EFFICIENCY MANITOBA

SPRING 2023

EFFICIENCY MANITOBA | SAVE TODAY. SAVE TOMORROW.

A MESSAGE FROM THE CEO

Despite working in the energy efficiency industry for over 25 years, seeing the positive impact saving energy can have on peoples' lives continues to bring me joy. Whether it's hearing about the small business owner who reduced their operating costs and improved their business viability, or the lower-income household experiencing the relief of more affordable monthly energy bills, these glimpses into the ways saving energy can benefit individuals serve as a poignant reminder of how important Efficiency Manitoba's work is.

Indeed, the world has seen some significant shifts and never-before-seen global challenges over the past several years. I'm acutely aware of the external environment in which we're operating. With the current cost of living challenges and concerns for our climate coalescing, solutions and help are needed now more than ever.

The good news is that energy efficiency provides a clear path forward — and it's a path that's available and within your reach today. Energy-saving products, devices, and technologies are readily available to you, many of which can be installed by a local Manitoba contractor. These energy efficiency solutions have repeatedly been shown to make noticeable impacts on the energy costs of homes and businesses, which help to mitigate the impact of future energy rate increases. And at Efficiency Manitoba, we offer rebates, services, and technical advice for nearly every energy-consuming area of homes and businesses to make upgrades accessible to everyone.

We have a responsibility to ensure all Manitobans can partake in energy efficiency. This is a responsibility I, and the rest of the team, take very seriously. As this edition of our magazine is being distributed, we're preparing our next three-year plan for energy efficiency in Manitoba. Through this process, our team is continuing to explore innovative approaches to energy efficiency, while planning even more ways to address the barriers experienced by Manitobans that have kept them from participating in our programs to date. We're committed to continually improving our offers and finding new ways to deliver energy efficiency to every home, business, and community.

As I think about that small business owner and lower-income household, I know their experiences with our programs are a testament to the powerful, positive impact saving energy has on individuals and as a collective. I hope that one day, I'll get to hear how your life was positively impacted by Efficiency Manitoba — and how your actions contributed to a better tomorrow.

I say this with full conviction: **now is the time to invest in energy efficiency.** We're here to help make the process easy, affordable, and rewarding.

Colleen Kuruluk
Chief Executive Officer,
Efficiency Manitoba

Natural gas efficiency programs are funded in part by the Low Carbon Economy Fund.

Funded in part by:
Financé en partie par :
Canada Manitoba

ENERGY EFFICIENCY 101
SAVING FOR TODAY & TOMORROW

Do you want to make energy efficiency upgrades but aren't sure where to start? We can help! Efficiency Manitoba has many programs to help you save energy, money, and the environment.

What is energy efficiency?

You've probably heard the term "energy efficiency" before. We hear things like "be more energy efficient" or "use energy more efficiently" — but what does that mean?

Energy efficiency is about using less energy to do the same job and get the same (or better!) result. We want to ensure the electricity and natural gas we consume go toward a specific job, like heating our homes or powering appliances, instead of going to waste.

Many Manitoba homes, businesses, and communities use more energy than required. There are ways to reduce wasted energy while still being able to comfortably live, work, and play. We want to work with you to save energy, money, and the environment. It's a win all around!

Energy efficiency produces real benefits

Energy efficiency isn't just a buzz phrase or a passing trend. It's a set of changes and behaviours that produce long-term results, both individually and collectively as a province.

There are lots of benefits of using energy more efficiently:

- Lower energy bills
- Reduced greenhouse gas (GHG) emissions
- Improved indoor comfort
- Reduced maintenance costs
- Improved operations (for businesses)
- Increased opportunities for green job creation

Programs to help you save

We have a variety of programs and offers to help you save energy in your home, business, and community. A good place to start is by addressing areas of your home where you can save on heating and cooling costs, such as your insulation levels or the efficiency of your current heating system. You can learn more about our offers on page 7 or visit our website at **efficiencyMB.ca** for a complete list of programs and rebates.

Helping you take initiative today

We believe all Manitobans should enjoy benefits from energy efficiency upgrades. We're proud to make these upgrades easy and affordable through our rebates, services, and expert advice.

Before you start your energy efficiency upgrade, **check Efficiency Manitoba first**. We're here to help you every step of the way!

SOLAR PV SYSTEMS: THE BASICS YOU NEED TO KNOW

Manitobans are increasingly interested in using solar photovoltaic (PV) systems to power their homes and businesses — and it's no wonder why! When it comes to renewable energy sources, the sun is high on the list. Harnessing the sun's rays through solar PV creates clean energy that reduces the need for traditional energy sources.

But how do solar PV systems work and what are the benefits for homeowners and businesses? What are some important things to keep in mind before making the investment? And does Efficiency Manitoba offer rebates? Spoiler: the answer is yes!

What is solar energy?

First, we need to define solar energy. Solar energy captures light from the sun and converts it into forms of energy, like electricity and heat, that we can use. There are two methods of solar energy generation commonly seen in homes and commercial buildings: solar PV and solar thermal. Both methods use the sun's energy to create usable energy. However, solar PV systems use the energy to generate electricity, whereas solar thermal systems use the energy to heat air or water. This article focuses on solar PV systems for generating electricity.

How solar PV systems work

Solar PV systems are the most used solar technology. During the day, solar PV panels produce direct current (DC) power from the sun's rays, which is fed through an inverter to create alternating current (AC) power. AC is the most common type of electrical current used in our homes.

The benefits of solar PV

There can be many benefits to installing a solar PV system:

- It provides energy to your home or business in a sustainable manner.
- It helps reduce your monthly energy bills.
- It mitigates the impact of future rate increases.
- It can increase the value of your property.

Connecting to the grid

Most of Manitoba's solar PV systems are grid-connected. In a grid-connected system, any surplus electricity generated by your solar PV system that remains unused in your home or business travels back to Manitoba Hydro's electrical grid. Connection to the grid also ensures you have a reliable supply of electricity when your solar PV system isn't generating enough for your needs. Grid-connected solar PV systems can significantly reduce the amount of electricity you buy during daylight hours depending on a number of factors.

Panel mounting options

There are two main ways to mount your panels: **rooftop** or **ground mounted**.

Rooftop system installation mainly happens in urban areas where there's not enough space for a ground system. The size of the roof may limit the size of the system, and the roof slope can make it difficult to optimize production of solar energy. However, it can still be a good option and produce a desirable amount of electricity depending on the orientation and inclination of the roof.

Ground systems are more common on large properties with lots of space. Fixed panel systems facing due south at 40° to 50° inclination achieve better energy output, which is easier to do with a ground system. A rooftop system is often limited to the direction the roof faces (which is often not due south) and the roof slope (which is usually lower than the ideal inclination). Because they're more accessible, fixed ground systems are generally easier to maintain and keep clean and clear of snow compared to rooftop systems.

Install a solar PV system & get a rebate

Like any significant investment, research and understanding is key. When it comes to the investment and decision on a solar PV system, we have several articles on our website to help with your research.

If you've determined that installing a solar PV system is for you, we can help. Through our Solar Rebate Program, we offer $0.50 per DC watt installed on homes and businesses connected to Manitoba Hydro's grid, up to a maximum of $5,000 per home and $25,000 per business. Rebates are available for system sizes up to 10 kW per home and 50 kW per business. You can install solar systems larger than this; however, our rebate is capped at 10 kW per home and 50 kW per business.

Visit **efficiencyMB.ca/solar** to learn more and find out if you're eligible.

In addition to our rebates, you could get up to $5,000 through the Canada Greener Homes Grant for your solar PV installation. Check out page 11 to learn more!

SPRING TIPS

Don't forget about the lights

It may be a simple tip, but it's effective: whenever you leave a room, turn off the lights. You can also take advantage of the longer spring and summer days by using daylight rather than artificial lighting.

Hold off on the AC

If you have an air conditioner, wait as long as possible before you start using it. You can open and close your windows to take advantage of natural cooling before your air conditioner is required.

WORKING TOGETHER TO FIND ENERGY SOLUTIONS

We're excited to partner with Raven Indigenous Capital Partners to support First Nation communities in Manitoba in installing energy-efficient heating and cooling systems. Through this partnership, we're seeing the installation of ground source heat pumps in First Nation communities with immediate energy-saving benefits. Other partners in this initiative include the Canadian Mortgage and Housing Corporation and the contractor Aki Energy.

"There are ways we can work together to scale this out and really hit everyone's targets, which is good for Mother Nature, good for Indigenous Peoples, and good for all people," says Jeffrey Cyr, Managing Partner at Raven Indigenous Capital Partners. **"When you decrease the energy usage in a community, you increase the resiliency of the community."**

A new way of financing

Indigenous-owned and -led Raven Indigenous Capital Partners raises private capital to invest in Indigenous enterprises and communities.

Raven uses a social finance tool called a Community-Driven Outcomes Contract (CDOC). They work with Indigenous communities to identify social problems and their solutions.

"It's our experience that those closest to the problem know best how to solve it," Jeffrey says.

Raven and the community set targets or outcomes, then find an outcomes purchaser who will pay once those targets are met. The outcomes purchaser is often a government organization. In our partnership, we're the outcomes purchaser of saved energy achieved through the installation of ground source heat pumps.

"Efficiency Manitoba is showing leadership for the rest of the country about how these operating arms of government, of different agencies, and of different power authorities can really work to get better outcomes," Jeffrey says.

Raven secures investors to cover the upfront capital costs and contracts local Indigenous enterprises to complete the work that will help the community reach their outcomes. The design of the solution is done collaboratively with the community.

"Once the contract is completed, outcomes are independently verified so that it's a pay-for-success model. The upfront capital cost from private investors is repaid, and the outcomes, which go beyond only money and energy savings, are usually so significant that it far outweighs the cost of repaying it," Jeffrey remarks.

Benefits of ground source heat pumps

By installing a ground source heat pump, you can reduce your electric heating costs by up to 60%. Beyond the savings, Jeffrey shared a story about a ground source heat pump installed in a grandmother's home in a First Nation community.

Since the ground source heat pump now provided cooling in her home, her grandchildren and their friends would come to escape the summer heat. She could spend time with them and offer traditional teachings and storytelling. The increased airflow in the home also improved indoor air quality, offering health benefits.

Another positive outcome is that this initiative trains community members to install ground source heat pumps, which means local job creation in the community.

"You get this real sense of mino-bimadzowiin, which [in Anishinaabe] means to live the good life or to live well," Jeffrey says.

To learn more about Raven Indigenous Capital Partners and CDOCs, visit **riif.ca/outcomes**.

SAVING ENERGY IN MULTI-UNIT RENTAL BUILDINGS

If you own or manage a multi-unit rental property, you can make energy efficiency upgrades through our In-Suite Energy Efficiency Program. These improvements can lead to lower energy usage and bills which are good for you, your tenants, and the environment.

The program offers free basic upgrades, including A-line LED bulbs, bathroom and kitchen faucet aerators, showerheads, shower timers, and other items. And it's not just the energy-saving devices that are free — so is the installation! Our program service provider, Ecofitt, will install the devices at no extra charge.

We also offer incentives of up to $250 per suite toward the installation of smart thermostats and advanced heat recovery ventilator (HRV) controls by a certified electrician.

How much can you save on your energy bills?

Last fall, two buildings in Selkirk participated in our In-Suite Energy Efficiency Program. Cambridge House (300 Tudor Road) and Woodland Courts (387 Annie Street) received showerheads, bathroom and kitchen faucet aerators, and LED bulbs for all 87 suites in the buildings.

"When we received information about the program, we were interested in reducing our energy bills and addressing any inefficiencies we may have," said Tracy Flores, the manager of both buildings.

Together, the buildings will save about 13,900 kilowatt-hours (kWh) of electricity and 8,400 cubic metres (m^3) of natural gas; these energy savings combined are almost enough energy to power four homes for a whole year! They'll also save a combined 1.3 million litres of water annually. These energy and water savings are thanks to the energy efficiency upgrades that were entirely free of charge.

"We were very impressed with [Efficiency Manitoba's contracted service provider] Ecofitt. From the start, they answered any questions we had about the program," Tracy said.

"When it came to the actual rollout, they were very efficient, considering they had over 80 suites to upgrade between our two buildings. Our two buildings consist of an assisted living facility and senior housing, and I must say, Ecofitt was very courteous, pleasant, and respectful with our tenants."

To learn more and apply for energy efficiency upgrades in a building you own or manage, go to **efficiencyMB.ca/insuite.** And if you're a tenant interested in saving money and energy, get in touch with your landlord to tell them about our In-Suite Energy Efficiency Program.

CURRENT OFFERS

PROGRAMS & REBATES FOR YOUR HOME

If you're looking to make upgrades to your home, check out our offers first. Our rebates and expert advice can help you incorporate energy efficiency into your project, saving you money on your energy bills.

These are just a few ways we make saving energy and money easy and affordable. You can find even more rebates throughout this magazine. And if you have any questions, connect with us. Visit our website, send us an email, or give us a call. We're here to help.

INSULATION

Making sure your home is properly insulated is one of the best ways to reduce your energy bills, and we have two ways to help you save!

Through our Home Insulation Rebate, homeowners can receive **money back on attic, wall, and basement insulation costs**. Start by choosing a registered contractor or retailer from our online directory before starting any work — they'll help you apply.

Depending on your income, you could qualify for **free insulation upgrades** through our Energy Efficiency Assistance Program. Qualifying homeowners and rental properties can receive attic, basement, and wall insulation, all at no cost.

APPLIANCE RECYCLING

Do you have any old, working fridges or freezers you're looking to get rid of in your home or garage? **We'll pick them up for free, recycle them responsibly, and give you $30** for each one we collect. While we're at your home, we can also pick up any working dehumidifiers, window air conditioners, bar fridges, or small-sized freezers at no cost.

Saving energy, freeing up space, and helping the environment have never been so easy and convenient! Visit our website or give us a call to book your pick-up today.

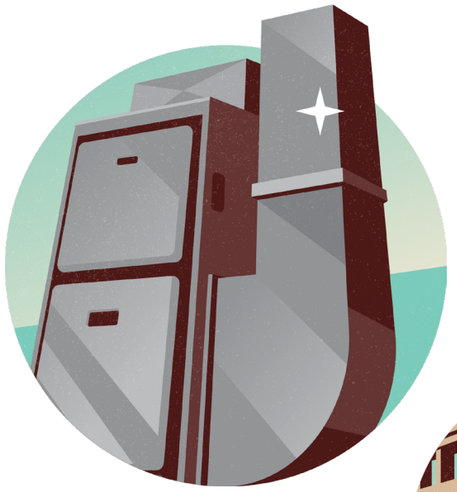
WINDOWS & DOORS

High-performance windows and doors can prevent drafts from leaking into your home. With features like triple pane glass, improved insulation, and high-quality weatherstripping, they can reduce air leakage and condensation while making your home more comfortable.

We offer **up to $1,000 in rebates** when you replace your existing windows and doors with select ENERGY STAR® certified models. Simply check our website to make sure you and your products qualify, buy and install eligible windows and doors, then apply online for your rebate — it's that easy!

SOLAR REBATES

Thinking about installing a solar photovoltaic (PV) system? Visit page 3 to learn more about solar and our rebates available for your home or business!



HEATING, COOLING & CONTROLS

If you're looking to upgrade your heating and cooling system, consider a **heat pump**. Air source and ground source heat pumps provide efficient heating and cooling in one unit, and we offer rebates on both!

We also offer **subsidized heating upgrades** through our Energy Efficiency Assistance Program. Qualifying homeowners and rental properties can upgrade to a new high-efficiency natural gas furnace for as little as **$9.50 per month** or get a **$5,000 rebate** toward a high-efficiency natural gas boiler.

And finally, if you have a heat recovery ventilator (HRV), upgrading to an **advanced HRV control** can help you save energy. We offer an instant **rebate of up to $150** when you have a registered contractor install an eligible control.

NEW HOMES

If you're thinking of building a new home, design it with energy efficiency in mind. Increase your home's comfort and quality while keeping your monthly energy costs low by building a home that's Certified Energy Efficient by Efficiency Manitoba.

Through our New Homes Program, you'll work with an energy modeler to maximize energy-saving opportunities in your new home's design and receive **up to $12,000 in rebates**. Apply during the design phase of your project and enjoy savings, comfort, and reduced maintenance for as long as you own your home.

INDIGENOUS OFFERS

In an effort to reduce barriers to accessing energy efficiency upgrades, we work with First Nation communities and the Manitoba Métis Federation to provide **customized Indigenous offers**. This tailored approach helps Indigenous Manitobans reduce energy use in their homes and small businesses. Working collaboratively allows us to make energy efficiency upgrades easy, accessible, and affordable.

DEEP ENERGY RETROFITS

Whether your goal is to vastly reduce your energy usage, lower your monthly bills, help fight climate change, or all of the above, a deep energy retrofit can help you get there.

A deep energy retrofit is an extensive renovation of an existing home with a focus on reducing energy usage. These types of projects typically involve making energy-saving upgrades to several areas of your home at once. They differ from individual renovations due to their scale, cost, and complexity. Homeowners considering deep energy retrofits should take a long view of house-related expenses and consider their total cost of ownership.

Immediate and long-term benefits are available to homeowners undertaking deep energy retrofits. These projects can significantly improve home comfort and air quality while reducing energy consumption by 50% or more. You can achieve these benefits by improving the insulation levels of building enclosure components (walls, foundation, and attic), meticulously caulking and air sealing, and replacing windows and doors. After the building enclosure is addressed, invest in energy-efficient heating and cooling systems, water heating systems, lighting, and appliances. On-site renewables like solar panels can help further reduce your home's net energy use. Renovation projects targeting Net Zero Energy, Net Zero Ready, or Passive House certification are all examples of deep energy retrofit strategies.

We're here to make planning and carrying out your renovation project easier. Through our Home Energy Retrofits offer, you'll receive guidance from an energy advisor and rebates to help with your project costs. Our rebate is based on your project's overall energy savings, so the more energy you save, the more money you'll receive!

Where to start

An EnerGuide energy efficiency home evaluation is a comprehensive way to understand and make decisions about potential home upgrades. If you apply to our Home Energy Retrofits offer, you'll need to hire an energy advisor to perform an EnerGuide evaluation on your home before you start work.

Getting an EnerGuide evaluation doesn't mean you have to proceed with any specific upgrade, but it's an effective way to understand your home's energy use and opportunities for improvement. You may also be eligible for rebates for the cost of the evaluation through other programs like the Canada Greener Homes Initiative (check out page 11 for more details). It's a good idea to plan your evaluation well before you'd like to start working on your project.

After carrying out the EnerGuide evaluation, your energy advisor will provide you with:

- an EnerGuide rating and label;
- a Homeowner Information Sheet; and
- a Renovation Upgrade Report.

Are you ready to retrofit?

If you're interested in taking your home to the next level of energy efficiency, you may be eligible for our Home Energy Retrofits offer. Through this offer, we can provide you with support and rebates to make renovating easier. Go to **efficiencyMB.ca/retrofits** to learn more and find out if you qualify.

If you want to make energy efficiency upgrades to your home but don't think deep energy retrofits are right for you, we have other energy-saving programs available. Whether you're adding more insulation to your home, replacing your windows, or upgrading your heating system, we're here to help.

Are you a business owner?

If you're interested in exploring a deep energy retrofit for your commercial building, learn more about our Commercial Deep Energy Retrofit Program at **efficiencyMB.ca/deep-energy-retrofit.**

SPRING TIPS

Cook outside

Use a barbecue for cooking your meals. It keeps heat out of your home, and you'll get to enjoy that freshly grilled, smoky taste!

Make everyday Earth Day

Earth Day, an event celebrated worldwide to show support for the environment, is coming up on April 22. Choose one or two energy-efficient actions that are new to you, put them into practice this Earth Day, and see if you can keep up with them for the whole year!

DOUBLE UP ON SAVINGS

Get rebates from Efficiency Manitoba and the Canada Greener Homes Initiative

What's better than receiving a rebate for your energy efficiency upgrades? Receiving multiple rebates to save even more money!

We're proud to provide over 40 programs and offers to help you access energy and bill savings in your home, where you work, and in your community. To make your home upgrades even more affordable, you can stack our rebates with those available through the Canada Greener Homes Initiative.

In addition to our offers, the Canada Greener Homes Initiative offers grants and loans for homeowners who implement energy efficiency upgrades — such as insulation, windows and doors, air sealing, and mechanical and renewable energy systems — recommended by a certified energy advisor. You can receive a grant of up to $5,000 for eligible retrofits, and potentially qualify for interest-free loans from $5,000 to $40,000 with a repayment term of 10 years for major home retrofits. These rebates can be stacked with our rebates so you can save more!

The Canada Greener Homes Initiative also offers up to $600 for a pre- and post-retrofit EnerGuide home evaluation. Before starting any work and to qualify for the Canada Greener Homes Initiative, a certified energy advisor must complete your evaluation; they'll recommend energy efficiency upgrades that make sense for your home. Once you choose your upgrades and check to see if you qualify for any Efficiency Manitoba rebates, you can hire a licensed professional to complete the work.

While the Canada Greener Homes Initiative and our programs both offer rebates for energy efficiency upgrades, there are some differences. Here are a few important things to keep in mind when comparing our rebates with the Canada Greener Homes Initiative:

- You can participate in multiple Efficiency Manitoba programs for your home and you could be eligible to receive the maximum rebate available for each program. But it's important to note that the maximum grant available through the Canada Greener Homes Initiative is $5,000 per home for all energy efficiency upgrades recommended in your pre-evaluation report.
- Just because you qualify for a rebate through us, you won't necessarily qualify for a grant through the Canada Greener Homes Initiative, and vice versa.
- While accessing the Canada Greener Homes Initiative requires a pre- and post-retrofit EnerGuide home evaluation, many of our programs don't have this requirement.
- Some of our programs and rebates also require approval before you start any work; visit **efficiencyMB.ca** to learn more.

Scan this QR code to learn more about our rebates or go to **efficiencyMB.ca/my-home.**

Scan this QR code to learn more about the Canada Greener Homes Initiative or go to **canada.ca/greenerhomesinitiative.**

Beyond our programs and rebates, Manitoba Hydro provides financing on your energy bill through the Home Energy Efficiency Loan to help you make energy efficiency upgrades to your home. Go to **hydro.mb.ca/heel** to learn more.

EMPLOYEE FEATURE

Meet Braden!

What's your role at Efficiency Manitoba?

As the Indigenous Programs Analyst, I provide research and support for all our Indigenous programs to help enhance sustainability efforts in Manitoba. The programs I work on include our Métis Energy Efficiency Offers, First Nation Insulation and Direct Install, and more.

What do you like best about working in energy efficiency?

I have always been fascinated with renewables and clean energy. While working on my university degree, I published a paper on the connection between renewables, environmental stewardship, and Indigenous principles of land preservation. Working for Efficiency Manitoba allows me to utilize my studies and passions to support programs aligned with Indigenous principles of stewardship, as well as contribute to the preservation of Indigenous natural resources.

What's an accomplishment you're most proud of?

Helping to launch our Métis Energy Efficiency Offers as well as building a strong relationship with the Manitoba Métis Federation.

Can you tell us about a project you're working on right now that you think Manitobans should know about?

One of the main projects I work on is the First Nation Insulation and Direct Install program. This program provides free energy-saving items to homes in First Nation communities, helping them save on their energy bills. We work closely with each First Nation and provide the items and support to have local labour install these products.

Energy efficiency and sustainable technology are growing industries in Manitoba. I think it is important that Indigenous youth and adults continue to take the opportunity to learn about our programs and benefit their communities through environmental stewardship for years to come.

SPRING TIPS

Replace your furnace filter

When was the last time you changed your furnace filter? We recommend replacing it every three months — and the start of a new season serves as a great reminder.

Wash clothes in cold water

When you use cold water to wash your clothes, you don't use any energy to heat the water. Washing in cold water can even help your clothes last longer since they're less likely to bleed colours or shrink and they'll release fewer microfibres.

AIR SOURCE HEAT PUMPS

Looking for an energy-efficient heating and cooling system? Consider an air source heat pump. They transfer heat in the air from one place to another, using up to 30% less energy than standard electric heating systems. Air source heat pumps efficiently regulate the temperature in your home, working most efficiently when your thermostat is at a consistent temperature setting.

How an air source heat pump works

An air source heat pump typically has both an indoor and outdoor unit. As air travels between the units, a compressor circulates a high-pressure liquid refrigerant that absorbs and releases heat — the same process as your refrigerator. In winter, available heat is pulled from the outdoor air to warm your home. In the summer months, it works in reverse, pushing warm air outside to cool your home.

Conventional versus cold climate

There are two kinds of air source heat pumps: conventional and cold climate. While conventional heat pumps shut off when the outdoor temperature reaches -10°C, cold climate heat pumps can operate down to -30°C, depending on the manufacturer's specifications. For that reason, cold climate air source heat pumps are more suitable in Manitoba.

It's important to note that when it becomes too cold outside, an auxiliary heating source is required to maintain the warmth in your home. Air source heat pump output and performance reduces significantly as the temperature decreases. Ice can build up on the outdoor unit and automatically activate a defrost cycle. This process reverses the airflow, pushing warm air through the outdoor coil to melt built-up ice, and should only take a few minutes.

Which type is right for you?

Air source heat pumps come in centrally ducted and ductless models. The best design for your needs depends on your existing heat source and building size.

Centrally ducted

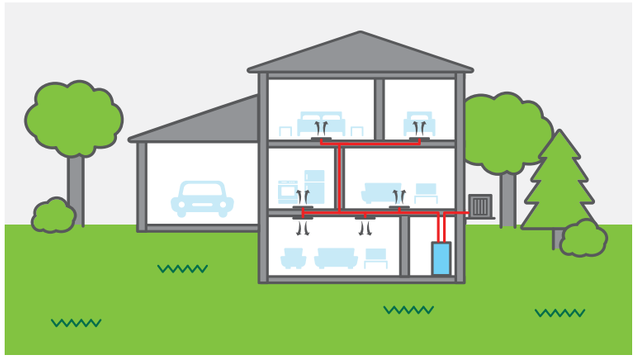
A centrally ducted heat pump uses forced-air ducting to distribute heating and cooling throughout your home. This allows air to reach individual rooms and heat the whole house. Your existing ducting may require modifications to support the heat pump system.

Ductless

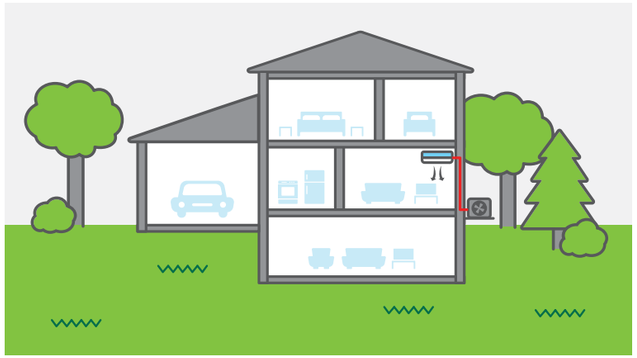
If your home uses heating from baseboards or radiators, you likely don't have ducting installed. In this case, a ductless air source heat pump would suit your needs.

We sometimes refer to ductless units as either mini-split or multi-split. A mini-split heat pump has one outdoor unit and one indoor head, usually mounted on the wall. To warm your entire home, you'll need multiple indoor heads. This is called a multi-split.

A ductless air source heat pump is also a good option if part of your home requires additional heating and cooling or has an open-concept floor plan. They're also generally more affordable as they don't require ductwork.



Centrally ducted



Ductless

Next steps

Your home must be well insulated to capture the full potential of your air source heat pump. Any air leaks can let out heat and reduce the efficiency of your new heating system. Ask your contractor if there are any improvements you should make before upgrading to an air source heat pump.

Once you're ready to upgrade your heating system, we recommend getting quotes from at least three of our registered suppliers. The cost of installing an air source heat pump depends on the type of system, existing heating equipment, and ductwork in your home.

An air source heat pump system is more expensive to install than a conventional heating and air conditioning system, but your annual heating costs can be lower than electric, propane, or fuel oil heating.

We also offer rebates on select ductless and centrally ducted air source heat pumps! Learn more about our Heat Pump Program and see if you qualify by going to **efficiencyMB.ca/heatpump.** Be sure to check the list of eligible heat pumps and send us your application for approval before purchasing your heat pump or starting any work.

CONNECT WITH US

Give us a call:
Winnipeg: **204-944-8181**
Toll free: **1-844-944-8181**

Send us an email:
energyteam@efficiencyMB.ca

Visit our website:
efficiencyMB.ca

Sign up for our newsletter:
efficiencyMB.ca/newsletter

Follow us on social media:
facebook.com/EfficiencyMB
@EfficiencyMB
@EfficiencyMB
linkedin.com/company/efficiencyMB

EFFICIENCY MANITOBA

CHECK OUT OUR REBATES FOR YOUR HOME

- Insulation
- Windows & doors
- Solar PV
- Heat pumps
- Appliance recycling
- New homes
- Deep energy retrofits
- Advanced HRV controls
- Variable-speed pool pumps
- Free & subsidized upgrades for qualifying customers through our income-based & Indigenous offers

If you're planning on upgrading your home, check Efficiency Manitoba first.

Learn more about how you can save in this edition of our magazine.