



Climate Risks and Resilience

Adapting Together: Stronger, Safer, and Ready for What's Ahead

Climate change is already shaping our daily lives, even here in Beaconsfield. Our resilience as a community rests on three essential pillars: **our infrastructure, our natural assets and our social connections.**

Through our Climate Adaptation Plan, we've identified two major vulnerabilities, flooding and loss of our urban forest. These two issues are closely interconnected.

1) Managing Heavy Rain and Reducing Flood Risk

What the data tells us:

- Climate projections from Ouranos show that annual precipitation could increase by 56 to 206 mm by 2080.

More intense rain means a higher risk of sewer overloads and basement backups.

What the City is doing:

- Over \$800,000 invested to restore and maintain the ditch network
- Ongoing inspections, repairs and upgrades to stormwater infrastructure

These improvements help the system handle heavier rainfall, but every household also plays a key role.

What you can do, starting today:

- Check your sump pump connection. Make sure it drains into the municipal ditch, not the sanitary sewer. This single step can significantly reduce the risk of backups in your home and across your street.
Need help? Contact Urban Planning: inspection@beaconsfield.ca
- Help rain soak into the ground. Simple landscaping choices can protect your home and strengthen your neighbourhood's resilience: install rain gardens, permeable pavers, native plants and shrubs and avoid large asphalted areas



Did you know?

One incorrectly connected pump can send as much water into the sanitary system as 50 homes, overwhelming pipes during storms. Beaconsfield has had sewer backups in 2017, 2019, 2024 and 2025.

2) Protecting Our Urban Forest, A Natural Climate Shield

Our trees are more than scenery, they protect us against extreme heat and heavy rains.

What is happening

Between 2017 and 2019, Beaconsfield's canopy cover dropped from 47.8% to 41.9% mostly due to:

- Aging tree species planted in the 1950s reaching the end of their lifespan
- Damage from the emerald ash borer, a destructive insect



What the City is doing

- Planting 250 to 300 trees every year on public land
- Investing \$400,000 annually to maintain and monitor public trees

What you can do:

- Protect the trees on your property
- [Plant a new tree with City support:](#)
 - Free for trees planted on the municipal right-of-way (within 7 m of the street)
 - Subsidized for trees planted on private property (beyond 7 m)
- Explore our guide: [The Vital Role of Our Unique Natural Assets](#)

Every new tree helps protect your home, your street, and your city.



Did You Know?

Trees help cool neighbourhoods by 1 to 8°C, absorb CO₂ and filter rainwater, improve air quality and reduce heat stress. With a projected temperature increase of 3.5 to 7.2°C by 2080, their role is more important than ever.



Two Complementary Actions to Strengthen Our Climate Resilience:

1

Preparing Your Home, A Shared Responsibility

Climate-related events like flooding, heatwaves and power outages are becoming more common. Preparing today means staying safe and reducing the pressure on emergency services during extreme weather.

What you can do now:

- **Build a 72-hour emergency kit**, to stay autonomous for at least 3 days
- **Check all water drainage points** in your home
- **Identify vulnerable neighbours or relatives** nearby
- **Exchange phone numbers** with those around you, including neighbours

[See our guide: How to Protect Your Home from Heavy Rainfall](#)



2

Social Connection: Our Invisible and Most Powerful Infrastructure

When we talk about climate resilience, we often refer to roads, sewers and buildings. But there's another essential infrastructure we rely on every day: each other.

A connected community is a resilient community.

When people know and trust their neighbours, they:

- **Support each other**, including during extreme weather events
- **Exchange tools, resources and information**
- **Check on vulnerable or isolated** neighbours

This is the heart of the Connecting Beaconsfield project, which aims to strengthen neighbour-to-neighbour connections across the City, building a safer, more supportive and more resilient community.

During an extreme weather event, the person most likely to help you quickly lives right next door.

[Learn more about Connecting Beaconsfield on our website: connectons-connecting.ca](https://connectons-connecting.ca)



Together, We Are Stronger

By combining modern infrastructure, natural assets and strong social connections, Beaconsfield is already adapting today and for the future.

By acting now, together, we protect what we value most: our homes, our health, our neighbourhoods and the environment we share.