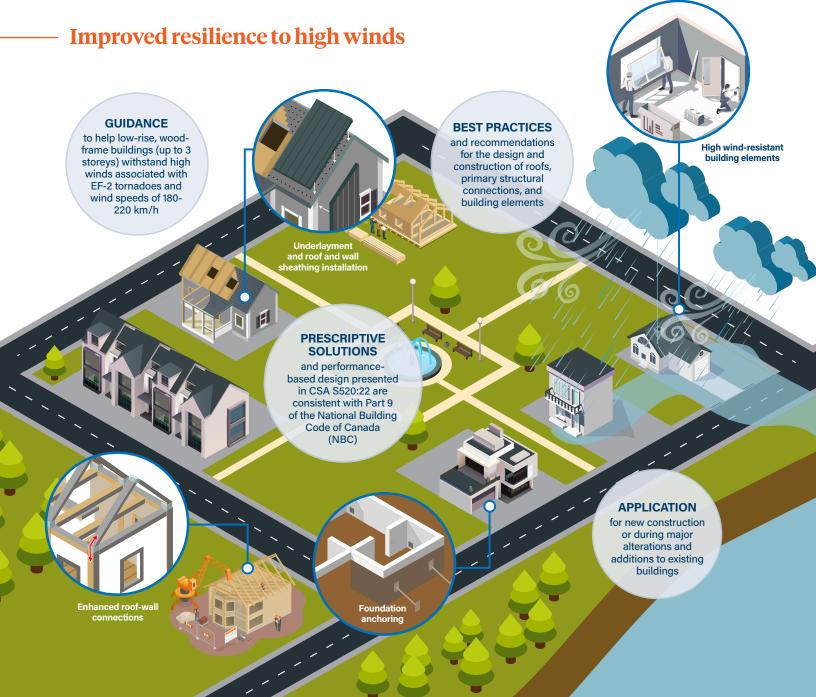


# Helping improve the resilience of Canadian communities to high winds

## 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.



### Adopting the recommendations of CSA S520:22 can help:



#### Improve high wind resistance

of low-rise buildings to reduce the risk of structural and nonstructural 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

#### construction professionals

Who should use

the Standard?

· Building and

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



#### Take advantage of best practices

for community-based flood resiliency that municipalities and local government agencies can implement within existing residential communities



#### **Extend the application**

for community-based flood resiliency that municipalities and local government agencies can implement within existing residential communities

#### Get CSA S520:22



csagroup.org/store

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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