

CLIMATE-READY HOUSING DESIGN GUIDE

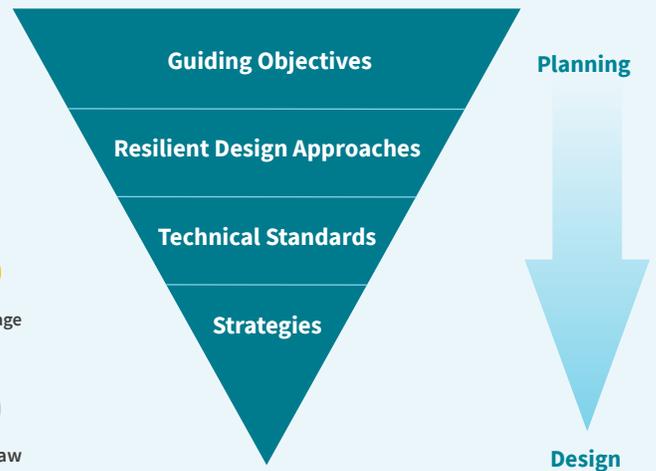
Snapshot

Climate change is one of the greatest challenges of our time and is already having significant impacts on homes and communities across British Columbia – from extreme heatwaves, more frequent flooding, and more severe wind storms.

This Climate-ready Housing Design Guide is intended to serve as a reference tool for housing providers, developers and other building sector actors across B.C. on emergent best practices and recommended technical standards for more climate-ready housing design. The Guide provides an editable toolkit of resources that design teams can use to inform more climate resilient design of new or existing housing.

Inside the Guide

This first version of the Guide is focused on resilient design for new Part 3 (multi-family) housing, though content can be applied to other contexts. It includes measures to address a broad range of climate hazards but with more detail provided on approaches for addressing overheating and poor air quality.



The Guide has been designed as a dynamic tool that can be used by diverse audiences, from policy makers and municipalities, housing providers and owners, to developers and designers.

Actor	Role in Resilience	Using the Guide	Example
Municipality	<ul style="list-style-type: none"> Sets and upholds land use & building policy Building inspectors 	<ul style="list-style-type: none"> Guidelines, approaches & standards informing building policies & guidelines 	Require a combination of passive and mechanical cooling in building design
Owner	<ul style="list-style-type: none"> Responsible for procurement and ongoing operation of the building 	<ul style="list-style-type: none"> Refer to approaches to inform RFP/procurement Establish plans for ongoing maintenance & safety 	Establish a stormwater management plan for the site
Developer	<ul style="list-style-type: none"> Leads design and construction of housing projects 	<ul style="list-style-type: none"> Refer to approaches, standards and strategies to meet design objectives 	Plan for an amenity room with higher resiliency elements
Designer	<ul style="list-style-type: none"> Leads technical design work for their specific discipline or expertise 	<ul style="list-style-type: none"> Refer to approaches, standards and strategies to meet design objectives 	Design operable windows throughout the building to enable passive cooling in summer