



cleanBC

CLIMATE  
LEADERSHIP  
SYMPOSIUM

Public Sector and Local  
Government Action



A large, two-story house with a gabled roof and a front porch, surrounded by trees. The house has a light-colored shingled exterior and a dark roof. The front porch has white columns and a railing. The house is set against a backdrop of lush green trees under a cloudy sky.

# Zero Emissions New Homes: Vancouver's Experience



Image: Clay Construction



# B.C.'s Zero Carbon Step Code

**“By 2030, all new buildings will be zero carbon, and all new space and water heating equipment will meet the highest standards for efficiency.”**

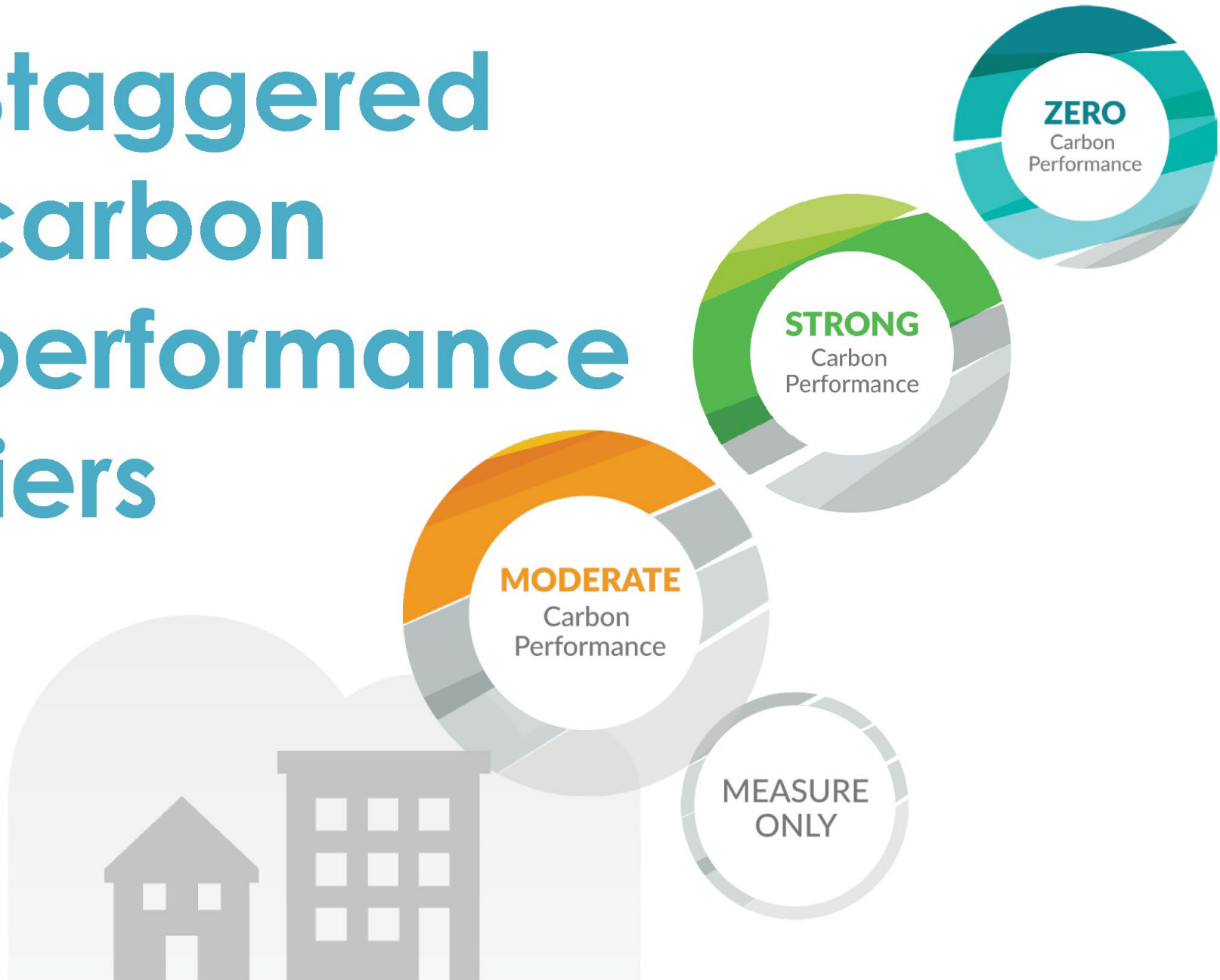
*– CleanBC Roadmap to 2030*



## Roadmap to 2030



# Staggered carbon performance tiers



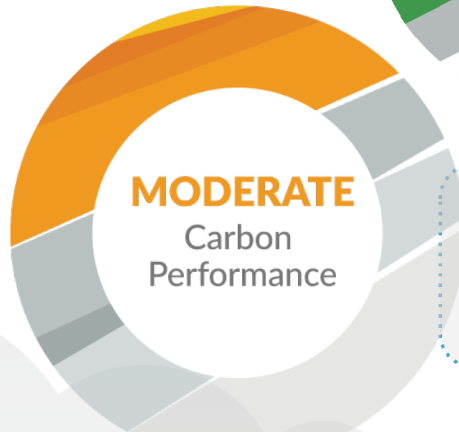
# Expected Outcomes – Part 9 Homes, Prescriptive Approach



**No fossil fuels allowed.**  
Space and water heating and cooking must be zero carbon.



**Fossil fuel cooking allowed.**  
Space and water heating systems must be zero carbon.



**Fossil fuel water heating and cooking allowed.** Space heating must be zero carbon.



# Vancouver's Zero Emissions Building Plan

- Approved in 2016
- Established carbon limits for new construction similar to the Zero Carbon Step Code
- Requirements equivalent to the 'Strong Carbon Performance' in place for new buildings up to 6 storeys



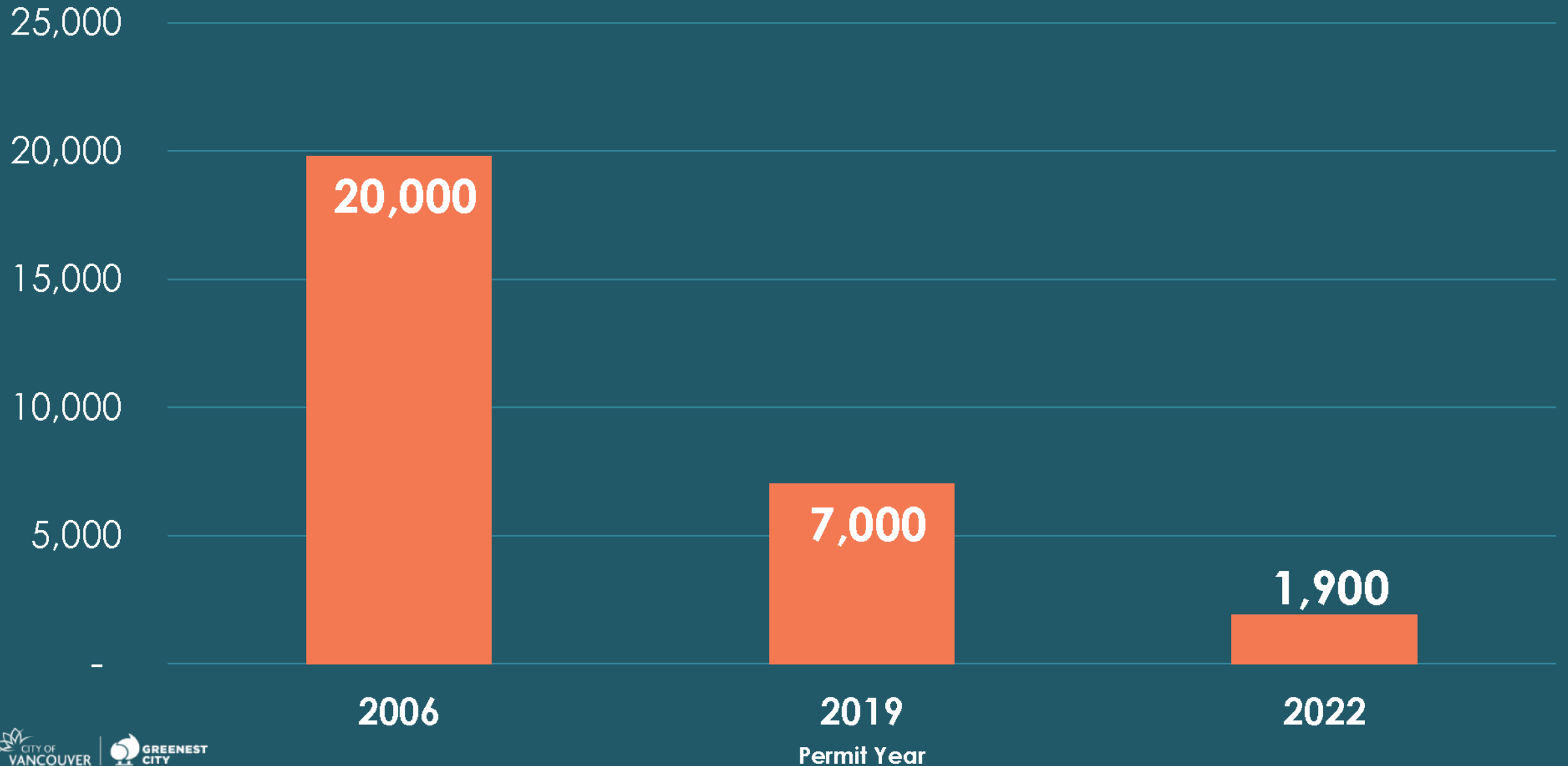


## Density Incentive

- 1&2 Family + Multiplex
- 19% Increase of base density
- Available for “Passive House” or “CHBA Net Zero + All electric”

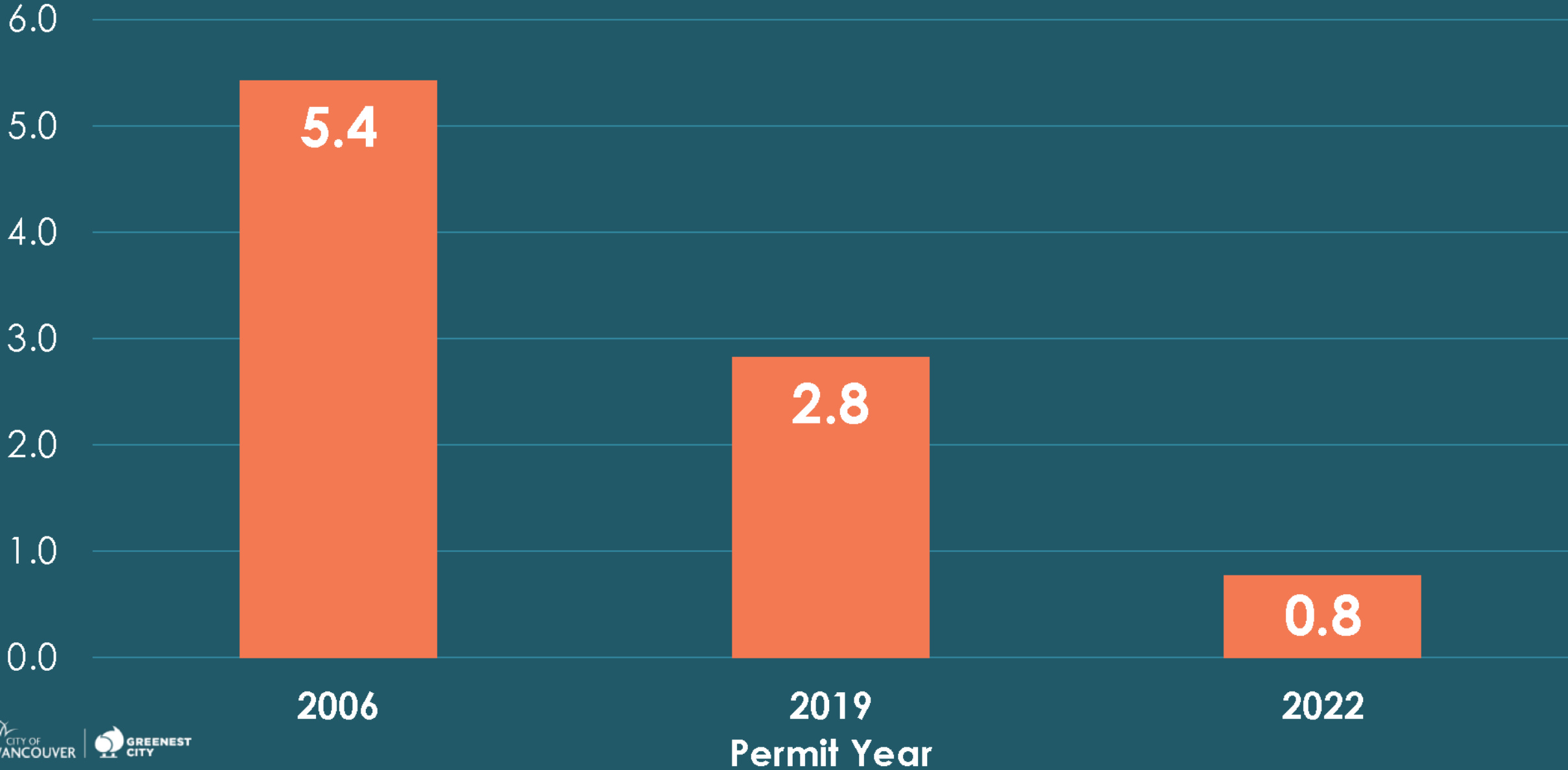
Image: Bcollective Homes

# Single Family Home Space Heating Needs (kWh annual, rounded)





# Single Family Home Carbon Pollution (Tonnes Annually)



# Implementation Experience

- Developers have been able to meet the standards
- Permit reviews have been straightforward
- Household energy bills similar to what they would have been with gas



# Next Steps:

- Increasing alignment with BC
- Adopting top step of the ZCSC
- Improving coordination with BC Hydro





**Thank You**

**Matt Horne – City of Vancouver**