policy Foundation, journalist James Delingpole and security analyst & author Richard Bingley.

John Constable of the GWPF has [prepared a report](#) *The Fatal Attraction of a Post-COVID Green New Deal*. This report is distilled from comments made in a 1 h 36 m [webinar video](#) held on May 14 and titled *The Net Zero Threat to Economic Recovery*. This webinar featured Dr. Constable, together with former cabinet minister Lord Lilley and Rupert Darwall of the Real Clear Foundation. Dr. Constable’s report examines how the UK government will be tempted to use its green Net Zero spending in the wake of the COVID-19 crisis to revitalize the economy because its short-term effects will be so large. However, in the medium to long term such spending will make matters much worse through the use of inferior sources of energy.

### The Coming Dark Age & The Death of The Scientific Method

The case of *James Cook University (JCU) v Peter Vincent Ridd* [has resonated](#) around Australia and gained worldwide attention for something that many people have long suspected: Australia’s universities no longer encourage intellectual freedom and the scientific method in the pursuit of truth. Instead, they are now bureaucracies rigidly enforcing orthodoxy and capable of hounding anyone who strays outside the groupthink. Dr. Ridd, who describes himself as a “luke-warmist” and who thinks CO<sub>2</sub> will have a small effect on Earth’s temperature, has been studying the Great Barrier Reef since the 1980s. But he is skeptical about the conventional wisdom that the reef is dying because of climate change. This attitude got him fired by JCU. Dr. Ridd challenged his dismissal in the Federal Circuit Court on the grounds that his employment conditions specifically guaranteed his right to “pursue critical and open inquiry”, “express unpopular or controversial views”, and even “express opinions about the operations of JCU and higher education policy more generally”.

In September 2019 the court found that Dr. Ridd had been unlawfully dismissed and awarded AU\$1.2 million in damages and compensation for lost earnings. JCU appealed the decision to the Federal Court, which concluded a hearing on the appeal at the end of May, and its decision may not appear for months.

CLINTEL [has published](#) a story on Dr. Ridd’s saga by biologist Jennifer Marohasy, who wrote: “The university appealed because the modern Australian university can’t let a comprehensive win by a dissident professor go unchallenged. The modern university is all about prestige, and they probably thought that eventually Peter would run out of money, the money needed to defend himself in the courts. But they don’t know Peter, or the team backing him.”

The Institute of Public Affairs, which has been supporting Dr. Ridd, has published a three-part [podcast](#), *The Heretic - Inside Peter Ridd’s fight for freedom of speech on Climate Change*. The series includes interviews with Dr. Ridd’s colleagues, legal team, students, journalists, union leaders and Dr. Ridd himself.

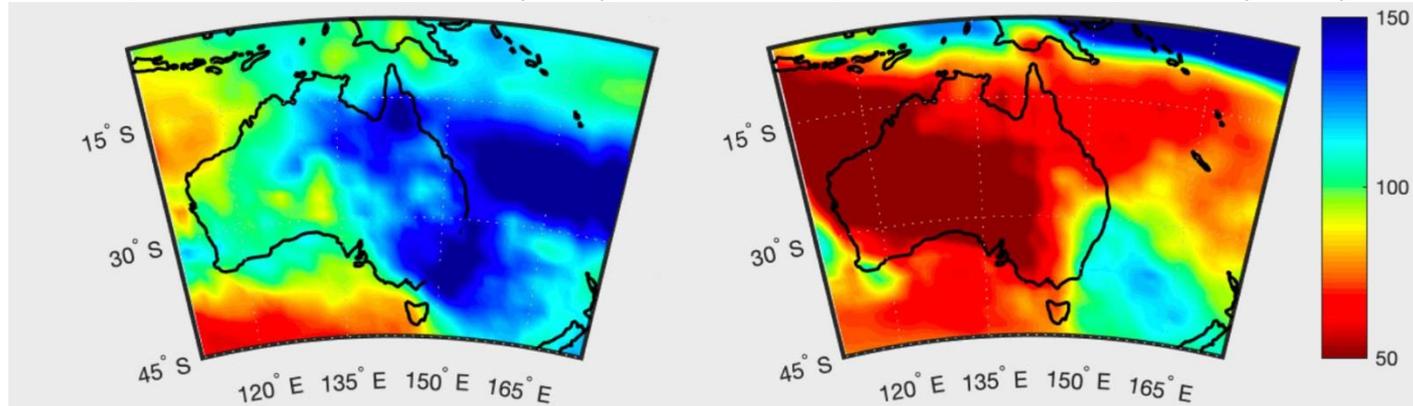
Ian Cameron  
Director, Friends of Science

## SCIENCE NEWS

### Climate Models and Rainfall in Australia

Governments around the world are formulating climate policies for their countries based on climate models that don't work. The majority of rainfall in all areas of the planet comes from the tropics, but climate models grossly overestimate the warming rate in the tropics in the mid-troposphere. Getting that wrong gets the convection wrong, which is essential for predicting precipitation. An [article](#) on the website *Science of Doom* compares the forecast precipitation in Australia for the period 2080-2099 presented as percentages of the model's simulation of precipitation in 1979-2004. This is not a comparison to observations. The models' view of recent precipitation matches poorly with observations as discussed in [CliSci # 326](#). The article presents forecasts for four climate models. It shows that the models' predictions of the rainfall changes, as a result of global warming, are extremely different. The predicted rainfall changes for two models, the Canadian model CanESM2 and the Australian model CSIRO-Mk3, for the Australian summer are shown below.

Summer DJF, 2080-2099 % of 1979-2004, CanESM2 (Canada), RCP8.5    Summer DJF, 2080-2099 % of 1979-2004, CSIRO-Mk3 (Australia), RCP8.5



Precipitation change in Australia 2080-2099 summer (Dec. Jan. Feb.) predicted by two climate models, portrayed as a percentage of the average of 2080-2099 by the average of 1979-2004.

According to the Canadian climate model, rainfall in eastern Australia will increase by the end of the century by around 40% of the 1979-2004 period, but there will be little change in Western Australia. According to the Australian model, the rainfall in most of Australia will decrease by up to 50%. Only the southwest corner will see an increase of rainfall. Other models show different rainfall patterns. So according to climate models, Australia will get a lot wetter or a lot dryer or somewhere in between. That is a mighty useless prediction!

### New Climate Model Runs Producing 50% More Surface Warming than Observations since 1979

The old set of climate model runs used in the IPCC's fifth assessment report (AR5) [produced global average surface warming](#) from 1979 to 2019 of 31% greater than the measured surface temperatures estimated by the HadCRUT4.6 dataset produced in the UK. This is despite the fact that modellers used a large range of [aerosol forcings](#) to offset the excessive greenhouse forcing programmed into their simulations. Aerosols are tiny particles in the air that cause cooling by both reflecting sunlight and by increasing cloud cover. Modellers used aerosols as a fudge to match the temperature record. A major study of aerosol forcing by [Stevens \(2015\)](#) shows the aerosol forcing more negative than  $-1.0 \text{ W/m}^2$  is implausible, but many high-climate-sensitivity models use aerosol forcing of more negative than  $-1.3 \text{ W/m}^2$ . Those models forecast large future temperature increases by reducing the aerosol forcing (less negative) in the forecast period. Dr. Spencer produced a [graph](#) that compares the HadCRUT4.6, the model runs used in AR5 and the new model runs to be used in AR6. The AR5 model runs produced 131% of the measured warming. Only 13 AR6 climate models have been archived so far. These AR6 models produce 150% of the measured warming. The models are getting worse!

### Wind Turbines in the USA Kill Millions of Bats Annually

A [new study](#) (Smallwood and Bell, 2020) shows that the annual number of fatalities of bats caused by wind turbines based on counts of bat carcasses found may be underestimated by a factor of 4 to 7. The researchers used a thermal imaging camera to view all parts of the rotor-swept plane of wind turbines. These camera surveys were performed during the bat migration through the Altamont Pass Wind Resource Area (APWRA), California, and during the first three hours of each night when bat activity is highest. The thermal imaging allowed the identification of subjects as bats, birds or insects. The observed collision rate by

## FRIENDS OF SCIENCE SOCIETY

the thermal camera was compared to the number of bat carcasses found by next-morning searches using scent-detection dogs. The authors wrote “our observed collisions predicted we should have found four to seven times the number of bat fatalities than our dogs actually found”. The dogs found few of the bats because scavengers may have collected the dead or injured bats before the dogs and humans can recover them and injured bats may temporarily recover enough to fly 10s of meters away from the collision site, or they may have entered mammal burrows. Extrapolating a previous study of bat fatalities based on carcasses found at wind farms in the USA to account of the current number of operating wind turbines, the paper reports the 2019 bat fatalities are estimated between 1.8 to 5.6 million. This study suggests that the true number may be 4 to 7 times larger. [As of 2015](#), 18% to 31% of North American bat species were already considered vulnerable or imperilled. h/t Kenneth Richard.

Ken Gregory, P. Eng.  
Director, Friends of Science

## FUNDRAISING COMMITTEE: MEMBERSHIPS AND DONATIONS

### The Value Proposition

In our [March Newsletter](#) we outlined the financial disparity between our Society and the climate catastrophe doomsayer organizations. You will recall that our annual budget is orders of magnitude smaller than those who we are constantly battling on your behalf. Activist organizations are conflating the COVID pandemic with climate change to manipulate authorities to limit our freedoms in the name of saving the planet. [The Great Reset](#) is just one example of these machinations.

FoSS finds itself at a crossroad of sorts. We have made ends meet by relying on many volunteer hours and often stretching our existing contractors too far. Our success in communicating data driven facts compels us to expand our efforts. We need more paid support to help with proactive research, social media, websites, IT and day to day office management. As well, we need to increase our visibility by way of new billboard campaigns, producing more high-quality videos and organizing more climate related meetings and debates.

We at FoSS simply ask that you evaluate the value delivered by Friends of Science per dollar invested. There is no doubt that we face opposition to our message of communicating empirical evidence and scientific truth but none of us can afford to diminish our commitment to the freedom and future welfare of our children, grandchildren and those less fortunate than ourselves.

We have established successful communication strategies and methods. Please take a little time to evaluate some of those methods (listed at the end of this newsletter) and share our content with friends and family and assist us to grow our audience with your financial support. Please recognize that our two websites ([friendsofscience.org](#) [climatechange101.ca](#)), Facebook, LinkedIn, Twitter, Instagram, YouTube videos, and blog postings require a substantial investment of time and money. Much of that time is graciously provided by dedicated volunteer assistance.

Our financial ask is that you help us increase our annual operating budget from ~C\$150,000 to C\$250,000. This will get us well under way to get the extra support we require to continue to communicate our message to you. Based upon unprecedented events, which have occurred and are occurring this year, the next 18 months will likely be a watershed time as countries across the globe move towards greater totalitarianism.

**Please join the battle in any way you can.**

We greatly appreciate and are encouraged by the great number of our members who have recently responded to our funding appeal. As you can see our operational budget has grown to get us into 2021. Thank you to each of you for your tangible vote of confidence.

**We need you to help us find more members and donors!** We know these are tough times but we need you to reach out to your friends, tell them the value you receive from our messaging and get them to join.

Have you considered making monthly contributions to Friends of Science? We can very simply set up a recurring donation for you. Please call us at 1-888-789-9597 Ext 2 to join a growing group of monthly donors.



## FRIENDS OF SCIENCE SOCIETY

Contributions can be made at [friendsofscience.org](http://friendsofscience.org) by clicking on “*Become a Member/DONATE*” in the upper right of the home page. The PayPal donation link will allow you to pay with your credit card even if you do not have a PayPal account. Should you experience technical difficulties with online processing, please try turning off any ad blocker as this sometimes interferes with the program and we do not have ads on our site. Otherwise if you prefer, you may phone us at 1-888-789-9597 Ext 2 to pay by credit card. Alternately, you can mail donations to Friends of Science at the following address:

### **Friends of Science Society**

P.O. Box 23167 Mission P.O.

Calgary AB Canada T2S 3B1

Toll-Free Telephone: 1-888-789-9597 Ext 2

E-mail: [contact@friendsofscience.org](mailto:contact@friendsofscience.org)

Since you are a member and you are reading this, we make the leap that you believe in what we do and like how we do it. Our call to action for you is to please [pledge](#) an amount then **circulate this newsletter to twenty of your friends** requesting they match your donation and sign up for a membership.

It is critical that we grow FoSS's ability to get our message out. Times are hard everywhere. Donor fatigue is especially evident this year but we need your help to keep going. Help us solve our ongoing funding challenge.

## VOLUNTEERING

**Do you want to make a difference? For our voice to continue being heard, we need much more support.** We need you! Please email us at [volunteering@friendsofscience.org](mailto:volunteering@friendsofscience.org) and tell us what you would like to help with. Here are some of the things you could help us with...

### ***Outreach:***

Our product is information. We deliver our quality material on a very limited budget by making every dollar count. Often you will see a video or a report with a “call” for a particular governing group to act. Our communication strategy is that we send announcements for these reports or videos to various media, politicians and our membership. We count on our members and other citizens to take our reports and contact their respective politicians. Of course, we also hope that the media picks up on a particular topic and promotes it. Unlike the major ENGOs, we do not have lobbyists working for us – we cannot afford them. You can act on our behalf by sharing our materials with your elected officials at all levels of governments. If you are interested in volunteering to reach influencers, reporters, politicians, schools or other audiences across the country we want to hear from you.

Do you belong to a group that wants to hear a realistic position on climate change? Invite one of our speakers to present by Zoom or in person at your company, service club, local Chamber of Commerce, or other gathering. Alternatively, you can ask for one of our presentations and present it yourself. We will help you get up to speed on the issues and provide back-up support.

Many Canadians do not understand the basic issues involving climate change, and simply accept the media's misrepresentations. Real problems related to the environment continue to be ignored in the effort to vilify carbon dioxide and impose veiled consumption taxes on the world. Help us overcome this education problem.

Do you have any other creative ideas for getting our message heard? Contact us.

### ***Fundraising:***

Do you have expertise with running online fundraising campaigns? We need your help as we do not know enough about this, especially in regard to non-profit organization and ramifications with the IRS or CRA. Do you have other expertise with fundraising methods you could help us with?

### ***Technical Experts:***

Are you tired of reading or seeing scientific gibberish in the mainstream media? Are you an accredited scientist and want a platform to speak your mind on climate science? We want to hear from you. We would love to have more science experts to help us with our messaging.

**This debate matters, you are making a difference.**

## MICHELLE'S BREAKING NEWS!

### SPECIAL FEATURE - Free Screenings!

Friends of Science presents the complete trilogy of climate change and freedom of speech documentaries by award-winning, independent European filmmaker Marijn Poels.

Poels is renowned for producing over 50 films on social justice in conflict and poverty countries, where most people struggled to have enough to eat. He then decided to investigate the paradigms in Climate Change.

This link to [MARIJN POELS' DOCUMENTARIES](#) will fast track you to all three videos as they are released. Alternatively you may find them on our [YouTube](#) site.

Released June 24th, 2020

**"The Uncertainty Has Settled"** was Poels' first film of the trilogy produced three years ago. In this climate documentary, Poels returned to Europe and was struck by the loss of agricultural productivity and freedoms in his own land. He realized there was an unnerving potential loss of European food security, as Europe's green energy policies were driving more and more farmers into becoming energy suppliers through biofuels, wind, and solar farms, rather than food crops. Poels interviewed farmers, market analysts and various skeptical and IPCC-aligned climate scientists.



To be released on July 1<sup>st</sup>, 2020

**"PARADOGMA"** is the second film and it looks at the polarization in Western society and the demonization of people who are skeptical of the IPCC's alarmist view of climate change. People, who dare to question important themes today, are often silenced or labeled as suspicious and dangerous. The film explains why true liberty needs heretics.



**"Return to Eden"** part 3 of his trilogy, will be released in September



### [Psychology of Climate Consensus and Fear of Ostracism](#)

#### No Consensus!

Stuart McNish interviews Michelle Stirling on "Conversations That Matters"



### [Facts vs Fortune Telling](#)

Our latest rebuttal of Dr. Katharine Hayhoe's "Alberta's Climate Future" report.

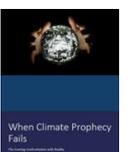
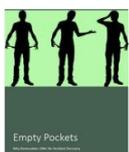
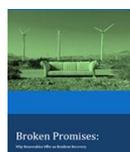


### [Climate Accountability and NO "Green" Resilient Recovery](#) video

#### Climate Accountability LAW for Canada? No No No. And, No Need!

A flurry of open letters to government from ENGOs demanding investments for a 'green' resilient recovery, and a policy brief from a group of environmental groups demanding a climate accountability law that would enshrine Paris Agreement targets threaten the economy and future of Canada.

[All the reports in the above video:](#) Robert Lyman, Ottawa energy policy consultant, shows that Canada already has 600 greenhouse gas (GHG) reduction laws/regulations/incentives in place and that fuel taxes are already beyond \$192/ton carbon tax equivalent!



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Robert Lyman's recent report reveals some striking inconsistencies in Quebec's stringent climate policy.

[Report: The Contradictions in Quebec Climate Policy](#)

[Video: The Contradictions in Quebec Climate Policy](#)



Le dernier rapport de Robert Lyman révèle quelques incohérences importantes dans la politique climatique sévère du Québec.

[Rapport: Les Contradictions de la Politique Climatique du Québec](#)

[Vidéo: Les Contradictions de la Politique Climatique du Québec](#)

### Challenging 265 academics on Canadian energy:

An [Open Letter - COVID19 Recovery - Fight Virus Not Carbon](#) on our blog to Prime Minister Trudeau, and the [pdf version](#).



Robert Lyman sent a note to those academics as well:

[Don't Bite The Hand That Feeds You \(blog\)](#)

[Don't Bite The Hand That Feeds You \(pdf\)](#)



Michelle also presented the letter in this [video version](#).

### We send Greta a message. In Swedish and English:

[Greta Thunberg kräver att lyssna på vetenskapen. Det är en bra idé om vi verkligen gör det utan förutfattade meningar.](#)

[Greta. Listen to the science – without preconceptions.](#)

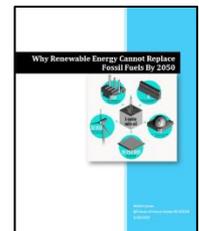
### Science Blog Post by Ken Gregory, P. Eng.:

[Climate Sensitivity by Energy Balance with Urban and Natural Warming](#)

### Old but Gold:

[No, Elizabeth May - Canada Cannot Go 100% Renewable by 2030. Here's why.](#)

Robert Lyman's 2016 report "*Why Renewable Energy Cannot Replace Fossil Fuels by 2050*" was reissued correct some typos. Though the statistics are somewhat dated, the principles still hold true. Renewables cannot replace fossil fuels by 2050.



Many more reports are summarized here: [A compilation of our all time favourites](#)

The ultimate compilation of Lyman's key Green Agenda [reports are on our blog](#).



**Still haven't subscribed to our blog? Don't delay. It's easy and best of all FREE!** Enter your email on the [home page](#) and click Subscribe. That's it. Now you will get an update as soon as a new blog is posted.

### Our full list of social media and web platforms:

bilingual website [climatechange101.ca](http://climatechange101.ca)  
climate change library [friendsofscience.org](http://friendsofscience.org)  
hugely active Twitter feed [twitter.com/FriendsOfScience](https://twitter.com/FriendsOfScience)  
very active Facebook page [facebook.com/FoSClimateEd](https://facebook.com/FoSClimateEd)  
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Instagram [instagram.com/fosclimateed/](https://instagram.com/fosclimateed/)

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