

# METCAN BUILDING SOLUTIONS

“BUILT IN THE NORTH FOR THE NORTH”



# Introduction



# Agenda

- Efficiency in Design
- METCAN Built
- Energy Modeling Case Study
- Future Outlook
- Summary
- Questions



# Efficiency in Design

## Integrated Design Process

- All members of Design team working toward energy efficient design features
- Value engineering projects to optimize systems with industry knowledge

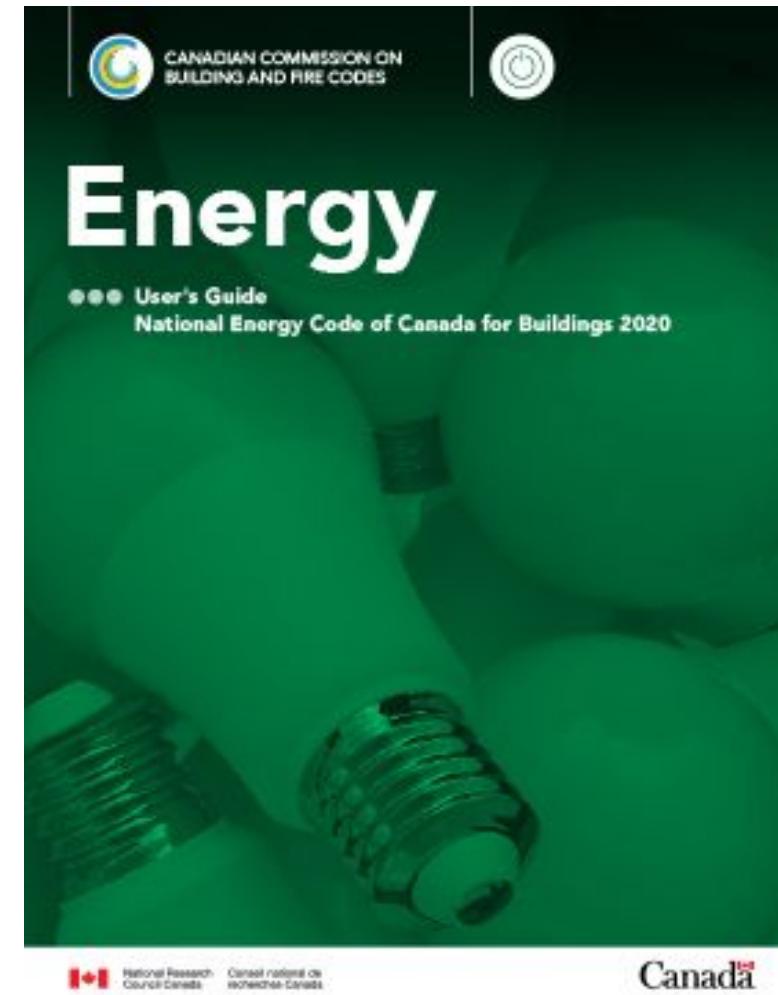
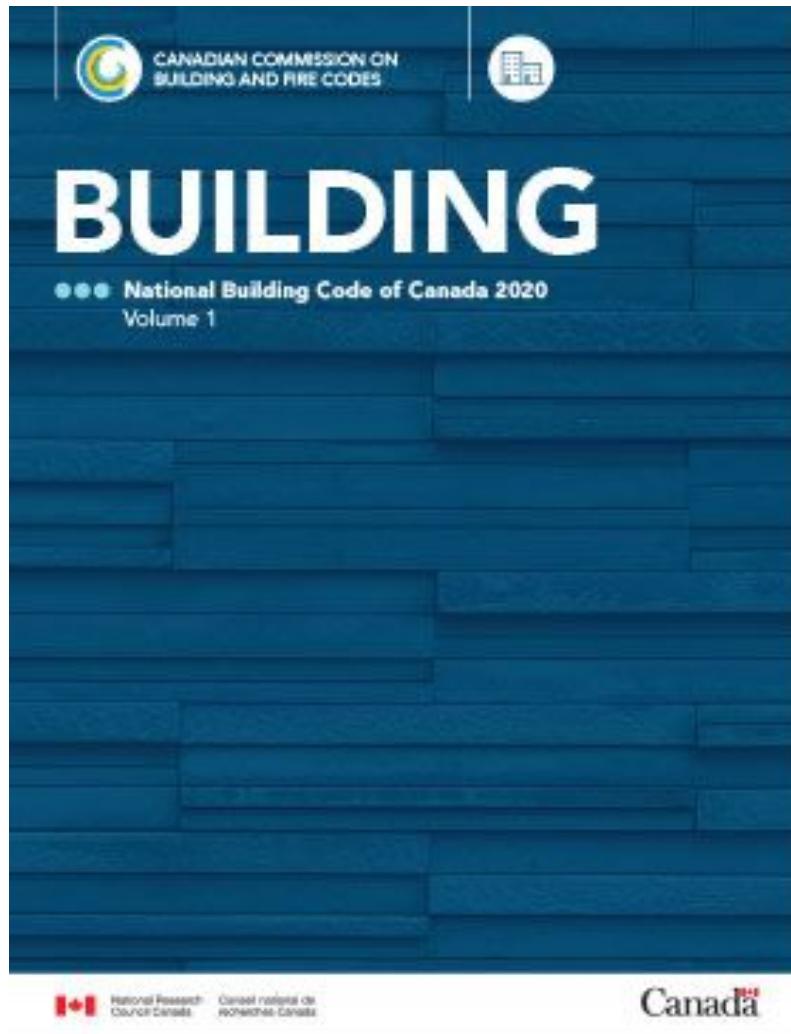
## System Components

- Vapor Barrier and Insulation Packages an general envelope makeup
- High-efficiency Heating and Cooling.
- Low Flow Fixtures & LED Lighting

## Building Health

- Automated Systems
- Commissioning and Quality Control
- Education and Training
- Proper Maintenance Milestones

# National Building Code and National Energy Code Guidelines



# Design Areas of Impact



## ENVELOPE:

- Higher R- Values
- Tighter Vapour Barriers
- Exterior Applications of the Insulations
- Resulting in a higher performing building off the lot



## HOME SYSTEMS:

- Multiple Heating Options
- Modern Air Exchange with HRV Units
- Automation of Consumption Based System- Lighting, Heat Trace and Air
- Traditional and Modern Finishes



# KFN Energy Modeling Case Study



ARC

# Operational Longevity

Community Engagement

Career Opportunities

Recipe for Replication

Long Standing Relationships

# Summary

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# Thank you