



Manitoba Liberal Plan for Green Growth and Renewal



Manitoba Legislative Building
Room 123 - 450 Broadway
www.mbliberalcaucus.ca



@MBLiberalCaucus

THE CAMPSITE RULE

Our Governing Principle: Leave Things Better Than We Found Them

There's something that's known as the campsite rule. When you arrive at a campsite, try to leave it better than you found it. It's a pretty simple idea with a lot of applications.

The campsite rule applies to everything and everyone, whether it's reconciliation, jobs, health care, education, or our environment.

When it comes to the environment, we all know we have to do a lot more.

Four years ago, I met an Elder named Frank Tacan Sr. at the Friendship Centre in Brandon. He said when it comes to the earth, we can't just keep taking all the time. We have to give back. We have to give nature the space and time to renew and regenerate. That is what our plan does.

All Manitobans depend on natural resources and on nature. Farmers do not benefit from exhausted soil, nor fishers from over-fished lakes. We do not benefit from thinning forests or animals pushed to the brink of extinction.

We do not benefit from waste — from wasting fuel, from wasting water, or from wasting land. Human activity has been affecting climate for the worse. We can and must choose to affect it for the better.

When we face such threats to humanity and to our own children, we have a moral obligation to act.

We have already seen decades of inaction, delays, and outright obstruction from politicians who put their own political fortunes ahead of the public good.

For Manitoba, this is an opportunity to lead, to grow, and to turn Manitoba's strengths to our advantage for the benefit of every community in our province.



Dougald Lamont,
MLA for St. Boniface &
Leader, Manitoba Liberal Party





WHAT'S INSIDE



Step 1: Taking Back Control & Negotiating a New Green Deal for Manitoba
Pages 3 - 5

Step 2: Making Manitoba a Leader in Clean Energy
Pages 6 - 9

Step 3: Working with Nature to Reverse Pollution
Pages 10 - 15

Step 4: Making it Easier for Manitobans to Go Green
Pages 16 - 20

A full summary can be found on pages 21 - 23

STEP 1: Taking Back Control: Negotiating a New Green Deal for Manitoba

Manitoba Liberals will take back control of climate change policy in Manitoba and will re-open negotiations with the Federal Government.

Because the Manitoba PCs abandoned their own plan, the Federal Government had to step in with a “generic” model that collects carbon taxes and returns them to Manitobans individually.

We will renegotiate that deal. Manitobans know that a price on pollution is only the first step in climate action. We need to actively invest in measures that will have a real impact on climate change.

We have four major priorities:

- Making Manitoba a Leader in Clean Energy
- Working with Nature to Reverse Pollution
- Reducing Energy Waste & Emissions
- Making it Easier for Manitobans to Go Green

With this multi-pronged approach of reducing emissions and reversing pollution, our province could be carbon neutral by 2030.

By capturing as much carbon as we emit, Manitoba would have the equivalent of ZERO emissions by 2030 while investing more in Manitoba's economy and creating new jobs and opportunities for Manitobans.

Manitoba needs to immediately get back to the negotiating table with the Federal Government to redraw the price on pollution and the carbon reduction plan for the province of Manitoba.

By 2020, Manitoba households will on average pay \$342 to pollute while receiving \$495 from the Climate Action Incentive to offset increased costs.

We will maintain a direct payment to individuals, while creating a green investment fund to invest in ways to make Manitoba more environmentally efficient.

Our long-term goal is not just to reduce carbon dioxide emissions, but to become a carbon neutral province, or even carbon negative, by storing more greenhouse gases than we emit.

If Manitoba can store carbon, we believe the Federal Government should compensate us for doing so, through a form of “carbon reduction transfer payments” or a “negative carbon tax.”

Why the Pallister Climate Plan Failed:

The PC Government did not negotiate at all. Instead, they presented a take-it-or-leave-it “Climate and Green Plan” that had no targets, no timelines, no actions, and no results.

It had no commitments, other than a \$25/ton charge on carbon that was two and a half times what the Federal Government was offering to start.

The PC Government asked for credit on coal-fired power plants that *had never been built* because Hydro dams were built instead.

The PC Government plan measured activities that lowered emissions, but didn't count activities that *increased* them.

STEP 1: Taking Back Control: Negotiating a New Green Deal for Manitoba

A GREEN LENS FOR GOVERNMENT POLICY

Our future and the future of the economy depend on a healthy environment. When the Provincial Government supports businesses, community development, and the economy, the long term health of the environment must always remain top of mind.

A Manitoba Liberal Government will implement a "Green Lens," a GHG-emissions based analysis on government investment and policy.

The GHG emissions based analysis will assess how government actions may affect the province's overall carbon emissions. Reports will be made public along with policy announcements.



STEP 1: Taking Back Control: Negotiating a New Green Deal for Manitoba

GREEN INNOVATION FUND

We will create a \$20-million a year fund to allow for research and development, innovation and invention in green fuels, wilderness restoration, and carbon storage.

GREEN MANITOBA FUND

Manitobans want an accountable and transparent government. They deserve to know how their money is being used.

This is why all revenues from an output-based pricing system (OBPS) for emission-intense industrial facilities will be placed into a Green Manitoba Fund.

Manitoba's clean energy future also includes the reduction of the use of fossil fuels extracted from the earth. Liberals believe that phasing out subsidies for oil is key to staying on the path to our green future.

Manitoba Liberals will review and phase out subsidies and tax breaks for oil and gas and redirect funds and savings transparently to our Green Manitoba Fund.

The Green Manitoba Fund will be required to report annually on all revenues, expenditures, program reduction targets, and achievements.



STEP 2: Making Manitoba a Leader in Clean Energy

"We need a realistic bridge between our current economy and a greener future." - Dougald Lamont

Given the extreme urgency of dealing with climate change, some have called for drastic action in order to make the transition to a better future as fast as possible.

While pushing as hard as we can for change, we need to be realistic. There are over 1-million cars, trucks and machines in Manitoba alone that run on gas or diesel.

It is not currently financially or technologically feasible to immediately replace or retrofit them all for either families or businesses. The technology for electric vehicles and batteries are not yet where they need to be.

This is not a reason to further stall. Rather, we need to take these essential facts into consideration as we determine how to move forward.

A critical insight is that it is not necessarily the machines that are the problem, but the fuel they use. While we shift to more electric power, we can keep using existing technology so long as we change the fuel.

A Manitoba Liberal Government will invest in developing clean fuel in Manitoba.

Clean fuel technology exists and is a key part of our transition to a green future.

Manitoba has an abundance of clean hydro electricity, yet we import approximately \$4-billion in fossil fuels every year— every cent of which goes to other jurisdictions.

Manitoba has the capacity to become a world leader in clean energy, but this requires the political will and investment to move forward.

There are a number of existing technologies that could be implemented now.

1. HD-Petroleum, a local Manitoba company, has developed a micro refinery which can turn 12 million litres of Manitoba waste oil into 10 million litres of diesel fuel.

2. Canadian companies, such as Carbon Engineering, have developed the technology that pulls carbon directly from the air and uses electricity to make fuel that can be used in aircraft, trucks, and other machinery.

3. Another Canadian company, Enerkem, has developed a process for making liquid and gas fuels from municipal waste— especially organic waste.

All of these fuels are recycled. Air-to-fuel technology and fuel-from-waste are both carbon neutral, or close to it. As a result, we believe these fuels should be exempt from carbon taxes. They could either be sold as-is with no carbon tax, or they could be blended with other fuels to lower prices.

Generating our own carbon-tax-free clean fuels will make Manitoba more competitive and keep billions of dollars in the province.

STEP 2: Making Manitoba a Leader in Clean Energy

A Manitoba Liberal Government will immediately begin working to make Manitoba the clean energy capital of Canada. We will create an Office of Green Growth and Renewal. This will be a partnership between the renamed Department of Environment and Climate Change and the Department of Innovation, Growth, and Labour.

This office will be charged with implementing and investing in Manitoba projects. The purpose will be to fund and support promising projects and technology to generate clean energy, reduce emissions, and encourage carbon storage.

HOW WE WILL ALL BENEFIT

- Lower prices on clean fuel for Manitoba families and businesses
- Billions of dollars will stay in Manitoba because we are creating our own green fuels instead of importing them
- Hundreds of new jobs for Manitobans in clean energy
- Industries and individuals will get years more use from existing equipment before transitioning to electric
- New revenues for Manitoba Hydro

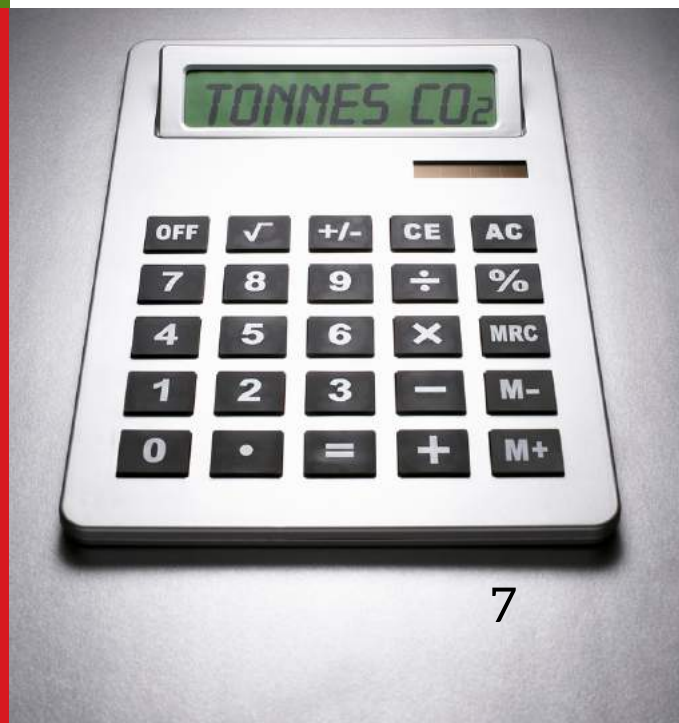
Exploring the Science of Storing Carbon

Researchers and scientists around the world have been working on reversing pollution by capturing excess carbon in the atmosphere and either storing it or finding a use for it - including fuel.

'Direct air capture,' technology exists in which carbon dioxide is removed from the atmosphere through a chemical process.

One full-sized carbon capturing plant could capture 263 (kt CO₂eq) annually from the atmosphere which could either be turned into green fuel or stored.

Manitoba emits about 21-million tons of CO₂ each year. Experts say we could store 1-gigaton (1-billion tons) of CO₂ in southwestern Manitoba. This would be more than Canada's entire emissions for one year.





STEP 2: Making Manitoba a Leader in Clean Energy

EAST-WEST POWER GRID

Replacing fossil fuels is only one small part of becoming a leader in clean energy.

The Provincial Government needs to be involved in helping all Manitobans reduce their reliance on fossil fuels.

Manitoba should also be using some of our excess power from Manitoba Hydro to help our neighbours in Saskatchewan who rely heavily on fossil fuels for electricity.

Manitoba could supply Saskatchewan with clean hydro electricity and the provinces could share the credit.

Manitoba Liberals support negotiating a deal with Saskatchewan and the Federal Government to invest in an East-West power grid.

This has the ability to offset up to 4 million tonnes of carbon from Saskatchewan and help to spread the wealth of clean energy that Manitoba has to offer.

STEP 2: Making Manitoba a Leader in Clean Energy

MAKING SURE HYDRO RATES STAY AFFORDABLE

As we shift to green energy, it is essential that green options are affordable. Many Manitobans are facing increased costs for Hydro. Manitoba Liberals are committed to ensuring that Hydro remains public and that its rates will remain affordable.

Low Hydro rates for everyone are a key competitive advantage for the Province of Manitoba. It means a lower cost of living and a lower cost of doing business in Manitoba.

Hydro has been saddled with billions of PC/NDP debt because while in power, both have used Hydro as an ATM. They put their debt on Hydro's tab, and put Hydro's future at-risk.

Manitoba Liberals are committed to ensuring that Hydro rates stay affordable by ceasing the practice of raiding Manitoba Hydro of hundreds of millions of dollars annually. We will let Manitoba Hydro recover.

Provincial governments across Canada are struggling with massive Hydro projects that have had huge cost overruns: BC, Manitoba, Newfoundland & Labrador and Ontario.

For hydro energy to play a full role in fighting climate change, it must be affordable.

A Provincial Liberal Government will work to partner with the Federal Government on a green investment into provincial hydro electricity to ensure that non-carbon power remains competitive.



Step 3: Working with Nature to Reverse Pollution

New Forests & Wilderness Mean Less Carbon, More Habitat and More Animals

Most people know that plants and trees take in carbon dioxide as they grow. More natural wilderness is the lowest-cost and most effective way of reversing carbon pollution.

The key here is that it needs to be **new growth** and **new wilderness**. Populations of large wild species around the world have been shrinking. While over-harvesting may be blamed, the reality is that these species depend on wilderness to live and eat. By creating new wilderness, we will allow species at risk to regenerate.



This is the best way to leave a better future to our children at the lowest cost.

In Manitoba, for every acre of wilderness we save, we are currently losing ten. We need to reverse this trend.

Farmers understand the importance of being good stewards of the land and they are calling for change. We have heard from the Keystone Agricultural Producers (KAP) that Manitoba's land use plan is 50 years out of date.

First Nations, Métis and other Manitobans who hunt to support their families also value stewardship of the land.

We will work with Manitobans across the province to invest in nature and regenerate wilderness with new forests and grasslands, as well as encouraging innovative agricultural techniques for producers.

HOW WE WILL ALL BENEFIT:

- We will create new jobs in conservation and reforestation.
- “Regenerative agriculture” can reduce costs and increase yields for producers.
- Wildlife has an opportunity to renew their populations.
- Healthy vegetation and regenerated soil can hold more water and mitigate droughts and floods alike while reducing costs attributed to those climate events.

Step 3: Working with Nature to Reverse Pollution

THE POWER OF TREES

A forest is a carbon storage area, or 'sink', that stores carbon, keeping it from becoming available as a greenhouse gas.

Sustainable forestry practices can increase the ability of forests to sequester atmospheric carbon while enhancing other ecosystem services such as improved soil and water quality.

Harvesting and regenerating forests can also result in net carbon sequestration in wood products and new forest growth.

Forests are also important to reduce flooding. Forested land can have up to 40% less water run off than cleared land.

Research shows that urban and rural wilderness has the ability to capture 170 tonnes of carbon per hectare (t/ha). Forests currently make up about 26.3 million hectares of the province's 54.8 million hectare land base.

Maintaining existing wilderness and creating more wilderness is the most cost effective way to fight climate change.

A Manitoba Liberal Government will move to increase wilderness by 50,000 hectares by 2030. This new wilderness would have the ability to capture an additional 8500 (kt CO₂eq) of carbon annually.

We will develop incentives to encourage more wilderness and to let natural populations regenerate.

We will partner with communities, First Nations and farmers who can provide local knowledge to develop a better land use plan. This will help ensure we are not pushing the limits of marginal land.

By improving Manitoba's land management policy, we will optimize carbon storage and help prevent flooding. We will do this by partnering with stakeholders. In addition, we will provide incentives for water retention, wetland restoration, and maintaining and enhancing forested areas.

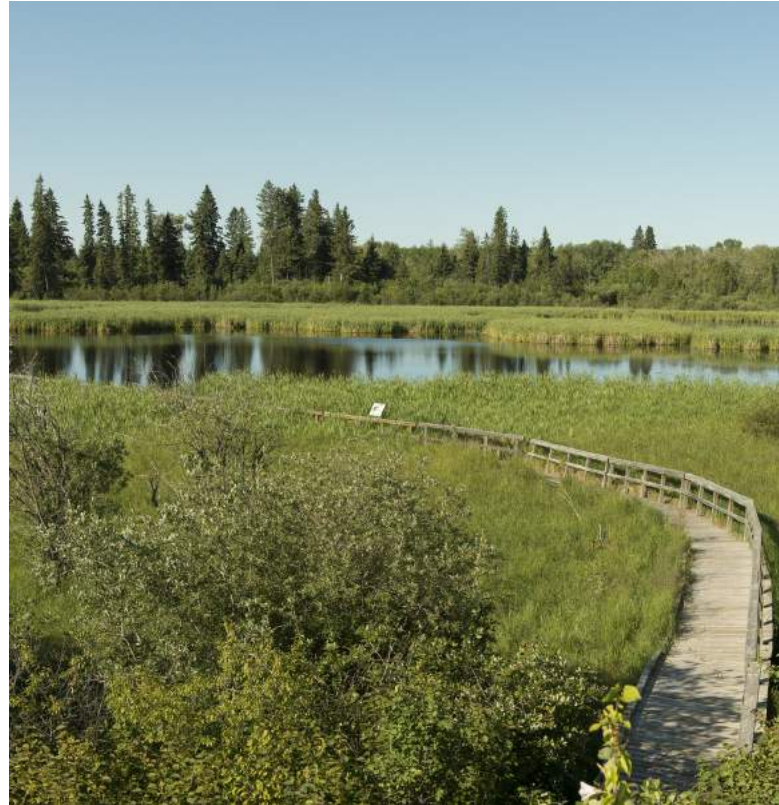
Step 3: Working with Nature to Reverse Pollution

EXPAND WETLANDS

Wetlands are also very important for storing carbon.

According to Ducks Unlimited Canada, even with the current Manitoba Wetland Restoration Incentive Program, we are still losing 10 hectares of wetlands for every 1 hectare that is restored.

We will implement a policy to restore and maintain existing wetlands to increase stored carbon and improve water management to decrease flooding. This would include building positive working relationships and incentives for water retention and wetland restoration with land owners.



RESTORING GRASSLANDS: THE MOST ENDANGERED ECOSYSTEM IN NORTH AMERICA

Native grasslands are one of the most endangered ecosystems in North America with only 1% of the original area remaining. Native grasslands have the capacity to “bank” as much carbon as trees by growing long roots deep into the soil. Manitoba Liberals will promote the restoration of native grasslands and generate more seeds for further restoration.

One such "off-the-shelf" project, originally proposed by Richard Manning and J. Morgan is to restore the Red River Floodway to being a tall grass prairie.

BETTER CARE AND MANAGEMENT OF THE BOREAL FOREST

The boreal forest is known to contain the largest store of carbon of any ecosystem in Manitoba. The amount of carbon stored is so large that better care and management of the boreal forest by as little as 0.1% can achieve a net increase in carbon storage of between 2800 kt CO₂eq and 4000 kt CO₂eq.

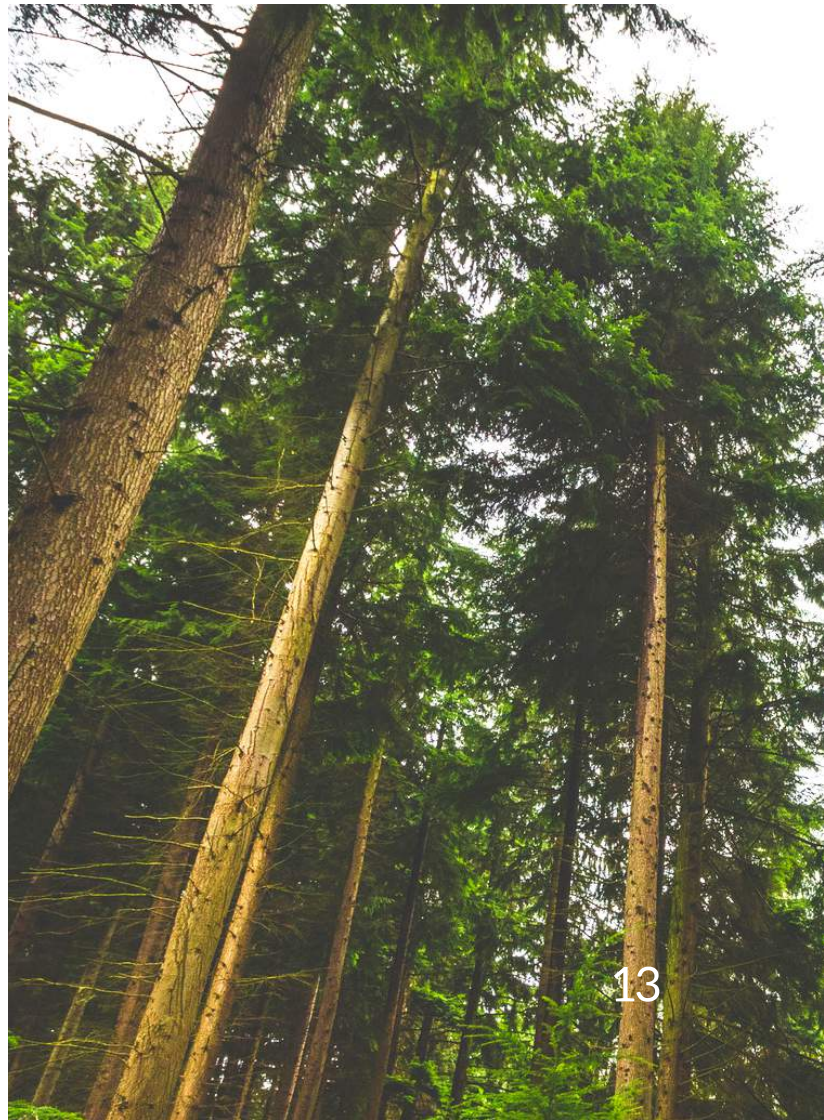
One of the consequences of climate change is forest fires, which release vast amounts of carbon dioxide. Another consequence is large scale insect infestations which kill trees and reduce their ability to store carbon. With better forest fire management we may be able to achieve large reduction in emissions.

Improved forest stewardship has the potential for very large gains in carbon storage.

If we do not improve stewardship, we will see more forest fires and insect infestations. Canada's forests have been a net source of additional carbon emissions, rather than acting as a sink in the last few years.

Manitoba Liberals will have a short run goal of a net improvement of 1000 kt CO₂eq of new sequestration annually by 2030. The long run goal is to achieve a net annual increased sequestration of 20,000 kt CO₂eq by 2070.

These goals are realistic because the warming climate will enhance the potential for tree growth in Manitoba's boreal forest provided we manage it well.





Step 3: Working with Nature to Reverse Pollution



NEW URBAN FORESTS & WILDERNESS

Urban trees are particularly effective at absorbing carbon dioxide because they are located so close to sources such as fossil fuel-burning transport and industrial activity. Increasing and protecting urban green space is vital towards capturing carbon through more wilderness.

There is potential for urban gardens on the roofs of buildings and for increased treed areas in some locations within cities and towns in Manitoba.

Such initiatives could increase carbon storage by 100 kt CO₂eq by 2025 and 200 kt CO₂eq by 2030.

Invasive species like the Emerald Ash Borer risk decimating Winnipeg's urban forest. A Manitoba Liberal Government will support prevention and reforestation.

Partnering with municipalities will be key to achieving these goals. We will provide:

- Enhanced funding and grants for green space restoration in municipalities
- Work with municipalities to change by-laws to enable roof top gardens in urban centres
- Incentives for home and building owners to plant trees

Step 3: Working with Nature to Reverse Pollution



HARNESSING THE POWER OF AGRICULTURE TO FIGHT CLIMATE CHANGE

Manitoba farmers work on a huge amount of land. They have the potential to make a tremendous positive impact in fighting climate change and quickly improving the environment.

By planting trees, shrubs, and windbreaks combined with soil and wetlands management, farmers could help bank and store millions of tons of carbon.

Our best estimate is that about 10 percent of Manitoba's annual greenhouse gas emissions, or 2000 kt CO₂eq, come from the use of fossil fuels by the agricultural industry. This includes gasoline and diesel used in tractors, cars, trucks, and other machinery used in agriculture. By altering the fuel used or upgrading equipment, we can reduce our emissions.

Manitoba Liberals will fund projects for farmers to test the effectiveness of new techniques in locking carbon into the soil.

This will include :

- Pasture management, including carbon farming or “regenerative agriculture” practices
- Silviculture (planting trees)

Both have shown they can increase soil health and the productive capacity of land resulting in higher yields.

A GREENHOUSE GAS 300 X STRONGER THAN CO₂: NITROUS OXIDE

Nitrous Oxide is a greenhouse gas with approximately 300 times more greenhouse warming potential (GWP) than carbon dioxide.

Nitrous oxide emissions account for about 3000 kilotonnes of carbon dioxide equivalents or 15% of Manitoba's Greenhouse gas emissions.

Manitoba Liberals will work with farmers in Manitoba to subsidize improved nitrogen management to reduce nitrous oxide production by one third by 2025 and by two thirds by 2030.

This single measure will achieve a reduction of total greenhouse gas emissions in Manitoba by 2000 kilotons, or 10%, of current greenhouse gas production by 2030.



Step 4: Making it Easier for Manitobans to Go Green

REDUCING ENERGY WASTE

We will cancel Pallister's costly and pointless new corporation "Efficiency Manitoba" and relaunch "Hydro PowerSmart".

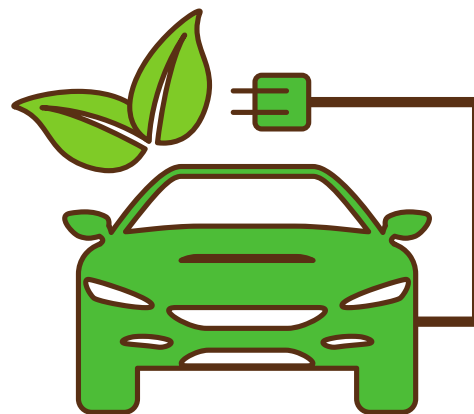
Through Manitoba Hydro, we will encourage the purchase and use of energy efficient appliances, CFL & LED lights, and smart thermostats.

We will introduce a combination of tax incentives as well as direct grants for insulation retrofits. This will reduce energy bills for Manitoba families and businesses.

NEW ELECTRIC CHARGING STATIONS

Manitobans want to own electric vehicles but there is currently a lack of infrastructure such as charging stations to meet the needs. The Canadian Centre for Policy Alternatives estimates that for every 10 percent reduction of light duty vehicles replaced with all-electric vehicles in Manitoba, we would see a reduction of 393 kt CO₂eq annually.

A Manitoba Liberal Government will implement policy to see a 20% reduction by 2025 and a further 50% reduction in the purchase of 100% gas-powered vehicles by 2030, for a decrease of 1965 kt CO₂eq annually.



Step 4: Making it Easier for Manitobans to Go Green

SUPPORT THE SHIFT OF HEAVY DUTY TRUCKS TO ELECTRIC

Heavy duty trucks account for over 2,000 kt of CO₂e, or 10%, of Manitoba's carbon emissions every year.

A Manitoba Liberal Government will continue to support and enhance the "Manitoba GrEEEn Trucking Program." This program offers incentives to companies/owner-operators that install various technological improvements on trucks to reduce their emissions. These include: anti-idling technologies, truck tractor/trailer aerodynamics, and new tire technologies.

In addition, incentives will be implemented for heavy duty truck operators, transit and other companies to buy made-in-Manitoba clean fuel.

With these policies in place, we estimate a reduction in emissions by giving Manitobans options to driving and making sure we are moving people and goods using renewable energy.



Step 4: Making it Easier for Manitobans to Go Green

SUPPORTING PUBLIC TRANSPORT AND ACTIVE COMMUNITIES

Low cost and accessible public transportation is environmentally friendly and it also allows people to be more independent. It makes it easier for more people to get to work, school and appointments. Investing in transit also provides seniors and people with disabilities greater mobility and independence.

Manitoba Liberals will invest in new and improved transit systems in cities and towns across Manitoba. We will ensure that transit is affordable and accessible. We will work toward even greater electrification and net-zero emissions for public transportation.



RAIL RELOCATION COMMISSION

Manitoba Liberals will also set up a commission to examine the costs, risks, and benefits of rail relocation or rail rationalization for the City of Winnipeg.

When the railways were first built, they did not carry thousands of railcars of oil and hazardous materials through the city and residential neighbourhoods.

The expected cost of building future infrastructure to avoid the railways is in the multiple billions of dollars. We know that the rail system could be much more efficient. Every day thousands of Winnipeggers waste time, energy, and money idling while waiting for trains to pass.

There is a point where it will cost much less to move rail lines and modernize our rail system for future generations than to continue to build infrastructure to work around it.

Step 4: Making it Easier for Manitobans to Go Green

HELP AT HOME

Manitobans are concerned about the environment and the world we are leaving to future generations.

Governments can do much more to inform people of the steps they can take to help to reduce their own carbon footprint and save money.

Manitoba Liberals will launch an education and awareness campaign for all Manitobans to make the small everyday changes that can result in a big impact for our planet.

The strategy will include:

1. A move to ban single use plastics and styrofoam.
2. Household waste reduction by supporting municipal recycling and compost province-wide.
3. Incentives for green home improvements and technology.
4. Reducing general household waste, upcycling furniture, freecycling centres, and a “repair, don’t replace” campaign.

Other steps families can take to reducing their carbon footprint include going paperless and choosing sustainable goods.



Step 4: Making it Easier for Manitobans to Go Green

DIVERTING ORGANIC WASTE

The decomposition of organic waste in landfills produces a landfill gas containing about 50% methane and 50% carbon dioxide. Methane has a warming potential 21 times that of carbon dioxide. As a result, landfills are considered a significant source of greenhouse gas emissions.

In Manitoba, it is estimated that up to 40% of our waste is organic waste and consists mainly of yard, food, and wood waste.

Every tonne of organic waste diverted from landfill reduces 0.59 tonnes of CO₂ equivalent annually.

Manitoba Liberals will work to divert 100% of organic waste from landfills. We will also develop programs that would see organic waste-to-energy plants to create bio-diesel and methane plants.

A Manitoba Liberal Government will implement a landfill ban on organic waste by 2025 which would effectively divert 380,000 tonnes of waste annually from Manitoba landfills and reduce carbon outputs by 224 kt CO₂eq annually.



SUMMARY

The Manitoba Liberal Plan for Green Growth and Renewal sets out bold and achievable goals for acting on climate change.

Manitoba has the capacity to become carbon neutral in 10 years by storing as much carbon as we emit. We have the ability to adapt to the changes in our economy by being the leader in clean energy and environmental renewal, creating good jobs for Manitobans. We can take back control of our province and our environment. All we need is the social and political will to move this plan forward.

The Intergovernmental Panel on Climate Change (IPCC) concluded that if humans don't take immediate and collective action to limit global warming, the consequences will be irreversible. Extreme droughts, devastating wildfires, massive floods, deadly hurricanes, and widespread famine will become the norm.

Canada's Changing Climate Report (CCCR) commissioned by Environment and Climate Change Canada stated that Canada, on average, is experiencing warming at twice the rate of the rest of the world.

When we face such threats to humanity and to our own children, we have a moral obligation to act.

For Manitoba, this is an opportunity to lead, to grow, and to turn Manitoba's strengths to our advantage, for the benefit of every community in our province.

One of the most important implications of recognizing that humans are shaping the climate is that we can choose to shape it differently.

A Manitoba Liberal Government will immediately begin implementing these crucial steps towards our greener and cleaner future.

SUMMARY

Step 1: Taking Back Control & Negotiating a New Green Deal for Manitoba

- Renegotiate the climate deal that Pallister abandoned, and set out a plan and timelines for measures that will have a real impact on climate change.
- Create a Green Manitoba Fund and the Green Innovation Fund to drive research & development and commercialization of new environmental and climate change technologies, including alternative energy and GhG storage
- Create a “Green Lens” for Government Policy that considers and sets out the environmental impact of policies

Step 2: Making Manitoba a Leader in Clean Energy

- Use Hydro’s renewable power, combined with more wind and solar to make Manitoba a leader in clean energy and alternative low-carbon and carbon neutral fuel production
- Invest in projects and technology to generate clean energy, reduce emissions, and encourage carbon storage.
- Harvesting carbon from the atmosphere for storage and use
- Exporting excess Hydroelectricity to our neighbouring provinces to reduce their carbon footprints
- Refinancing Hydro to ensure Manitoba’s hydro rates stay affordable

Step 3: Working with Nature to Reverse Pollution

- Natural Renewal: we will encourage and invest in wilderness renewal. New forests and new grasslands, which can act to draw down carbon from the air and store it in the soil while providing more habitat for animals
- Encouraging restoration and expansion of wetlands
- Improved care and management of the boreal forest to encourage new growth and carbon storage, while reducing the risk of fires and insect infestations
- Providing incentives for “carbon farming” - innovative agricultural techniques for producers to store carbon in the soil.
- Working together with municipalities and communities to enhance and create new urban green spaces

Step 4: Making it Easier for Manitobans to Go Green

- Implementation of compost programs for all Manitobans to divert 100% organic waste from landfills
- Reducing energy waste for all Manitobans by providing incentives for green retrofits to reduce the carbon footprint of every Manitoban and save them money.
- Create charging infrastructure and incentives for electric vehicles
- Supporting the shift of heavy duty trucks from gas to electric
- Supporting improved and efficient public and active transportation and studying rail relocation.
- Help at home for Manitobans to reduce waste

SUMMARY

HOW WE WILL PAY FOR THIS PLAN:

Polluting should not be free, but moving towards our greener future shouldn't be a financial burden on Manitobans. Balancing incentives with the costs is a key part of our plan.

- Renegotiated carbon tax and climate investments from the Federal Government will give a better picture of provincial costs and revenue, ensuring all new green revenue goes towards green investments, reducing costs and the carbon footprint of Manitobans
- Phasing out fuel subsidies for fossil fuels extracted from the earth, redirecting funds transparently towards the Green Manitoba Fund
- Keeping separate accounting practices for large emitters in our Green Manitoba Fund to ensure accountability and transparency of revenue and expenses
- Cost-free internal government changes which will redirect policy and funding towards greener initiatives. This will save money in the short and long terms.
- Good jobs and economic growth means less social program costs to our bottom line and more government revenue

CARBON NEUTRAL BY 2030

Estimated Emissions Reductions and Storage (Tonnes)	2025	2030
Federal Hybrid Carbon Pricing Plan	570,000	1,730,000
Carbon Storage technology	-	1,578,000
East West Power Sharing	2,000,000	2,000,000
Wilderness	3,550,000	8,500,000
Boreal Forest Stewardship	250,000	1,000,000
Urban Forests and Gardens	100,000	200,000
Greener Agriculture Practices	1,000,000	2,000,000
Green Lens and Good Data	-	2,000,000
Steps for Manitobans	200,000	400,000
Organics Diversion	1,120,000	2,240,000
The Road to Electric	786,000	1,965,000
Total Tonnes of Emissions Reductions and Storage	9,576,000	23,613,000
Projected Annual Emissions (Business as Usual)	22,450,000	23,310,000
Percentage Decrease	43%	101%

Manitoba Liberals want to hear from you on how we can leave a better province to our children.

Please e-mail us your ideas and comments to: manitoba.liberals@leg.gov.mb.ca

Manitoba Liberal Plan for Green Growth and Renewal

Manitoba Legislative Building
Room 123 - 450 Broadway
www.mbliberalcaucus.ca



@MBLiberalCaucus