

March 2020

FoSS MEMBERSHIP QUARTERLY NEWSLETTER No. 65

Dedicated to Providing Insights into Climate Science and Policies

ANNOUNCEMENTS:

Please Note: Sadly, our 17th Annual Spring Speakers Event on April 6th, 2020 has been postponed due to the COVID-19 outbreak. We will be rescheduling it as soon as everything returns to normal and we are able to meet in large groups again. As we were almost sold out, we will give those who bought tickets a two week advance notice of the new date. Please keep an eye out here or in your inbox for the new date.

PRESIDENT'S MESSAGE

Our position on COVID-19

The COVID-19 crisis is real; this killer virus is wreaking havoc everywhere.

We implore the climate alarmism community to stop conflating this viral outbreak with anything to do with climate. Please stop smirking and celebrating the destruction of Western Civilization. To those that say this crisis has put the likes of Greta's "Climate Emergency" or AOC's "Green New Deal" in jeopardy because monies are being diverted from "fighting climate change" – please think about the deaths. Leftist politicians trying to include climate change conditions or other non-virus related requirements on relief funding are hitting new lows of despicable.

The damage COVID-19 is causing is unprecedented and this virus has single handedly succeeded in shutting down the world when the scare mongering climate alarmists couldn't. Sadly, we foresee climate alarmism coming back with full vengeance once we have this outbreak under control. We at FoSS are devastated by the loss of life and the catastrophic results this crisis will have on world finances. We urge everyone to stay calm. Trust that we are a resilient species and we will get through this – we always do.

We Remember

We are deeply saddened by the passing of Albert Jacobs on February 12, 2020. Albert graduated from the University of Amsterdam, Geology Doctorate (ABD, 1954) and was registered as a Professional Geologist (ret) in APEGA. As cofounder of the FoSS, he was instrumental in the start of our society and was editor of our "Cli-Sci" newsletter up until February 2016 when Ken Gregory assumed that role. Albert strongly believed in the power of rational debate and sound science. In recent years, even though Albert was no longer formally on the Board of Directors, he continued to provide scientific inspiration and philosophical insights for our reports and communications until his illness. He was instrumental in connecting our society with his network of international science and policy contacts, which culminated in our association with CLINTEL who call for less political and more scientific review of climate change matters. Condolences can be noted on [his memorial site](#). He will be missed enormously.



Albert Frederik Jacobs
April 10, 1926 - February 12, 2020

Call for Truth and Open Debate

Freedom of speech is a topic to be addressed at our Speakers Event. This principle supports the freedom of an individual or group to articulate their opinions and ideas without fear of retaliation, censorship, or legal sanction. It is an undeniable right that we take for granted in democracies. Imagine my shock when I came across this article on the UNESCO site demanding that [Climate crimes must be brought to justice](#). This is not about taking polluters to task but to create new laws to prosecute those who promote "climate denial"

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because this “dangerous trend” “has increased the risk of catastrophic global change”. The author proposes that “international criminal law should be expanded to include a new criminal offence” called postericide.

Postericide would be committed when a person knowingly puts humanity at risk of extinction and recklessly acts anyways. Who does the author want to prosecute? The “established international network of well-funded organizations devoted to organized climate denial” of course. Supposedly these organizations have “deliberately deceived the public and policymakers about the realities of climate change” to “impact public opinion” and impede “legislation to tackle climate change.” And, since they are equated to genocidal monsters that cause “unimaginable atrocities that deeply shock the conscience of humanity”, they must be tried by the International Criminal Court.

Isn't the premise of a democratic society that we as a people have the right to speak out when our governments are not doing what is in our best interests? How does threatening to prosecute individuals or organizations protect our rights to freedom of speech? These proposed laws are nothing more than gag orders for anyone that disagrees with the human induced climate change agenda. I for one am proud to be part of an organization that sheds light on the dogmatic rhetoric of the climate alarmism industry.

What about those who create alarming videos based on fraudulent science or fiddle with data to support a specific alarmist position and then are able to garner personal financial advantage? Why are they not to be considered as having acted recklessly to endanger human society? We need to create a Truth Forum for open debate on these contentious topics, not new laws to stifle dissenting viewpoints.

12 Fake Invisible Catastrophes and Threats of Doom

On July 20, 2019, Dr. Patrick Moore gave a presentation to the Doctors for Disaster Preparedness in Tucson, Arizona. We were there, we captured it and now we have it for you on our [YouTube](#) channel. This is a classic. Dr. Moore starts with a bit of his history, including his time with Greenpeace, and then concludes with a review of everything: science, polar bears, CO₂, coral reefs, species extinctions, alternative energy and much more. This is a long video, so make some popcorn, get the family together and enjoy. All this for free in a style that is true Patrick Moore.

What is your priority: Carbon Tax or Health Care?

In 2018, Canadians surveyed by Abacus Data, [placed improved health care as their #1 priority](#). Instead, our governments chose climate change, the very last priority of Canadians, and proceeded to impose a carbon tax. [Let Them Eat Carbon](#) was our rebuttal report to the Ecofiscal Commission's report and we summarized it in our [Let Them Eat Carbon](#) video. The carbon tax is set to increase 50% on April 1st, 2020, as if we are not dealing with enough economic burden.

COVID-19 should **not** have taken Canada by surprise. Our government in 2006 issued a detailed [Canadian Pandemic Influenza Plan](#). The plan forecast recurring pandemics and even identified the likely source of origin as South Asia, based on historical evidence. Thus, it is unconscionable that the Canadian government and many provincial governments have squandered billions of precious taxpayer dollars on green crony climate projects, leaving society and our health care workers and system at such risk – especially as this was against the wishes of the Canadian public and in contravention of pandemic risk forecasts.

[Carbon Tax Information for Canadians](#) is a valuable compilation on our blog. As well, I refer you to Robert Lyman's [Alarming Scope of Future Carbon Taxes](#) blog post reviewing how carbon tax revenues to government could outstrip income taxes – and impoverish all of us.

Our ongoing appeal...

The COVID-19 outbreak has taken everyone's focus away from pretty much everything. Now that we are also confined to our homes we too are doing our best to physically distance ourselves. Nonetheless, we are focused on continuing to be your voice for climate change science and policy. We continue to fight an information battle and we stretch every dollar we receive from you. We are in this together and we continue to need your help. In these difficult times, with many losing their incomes and with humanitarian aid needing to be the first priority, money is tight. At the very least, we hope you will repeat our messages whenever and wherever you can. Lastly, please see the fundraising section below for an update on our financial status.

I close with sincere wishes from all of us to all of you for a speedy worldwide resolution to COVID-19. Please stay healthy, safe and calm.

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

POLITICAL DEVELOPMENTS

COP26?

Following the failure ([COP25 Flops](#)) of COP25 last December in Madrid, COP26, which is to take place in Glasgow November 9 to 20 will be the most important COP since the Paris Agreement was signed at COP21 in 2015. Already things are not looking good. First, according to *Time* the coronavirus pandemic [poses](#) a triple threat to COP26:

- It has already disrupted some important meetings and conferences attended by international climate and environmental policymakers planned ahead of the COP
- The outbreak may supplant climate change in the public mind and weaken political will.
- It may encourage burning of fossil fuels when the world economy restarts.

Former UK Minister for Energy and Clean Growth, Claire Perry O'Neill, was supposed to be president of COP26. However, on January 31st, the UK government abruptly [removed](#) her from that position, stating that the post would become "a ministerial role." Ms. Perry O'Neill took her sacking with ill grace, writing a [letter](#) to Prime Minister Boris Johnson stating that she was "surprised and dismayed" to be told of it by one of his advisors. She was given three different explanations for the decision, "none of which could be clearly articulated or supported with evidence, apart from needing someone more senior." Most of her letter dealt with her assertion that "We are almost out of time to win the battle against climate change and start the process of climate recovery." Ms. Perry O'Neill's letter listed broken promises and examples of bureaucratic in-fighting over resources and responsibilities for COP26.

On February 13th, after former Prime Minister David Cameron and former Foreign Secretary William Hague turned down the job, Mr. Johnson [appointed](#) Alok Sharma, to lead the COP. Mr. Sharma was previously the UK's Secretary of State for International Development. He has an accounting and banking background, but little experience in climate diplomacy. He also has a [mixed record](#) of voting on green issues in Parliament.

February 9th was the symbolic deadline for nations to submit upgraded climate plans for next November's COP26. According to paragraph 25 of [implementation](#) of the Paris Agreement, Parties are to submit their revised five-yearly climate action plans 9 to 12 months before the next COP. As it happened only three nations (Marshall Islands, Surinam and Norway) met the deadline. Asked about the lack of action, a COP26 spokesperson said: "We encourage all parties to submit ambitious NDCs (nationally determined contribution plans) in good time before COP26 this November" and said the UK was "delighted" by the first submissions. So far, 107 countries have stated they will enhance their NDCs by the end of 2020, according to the [World Resources Institute think-tank](#). These account for 15.1% of global greenhouse gas emissions.

At the time of writing the UK government [had not given up hope](#) of hosting COP26 as planned, but warned that it would be a "challenge" given the disruption caused by COVID-19. A former chief scientific advisor to the UK government said that [there is a possibility](#) that COP26 may be delayed or conducted in virtual space if the "habit of requiring face to face meetings can be overcome."

The EU's Green Deal

Last December European Commission President Ursula von der Leyen [outlined](#) the European Green Deal vowing to "leave no-one behind." The ten main points of the Commission Plan:

1. "Climate neutral" Europe by 2050.
2. Circular economy, ensuring products are reused and recycled.
3. Building renovation rate to double or triple.
4. Zero pollution of air, water and soil by 2050.
5. Ecosystems & biodiversity, including a new forest strategy.
6. Farm to fork strategy, aiming for a "green and healthier agriculture" system.
7. Transport, working towards zero emissions in the 2030s.
8. Money, €100 billion to ensure a Just Transition Mechanism to help regions dependant on fossil fuels.
9. R&D and innovation, with another €100 billion to spend.
10. External relations, to ensure that as Europe increases its climate ambitions, "we expect the rest of the world to play its role too." One possible enforcement measure is a carbon border tax on imports.

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On March 4th, Ms. von der Leyen [unveiled](#) the bloc's first ever [European Climate Law](#), which writes into law the goals of the Green Deal. Despite being invited to sit beside Ms. Von der Leyen at the climate law's unveiling, Greta Thunberg immediately complained that it doesn't go far enough. She and 33 other youth climate activists [wrote](#) an open letter stating: "We don't just need goals for just 2030 or 2050. We, above all, need them for 2020 and every following month and year to come." Ms. Thunberg followed up with an 8 minute [speech](#) before the European Parliament stating that the climate law "is surrender".

Trade unions weren't impressed by the Green Deal either. Luc Triangle, secretary general of IndustriAll, a federation of trade unions [warned](#) of almost 11 million jobs at risk in affected industries. He fears the green transformation's impact on internal migration in the EU, creating tensions between eastern and western countries. On March 16, the Czech Republic's prime minister said: "Europe should [forget about](#) the Green Deal now and focus on the coronavirus instead," and a Polish minister [called for](#) scrapping of the EU's Emissions Trading System. In private, EU officials [admitted](#) that Brussels has to review its priorities in light of the coronavirus crisis.

Ian Cameron
Director, Friends of Science

SCIENCE NEWS

Economic Impact of Greenhouse Gas Emission

A paper by [Dayaratna, McKtrick & Michaels](#) (D, M & M 2020) published in January this year evaluates the implications of recent empirical findings about CO₂ fertilization and climate sensitivity on the social cost of carbon (SCC) in the FUND economic model. The paper reviews new evidence from satellite sensing and experiments that show the CO₂ fertilization effect on plant growth and crop yields are large. The authors suggest that the agricultural productivity gains due to CO₂ fertilization are at least 30% greater than what is parameterized in the FUND model. Using a climate sensitivity probability distribution from the recent Lewis & Curry 2018 paper, a 5% discount rate and a 30% increase FUND's CO₂ fertilization parameters, the authors calculate a best estimate social cost of carbon dioxide (SCC) of ²⁰¹⁸US\$-4.08/tCO₂ for emissions in 2020. The negative sign means that the social benefits of emissions exceed the social costs. Richard Tol had previously calculated the private costs of using fossil fuels in terms of marginal dollars per tonne of CO₂ emissions. He found that on average the private benefits of fossil fuel use is ²⁰¹⁸US\$472/tCO₂. The private plus social net benefits of fossil fuel use are about 2018US\$476/tCO₂. Any restrictions on fossil fuel use would drive up both the marginal social and private benefits of CO₂ and fossil fuels. These SCC estimates are calculated by FUND using a probabilistic estimate of equilibrium climate sensitivity (ECS) with a best estimate of 1.50 °C and with probabilistic economic parameters.

The ECS estimate accounts for neither the natural warming from the Little Ice Age nor the urban heat island effect. Accounting for these two effects would reduce the [ESC estimate](#) to about 1.0 °C.

The paper by [Lang & Gregory](#) (L & G 2019) tests the validity of the FUND model's energy impact functions by using empirical data of energy expenditures and average temperatures of the US states and census divisions. The paper shows that energy expenditures decrease as temperatures increase, contrary to the FUND parameterization.

Figure 1 shows the impacts of greenhouse gas emissions without mitigation as the percent gross world product (GWP) with ESC set to 1.0 °C and all other parameters in FUND set at their best estimate values for three cases. The "Original" green curve uses the default parameters in FUND, the "Corrected Energy" blue curve is with the FUND energy impacts replaced with corrected energy impacts as per L&G 2019 (extended to

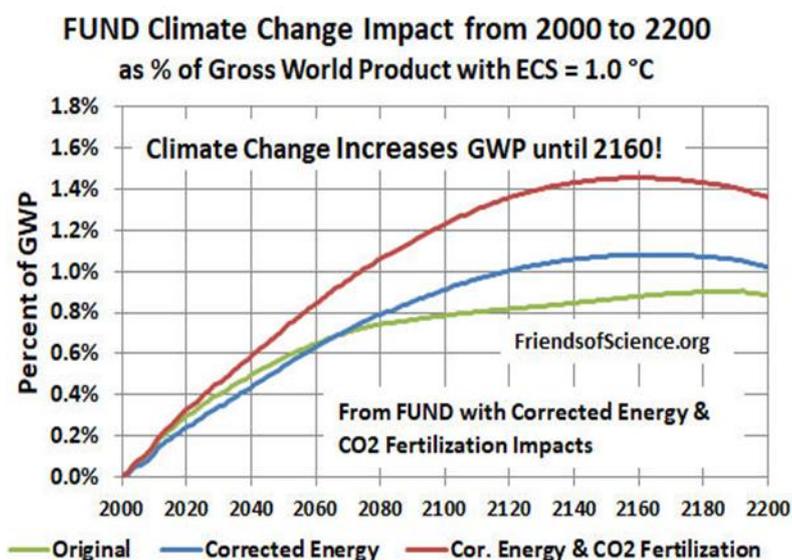


Figure 1. FUND projected percentage change in gross world product (GWP) from 2000 with ECS= 1.0 °C, three cases.

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global impacts), and the 'Cor. Energy & CO₂ Fertilization' red curve is with the corrected energy impacts and a 30% increase in the CO₂ fertilization effect in FUND as per D, M & M 2020.

The red graph shows that emissions cause increasing positive economic impacts of 1.46% of GWP from 2000 until 2160, then the impacts start to decline. In 2100, the global temperature is 1.46 °C above the year 2000 temperature and the impact of emissions are a 1.23% of GWP increase from 2000. In 2200 the global temperature is 1.46 °C above the year 2000 temperature and the impact of emissions is 1.36% of GWP from 2000.

Models Underestimate the Positive Impacts of CO₂ Fertilization Inferred from Global Observations

A [paper by Haverd et al](#) published last month by a team of 9 scientists note that "four independent lines of evidence indicate intensifying terrestrial biospheric activity". This increasing level of photosynthesis is indicated by increasing:

1. global land carbon dioxide (CO₂) sink,
2. amplitude of the seasonal cycle of CO₂ in the Northern Hemisphere,
3. satellite observed leaf area, and
4. global gross primary production.

The paper reconciles leaf area and global constraints on trends in modelled biospheric activity to estimate the effect of CO₂ fertilization on plant photosynthesis since 1900. The paper shows that gross primary production (GPP) has increased by 35% since 1900 (see Figure 2).

GPP is the total biomass fixed by the vegetation in a unit area within a unit time. The CO₂ fertilization effect due to fossil fuels use accounts for over 85% of this remarkable increase in GPP. Terrestrial Biosphere Models (TBM) are used to forecast the global carbon budget and CO₂ sinks, which plays an important role in climate model projections. Increasing CO₂ sinks result in less CO₂ remaining in the atmosphere and less temperature rise. The authors report that current TBMs have underestimated the modern rise in GPP. The CO₂ fertilization effect is "nearly twice as high" as estimates in current TBMs. The current CMIP5 models, using the RCP2.6 low emissions scenario, underestimate the future land CO₂ sink by a huge 129%! The paper was [reviewed](#) by CO₂ Science.

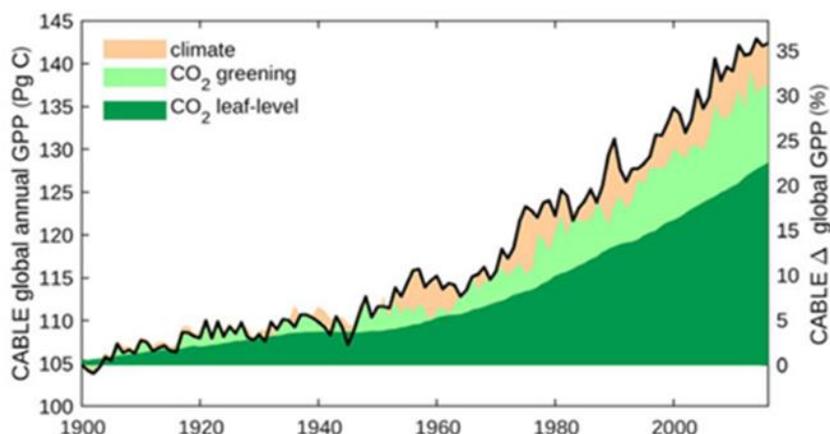


Figure 2. Modelled CO₂ fertilization effect on global gross primary production (black line), attributed to climate effect (orange), CO₂ greening (light green), CO₂ leaf area (dark green).

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

FUNDRAISING COMMITTEE: MEMBERSHIPS AND DONATIONS

We certainly live in interesting times when governments are compelled to protect their citizens by exercising unusual controls which strongly impact the personal freedom of its citizens. We all hope and pray that these actions are effective in saving lives and that as soon as possible our freedoms will be fully returned.

Those who are preaching carbon eco-catastrophe are emboldened by the ease of authorities to curtail personal freedoms. The goal of Friends of Science Society is to communicate the scientific evidence and data which strongly indicate that we do not face a climate catastrophe. Obviously, our freedom of expression is paramount.

Equally important is the need to finance our efforts to communicate our message. We are deeply grateful for our members and donors whose financial contributions make our communication possible. Nonetheless we are out financed by orders of magnitude by organizations that mislead the public with stories of imminent

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climate catastrophe. Please review the chart below which contrasts revenues of a small selection of climate doomsayer organizations with the revenue of Friends of Science Society.

<u>Organization</u>	<u>Year</u>	<u>Revenue</u>
Tides Canada	2019	\$27,885,728
World Wildlife Fund	2018	\$24,054,000
David Suzuki Foundation	2018	\$11,661,000
Ecojustice	2018	\$7,442,000
Sierra Club of Canada Foundation	2018	\$573,055
Friends of Science Society	2019	\$153,000

We need your financial support to communicate our message. We cannot allow these organizations to take our freedoms away under false pretenses.

In the name of saving the planet climate change doomsters will seize this opportunity to encourage control loving authorities to limit personal freedom and freedom of expression. Fortunately, public opinion recognizes that the use of fossil fuels contribute to quality Health Care which is their number one concern. A [study by Abacus Research](#) regarding Government Assistance Allocations found a clear majority acceptance in all regions of the country, even in Quebec, for assistance for the Canadian Oil & Gas sector. As well, a values study conducted by [Dr. Szabo of Anstice Communications](#) with Generation Z (1997–2012; Greta's age group) respondents found that 43% now recognize the importance of all the oil and gas supported benefits they have been dependent on during this most stressful and isolated time. This included appreciation for electricity & utilities that powers their internet, keeps them warm and provides the many healthcare tools necessary to meet the demands of caring for and conquering this virus.

Activists are recognizing their missteps and are reframing their upcoming campaigns. We need to be ahead of them in our efforts. For that we need to enhance our finances to be able to fund billboards and all forms of media to raise awareness of the real climate change facts. If any of you, our faithful supporters, have fundraising ideas or can be of any help in this regard, please email us at fundraising@friendsofscience.org.

We are troubled to report that as of the end of this first quarter we have only five months of operational maintenance funding, which means with no further funding we will only survive to the end of August 2020.

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.

Contributions can be made at 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



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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 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. We do not have lobbyists working for us – we cannot afford them. 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 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 regards 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 main stream 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!

[Avi Lewis – In the Dark on Renewables](#)

Having followed in the climate footsteps of his father, Stephen Lewis*, Avi Lewis is still in the dark on renewables after 20 years, pushing for Canada to LEAP into a Green New Deal, and slated to encourage the "Regime of Obstruction". Michelle writes this rebuttal to his Globe and Mail fantasies on energy.
* Stephen Lewis was signatory to the Ecojustice call for inquiry by the Competition Bureau, where they wanted us fined or jailed for our billboards.



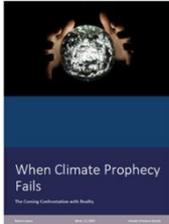
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From Robert Lyman's desk:



[Prosperity Foregone - A Summary](#)

In the midst of the COVID-19 health crisis, would \$100 billion dollars be handy? This is a shocking review of opportunity lost... not lost... run out of town by unbridled climate activism on the street and burdensome, foggy climate policies at the top no competitor nation faces.



[When Climate Prophecy Fails: The Coming Confrontation with Reality](#)

Lyman explains that sooner or later, evidence will overcome the ideology behind the climate hysteria. The only question: *how much damage will be done by then?*



[Squandered Money : Funding Mass Transit to Reduce Emissions](#)

A critical look at the real cost-benefit of mass public transit, especially the light rail variety, as opposed to Bus Rapid Transit (BRT). Surprising findings.



[Domestic Livestock and Climate Meat and Dairy Markets at Risk without Reason](#)

This report puts 'the boots' to nonsense about livestock emissions.

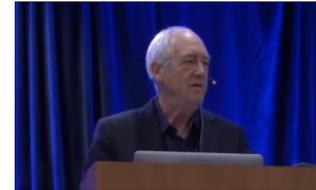
Some of Our Latest YouTube Videos:



[Greta or Naomi: Climate Alarmism vs Realism](#)



[Alberta's Climate Future; A Scary Report Based on an Unlikely Scenario - RCP8.5](#)



[Dr. Patrick Moore: 12 Fake Invisible Catastrophes and Threats of Doom](#)

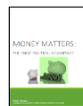
And now for something completely new:

You may recall the video [#KidFriendly #ClimateTales ... for the Whole Family](#), now *The Book of Kid Friendly Climate Tales ... for the Whole Family* is in book form and available on [Amazon](#).



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

And you can find a compilation of Lyman's key Green Agenda [reports 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.

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Please continue to share our materials by email, social media or in any way you can.