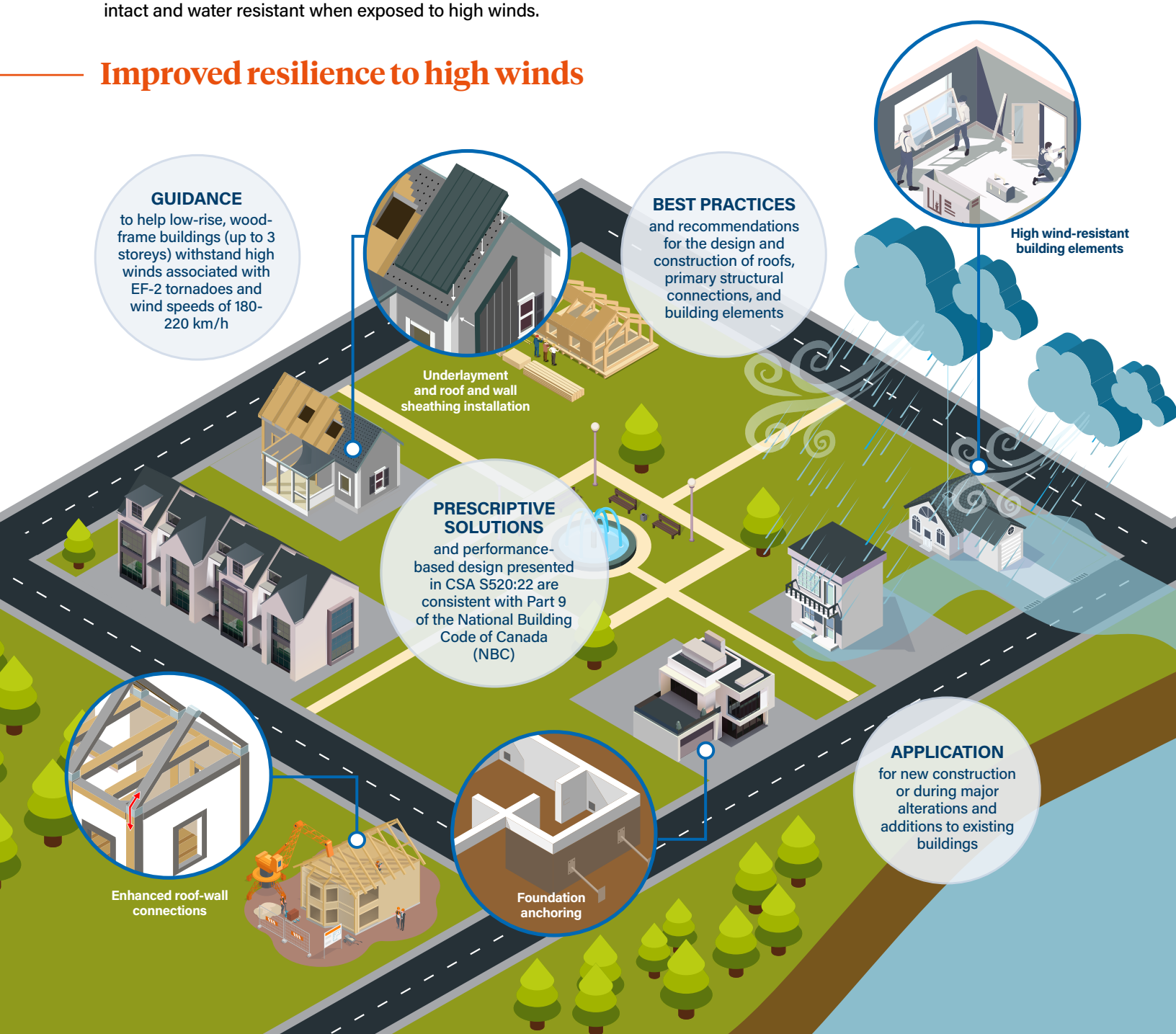
Helping improve the resilience of Canadian communities to high winds

CSA S520:22, Design and construction of low-rise residential and small buildings to resist high wind

A significant number of communities across Canada are situated in areas prone to high winds and tornadoes that can cause substantial damage to homes and property and put people's lives and health in danger. Protecting these communities is becoming even more important as the frequency of extreme weather events increases.

The National Standard of Canada, CSA S520:22, helps strengthen the resilience of residential buildings to high winds by providing guidance and best practices for their design, construction, and material selection to help ensure the roof remains intact and water resistant when exposed to high winds.

Improved resilience to high winds



Who should use the Standard?

- Building and construction professionals
- Manufacturers
- Homeowners
- Property and casualty insurers
- Municipalities and regional government agencies
- Federal, provincial, and territorial governments

Adopting the recommendations of CSA S520:22 can help:

Improve high wind resistance
of low-rise buildings to reduce the risk of structural and non-structural damage

Reduce repair costs
by providing structural sufficiency to protect building contents from substantial water leakage

Scale the approach
to address high wind resilience of existing buildings during their alteration and renovation

Take advantage of best practices
for high wind protection that municipalities and local government agencies can implement within their development plans

Extend the application
of the recommendations to other wood-frame buildings where applicable

Get CSA S520:22

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For more on CSA Group research and standards for strengthening climate resilience of communities and critical infrastructure in Canada, visit csagroup.org/ResilientInfrastrastructure

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