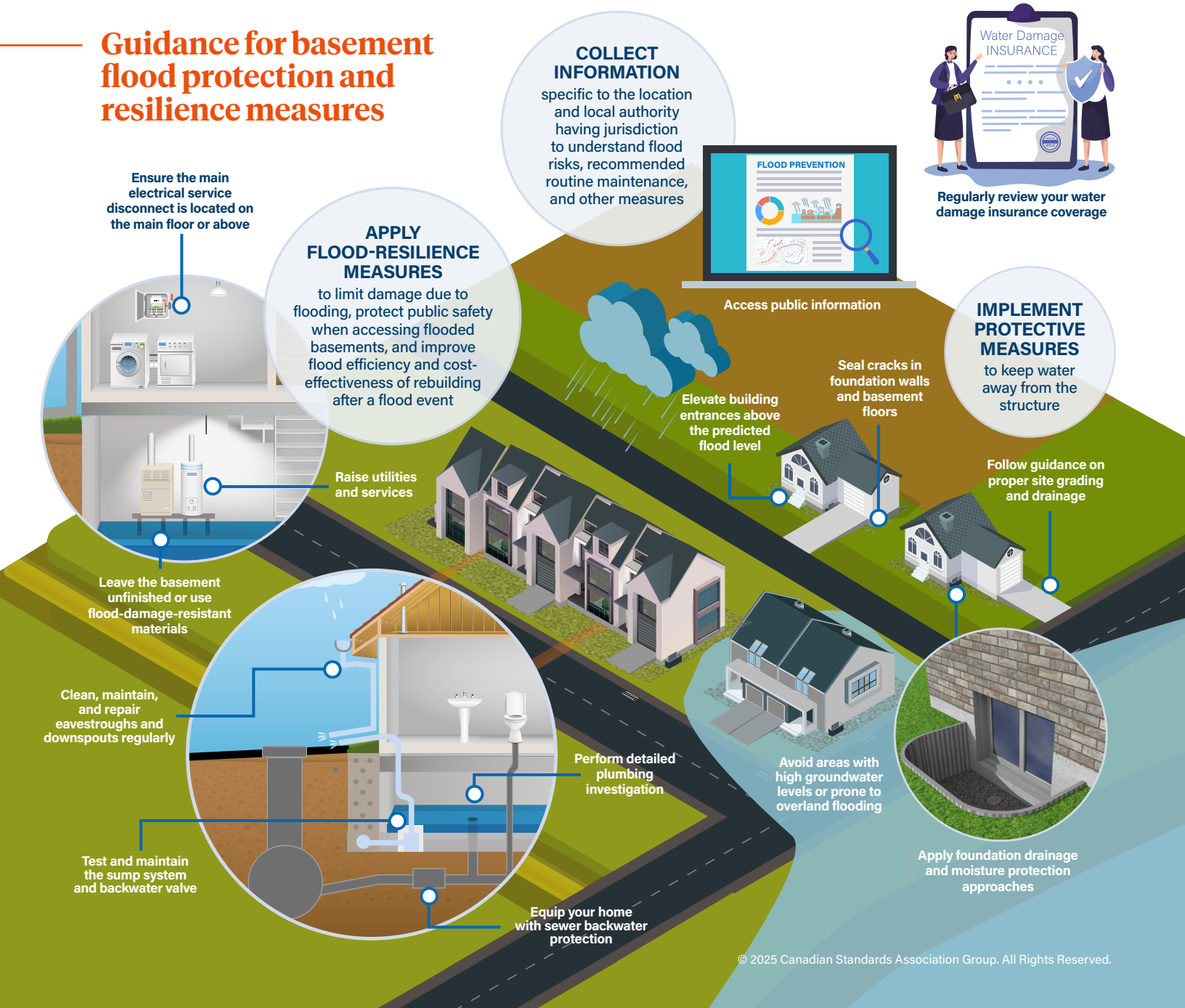
Helping protect homes from basement flooding

CSA Z800-18 (R2023), Guideline on basement flood protection and risk reduction

Intense rainfall or rapid snow melting, combined with aging water infrastructure, loss of natural infrastructure, and inadequate flood protection at the individual house level can lead to basement flooding. As extreme weather events become more frequent, the importance of protecting homes from flooding is growing. There are many steps homeowners can take to avoid costly home repairs and impacts on their safety, as well as physical and mental health.

The guideline CSA Z800, published as a National Standard of Canada, outlines measures owners and dwellers of detached, semi-detached, and row houses can take to keep floodwaters away from structures and property and limit the damage in case of a flood event.

Guidance for basement flood protection and resilience measures



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Adopting the recommendations of the guideline CSA Z800-18 (R2023) can help homeowners:

Who should use the standard?

- Home and property owners
- Federal, provincial, territorial, and municipal governments
- Developers and builders
- Property and casualty insurers
- Banks, credit unions, mortgage lenders, and credit rating agencies
- Lawyers and legal professionals
- Tradespeople
- Real estate brokers and agents
- Home inspectors
- Securities commissions
- Institutional investors
- Educational institutions



Prevent basement floods
of detached, semi-detached, and row houses



Reduce impacts to health
of flooding, including bacterial and viral infections, asthma episodes, and respiratory illnesses



Reduce impacts to mental health
of flooding, including anxiety, sleep disorders, and psychological distress



Improve resilience
of homes to limit damages caused by flooding



Reduce the costs
of cleaning, repairs, and replacements related to a flood event



Protect the entire subdivision
by reducing the contribution of excess stormwater and groundwater to water systems

Get CSA Z800-18 (R2023)

csagroup.org/Z800

Learn more about CSA Group research and standards for increased resilience of buildings and infrastructure:
csagroup.org/ResilientInfrastructure
construction@csagroup.org

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