

Analysis of  
**Atlantic Canada's  
Building Stock  
Through a Retrofit  
Potential Lens**



ABOUT OUR  
**PROJECT**

**Deep Retrofit Accelerator Initiative Project**

**Research**

- Analyze building and energy data
- Identify retrofit needs and opportunities
- Support data-driven decisions

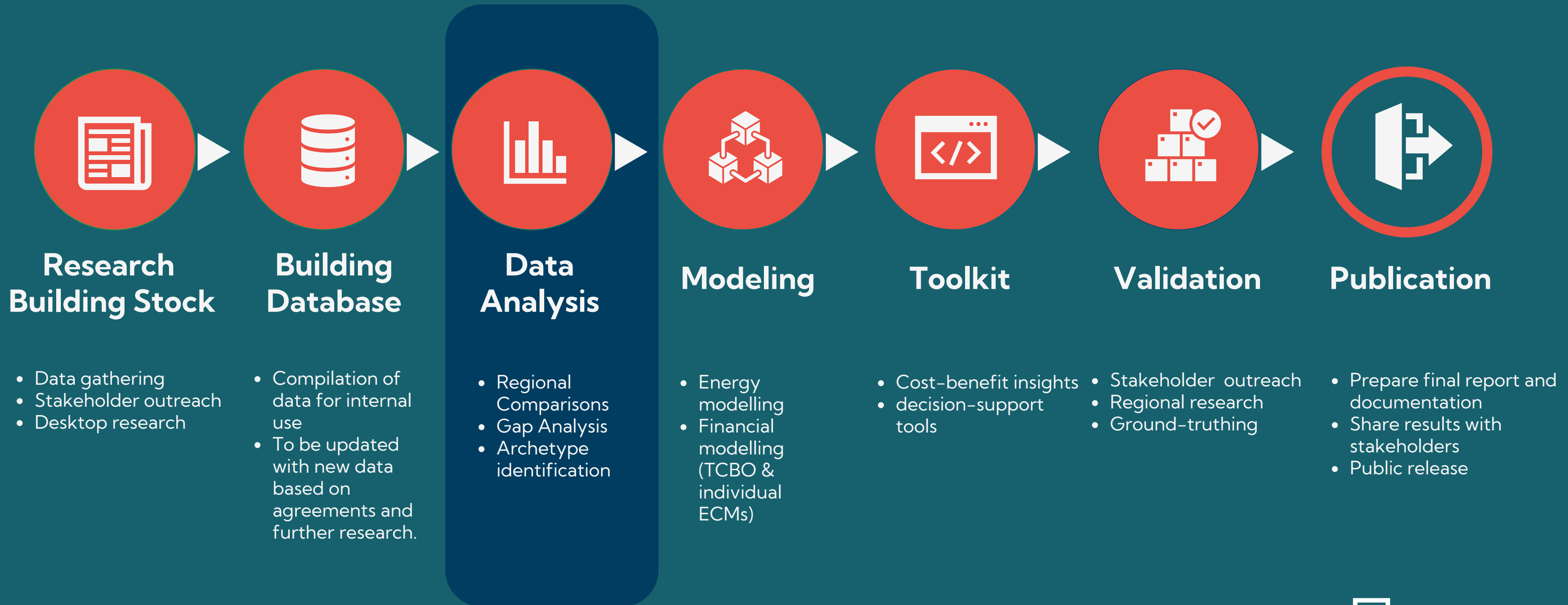
**Building Transformation Program**

- Pilot deep retrofit projects
- Test technical and financial models
- Demonstrate scalable solutions

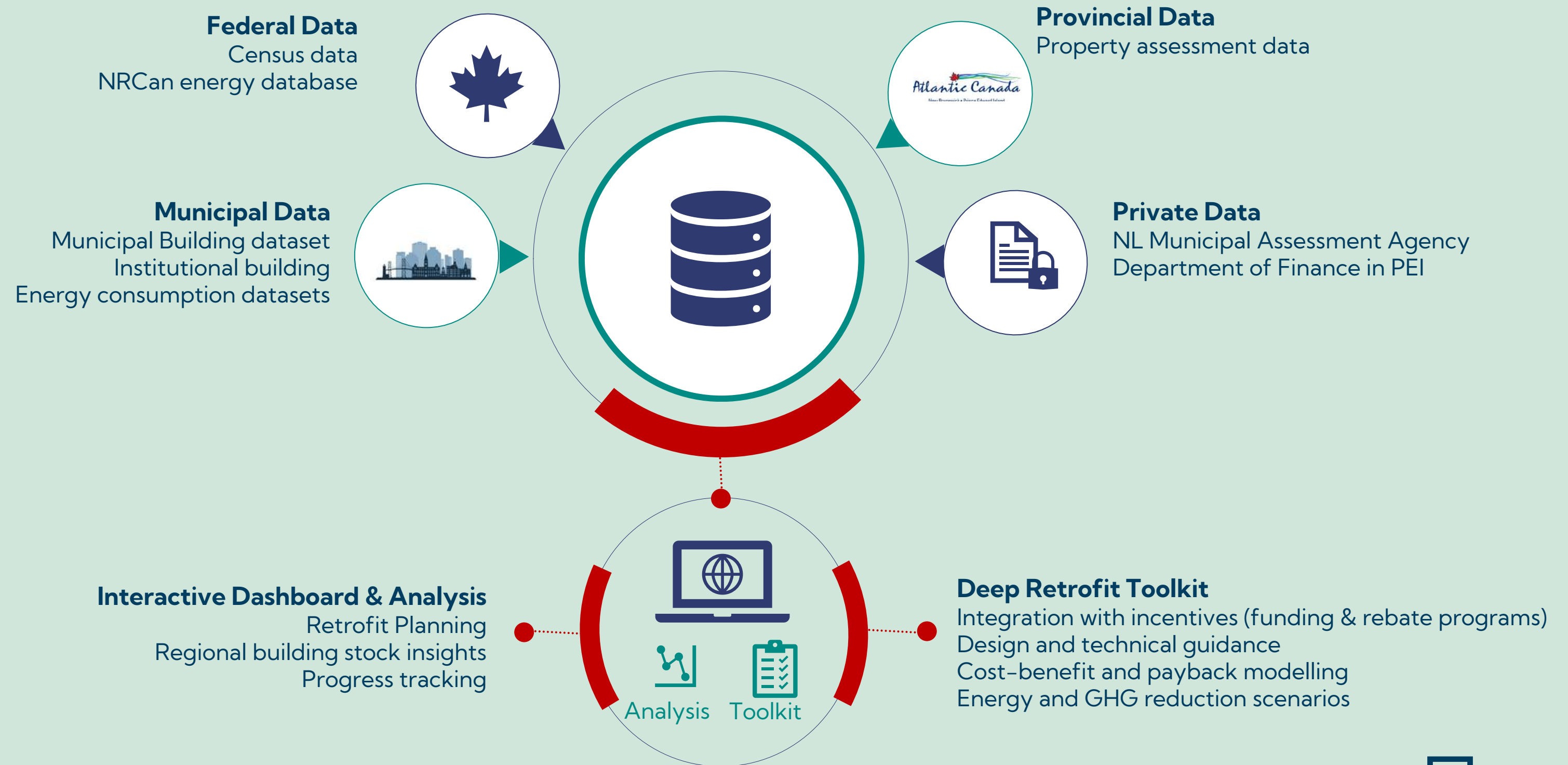
**Capacity Building**

- Train and equip the retrofit workforce
- Share tools and best practices
- Strengthen industry capacity

# ABOUT OUR PROJECT

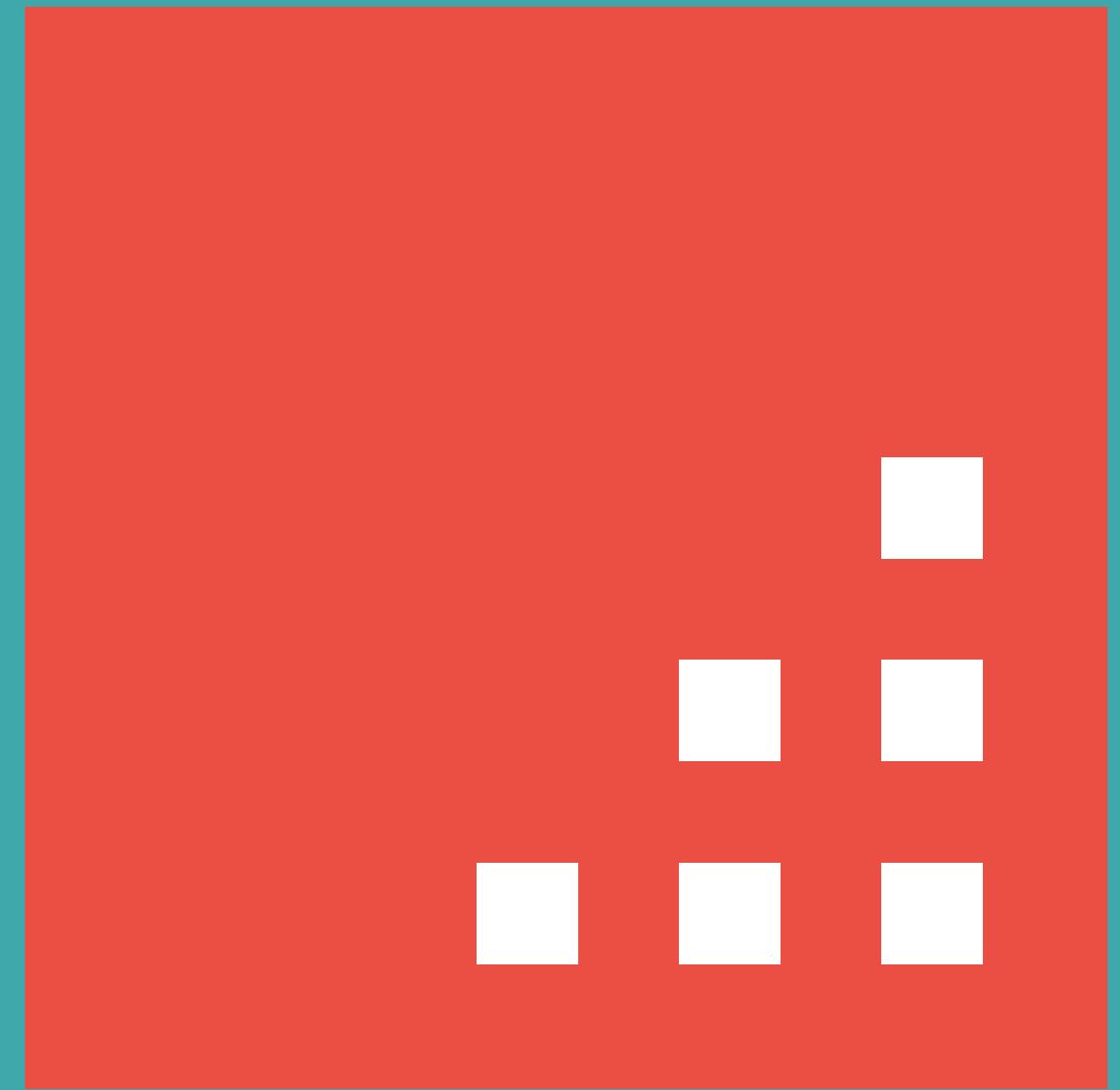


# Building Stock Analysis Methodology



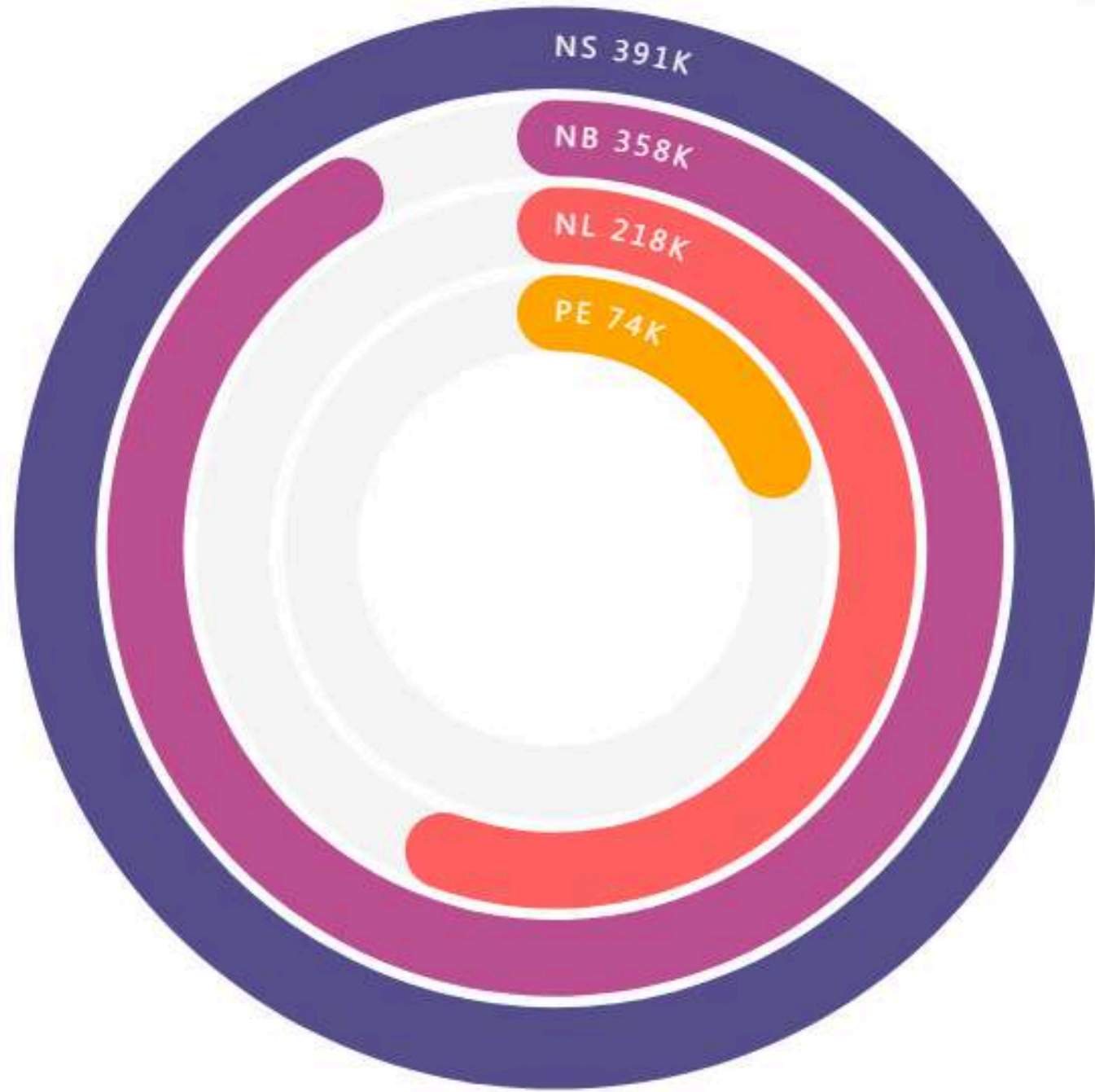
ATLANTIC CANADA  
**BUILDING STOCK  
ANALYSIS**

Residential & Energy Use by Province, Energy Use by Fuel Type,  
GHG Emissions by Energy Source



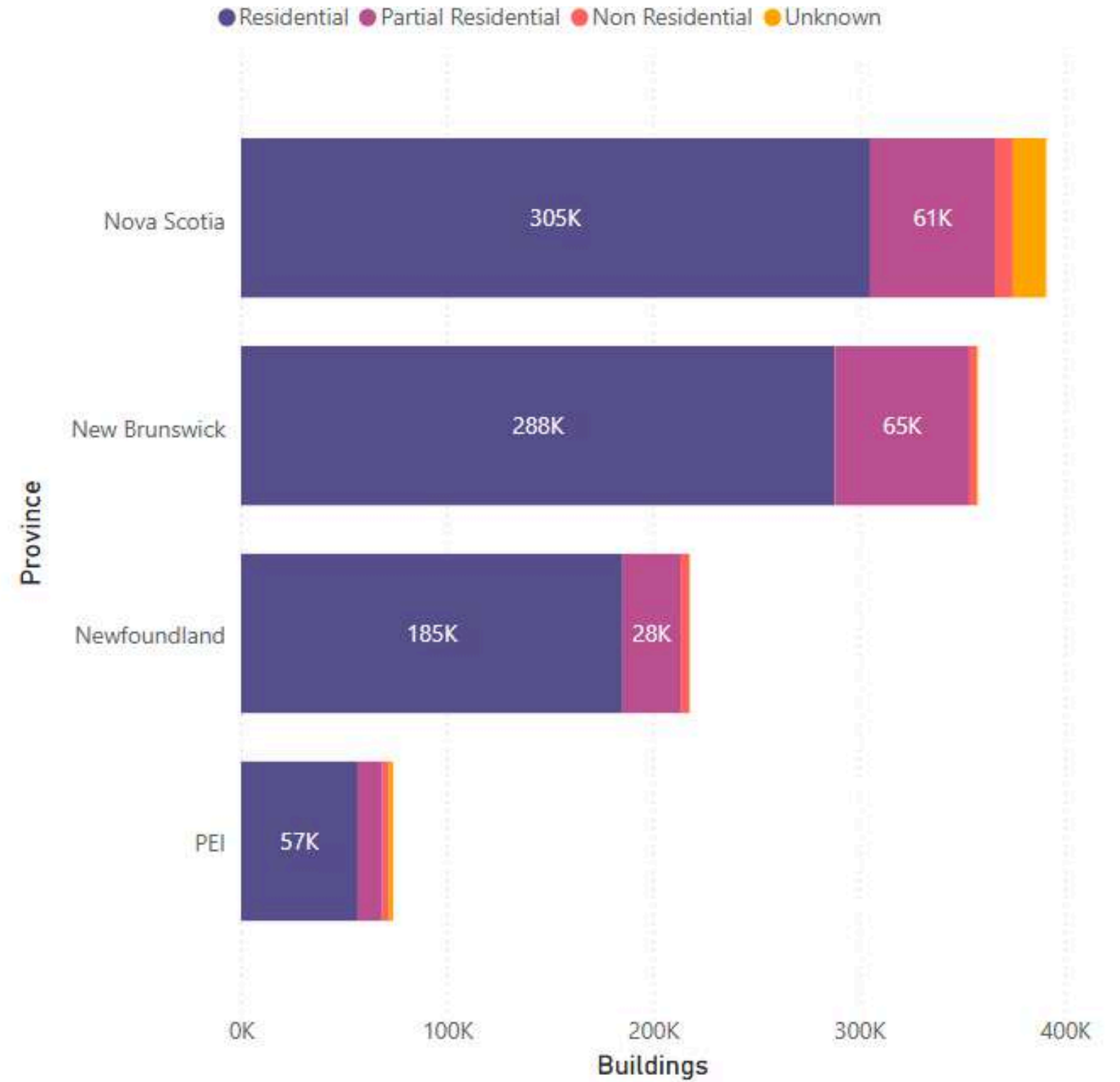
# Building Stocks

## Across Atlantic Provinces

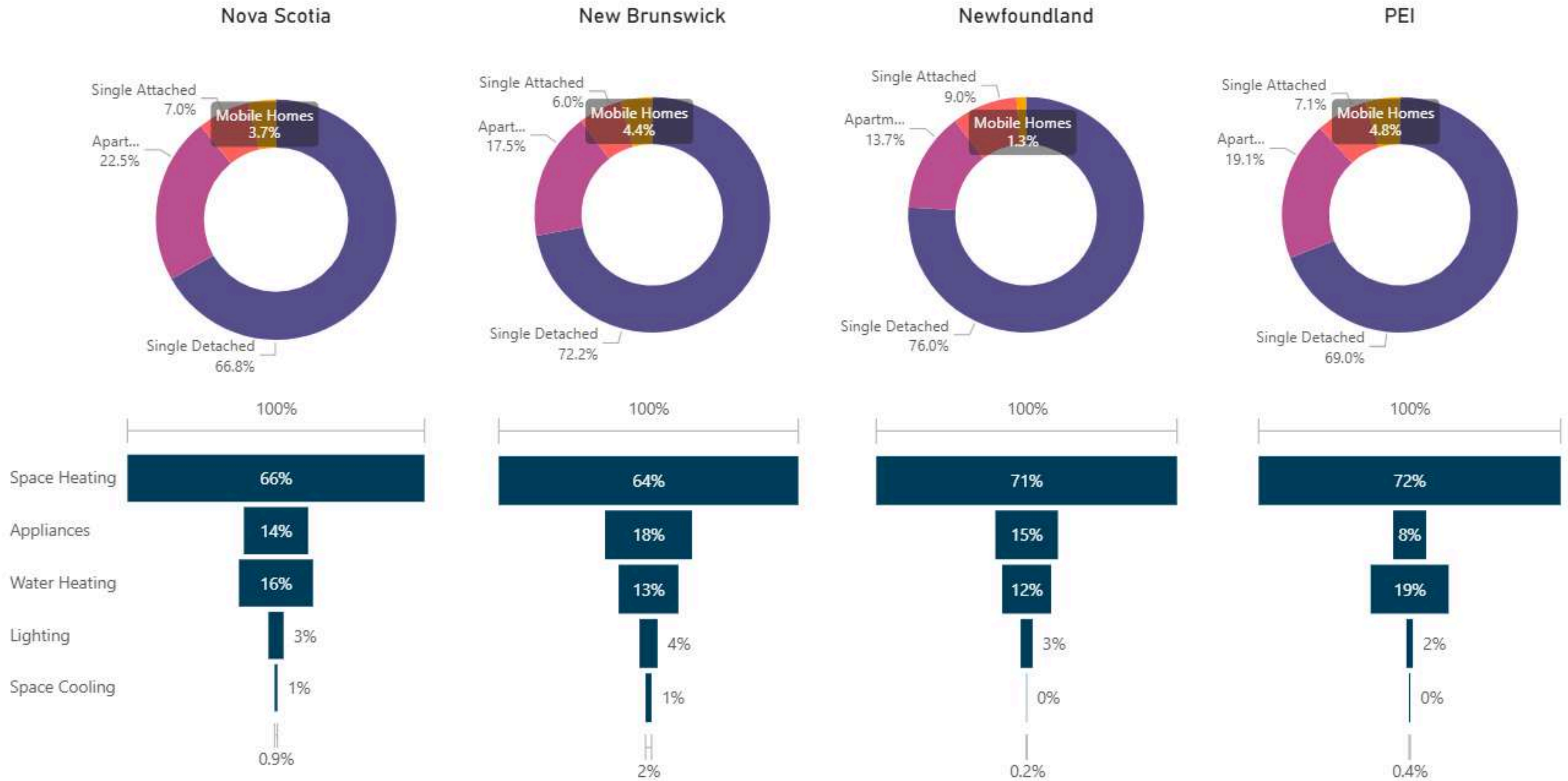


# Building Stocks by Province & Type

(Source: Statistics Canada, National Address Register)



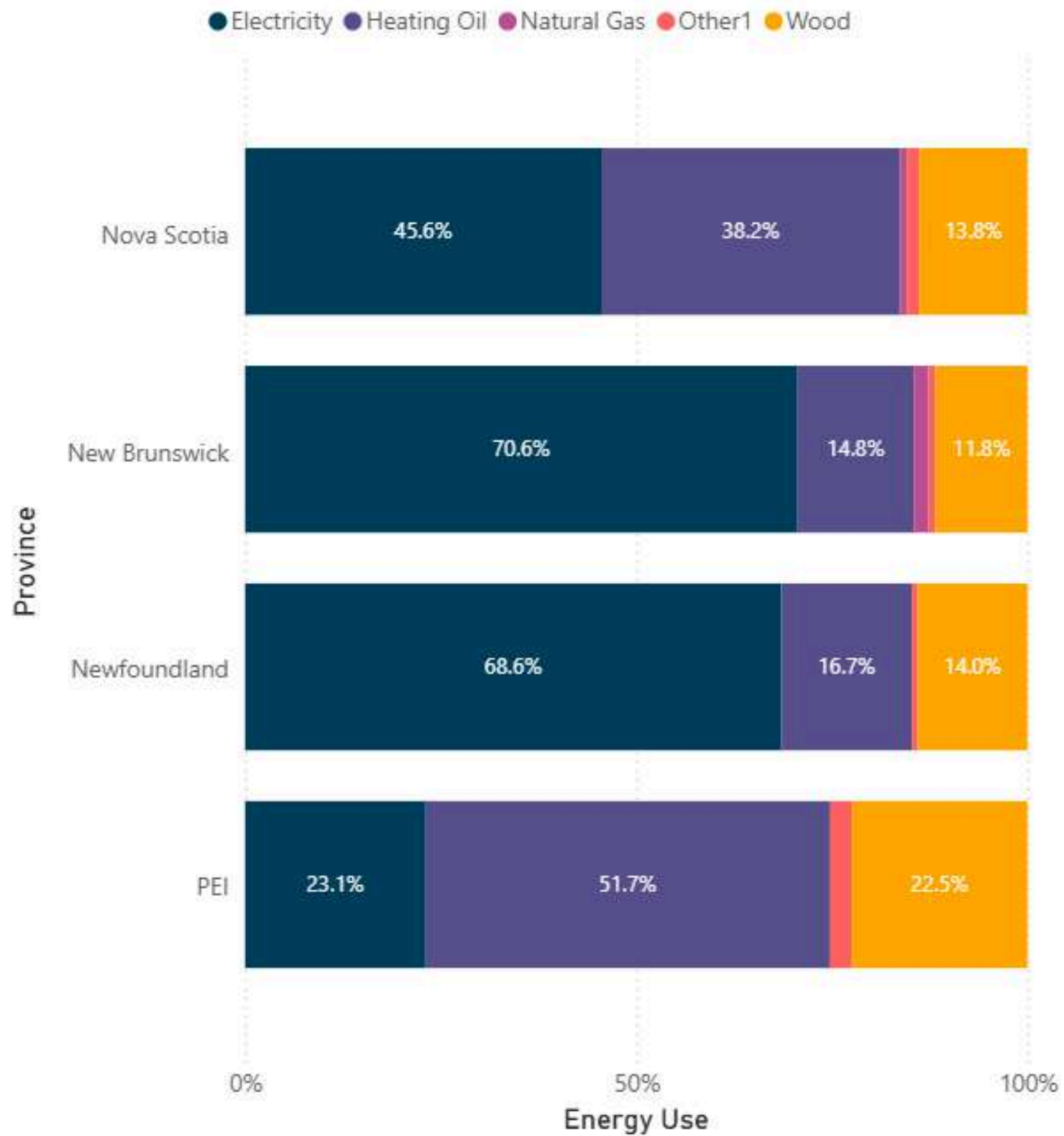
# Household Types & Energy Use by Province



(Source: NRCan, The National Energy Use Database)

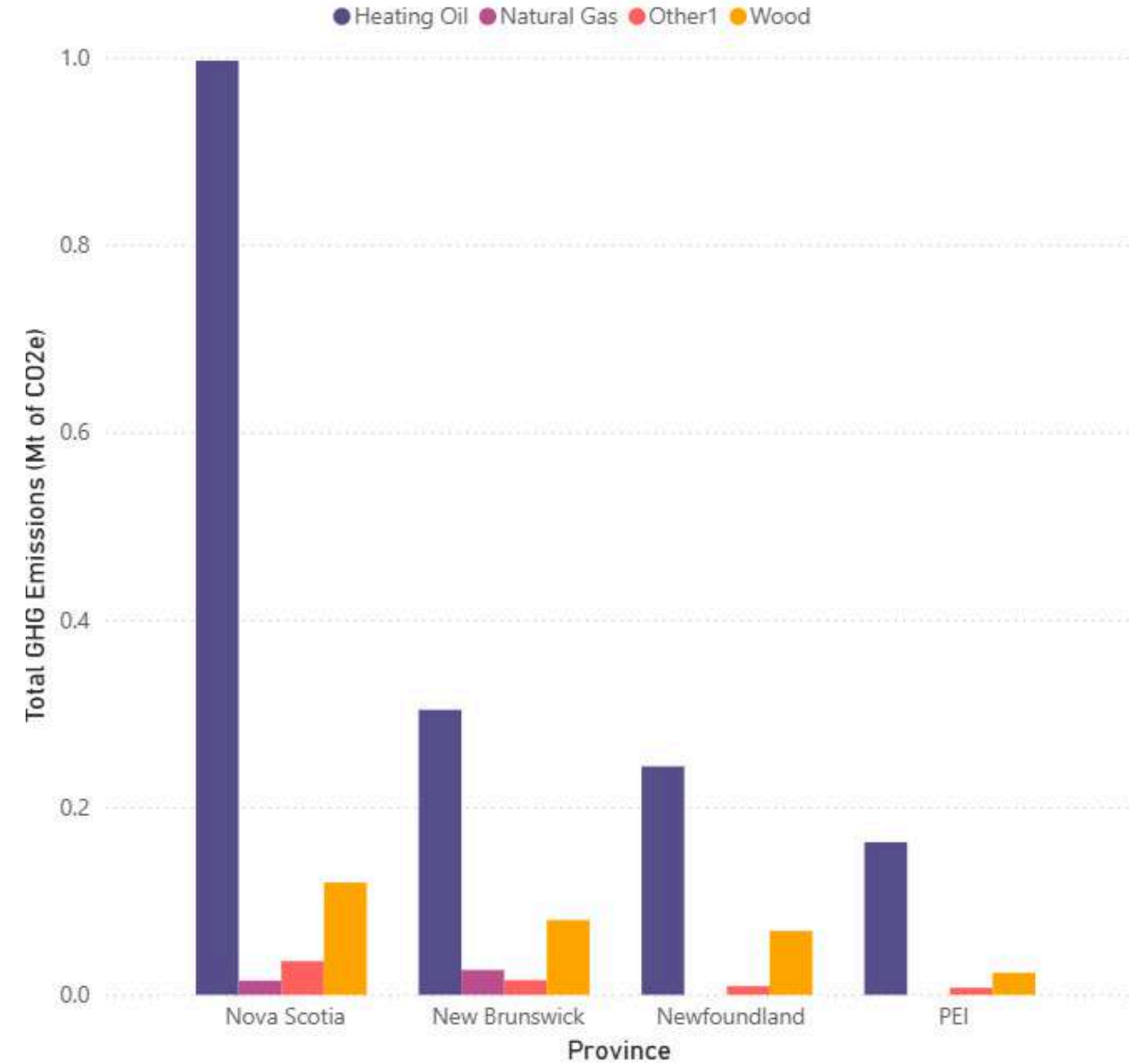
# Energy Use by Fuel Type

## in Residential Buildings



# GHG Emissions by Energy Source

## in Residential Buildings (Excluding Electricity)

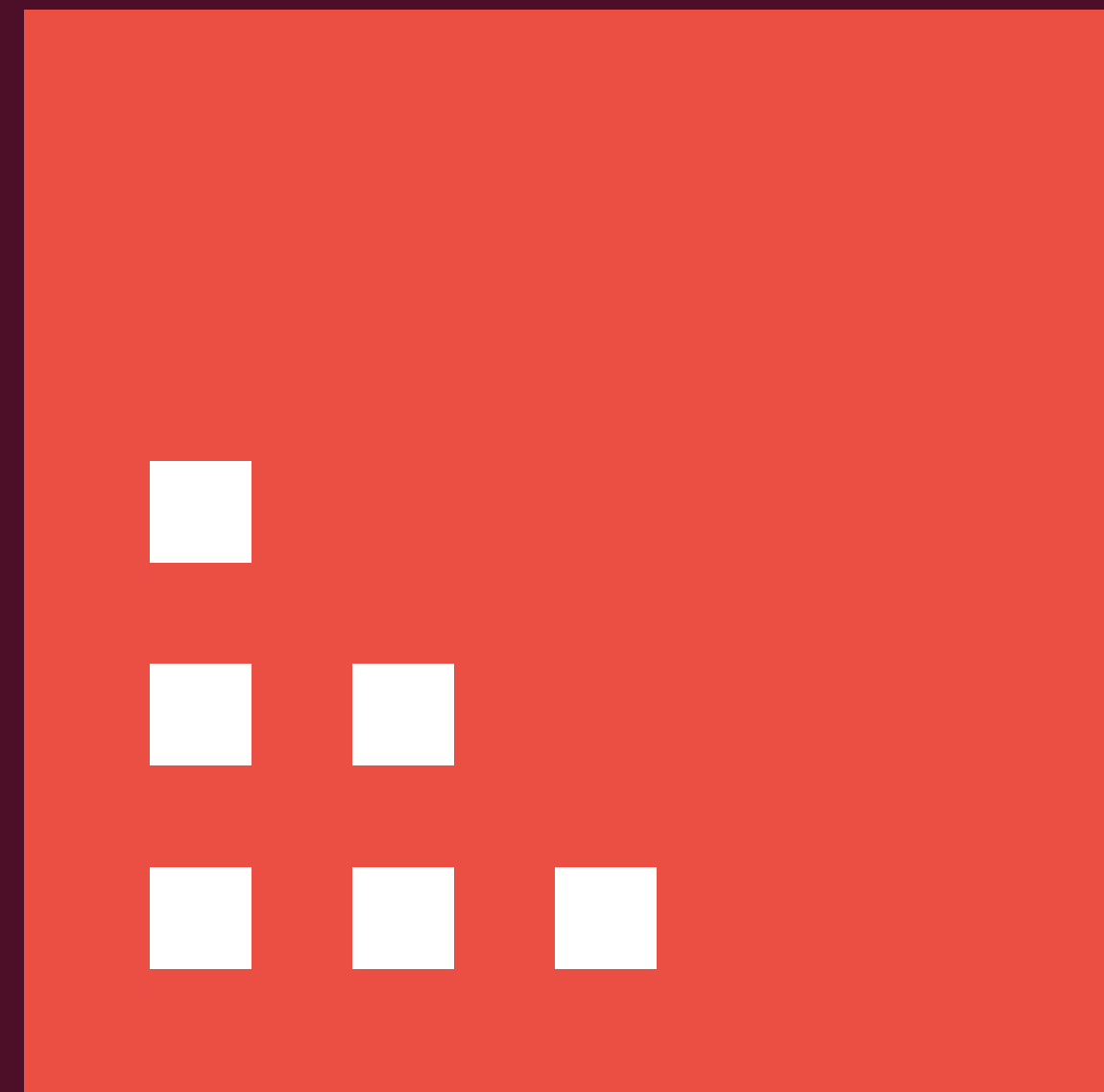


(Source: NRCan, The National Energy Use Database)

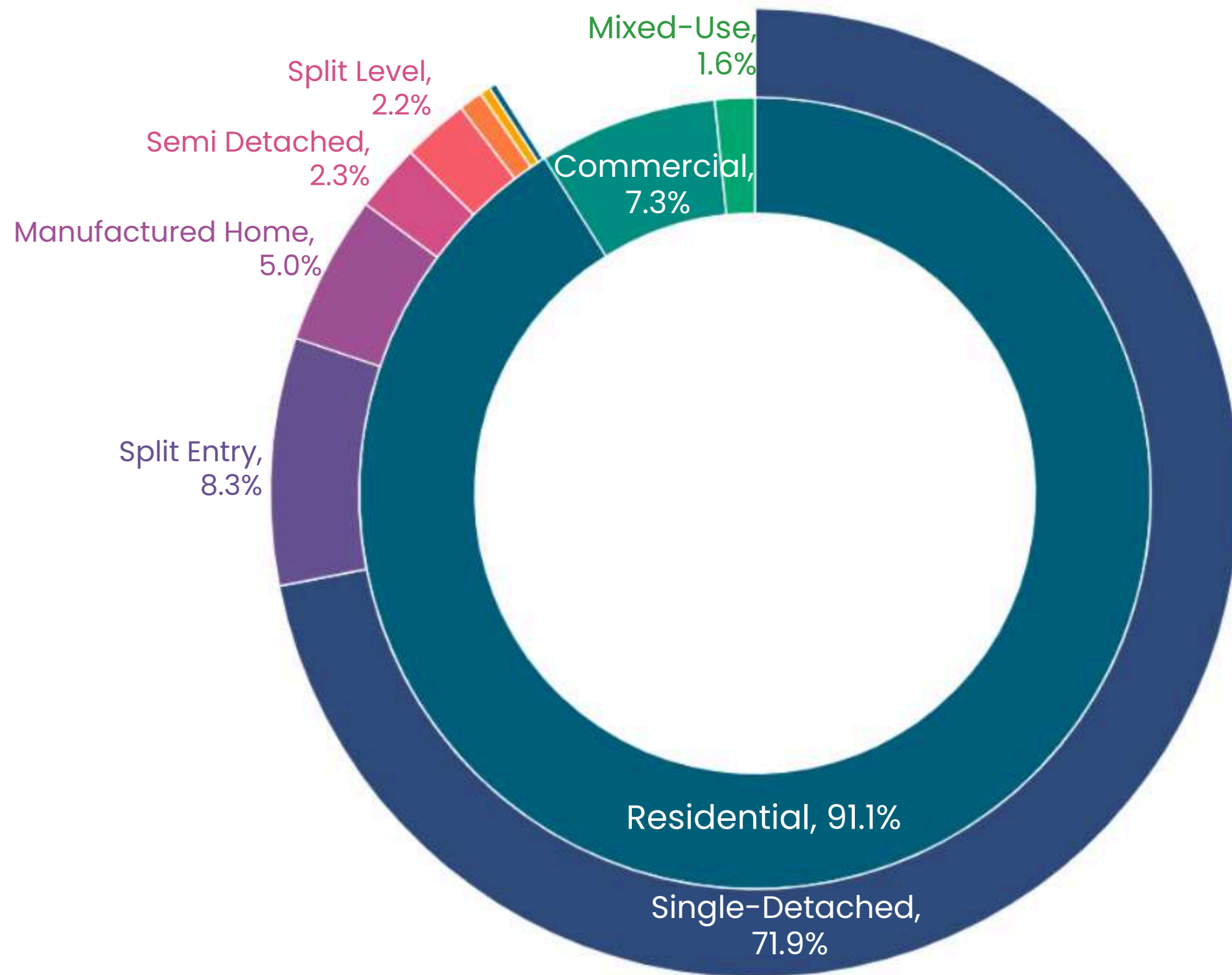
BUILDING STOCK ANALYSIS

# NOVA SCOTIA

Distribution by County

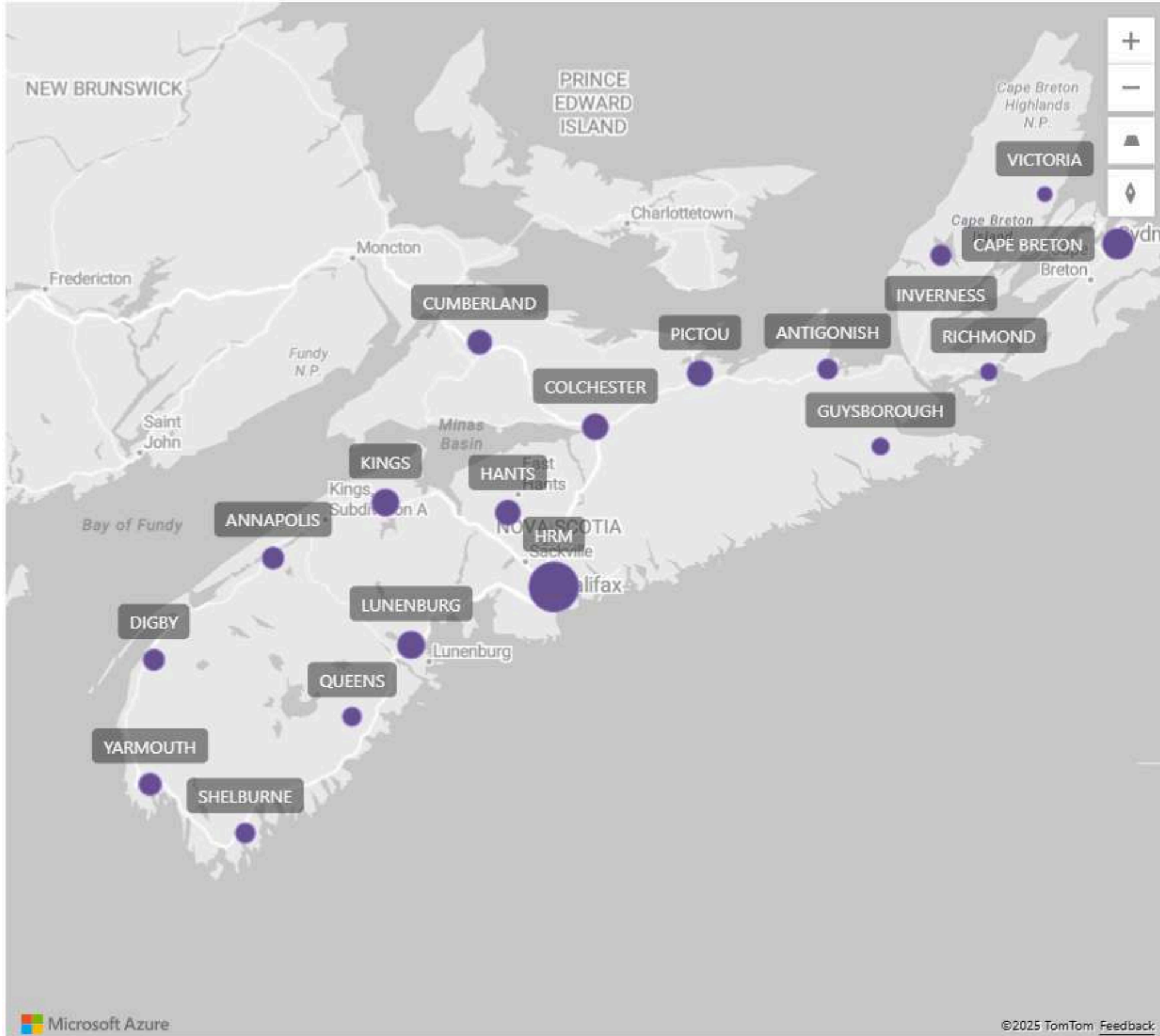


# Distribution of Building Categories and Styles in Nova Scotia

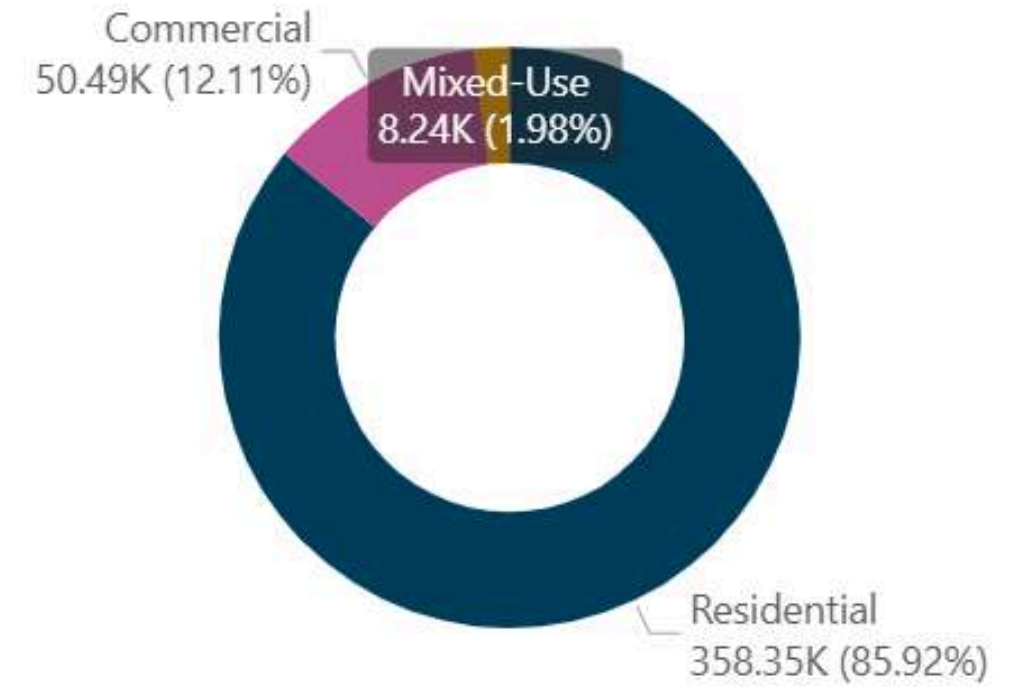


Building Style	Residential	Mixed-Use	Commercial	Total
Single Detached	274,191	4,967		279,158
Split Entry	31,474	212		31,686
Commercial		584	27,809	28,393
Manufactured Home	18,982			18,982
Semi Detached	8,578	88		8,666
Split Level	8,413	61		8,474
Duplex	3,042	185		3,227
Townhouse	1,330	31		1,361
Triplex	187	16		203
Quadruplex	13	67		80
Additon	21	2		23
<b>Total</b>	<b>346,231</b>	<b>6,213</b>	<b>27,809</b>	<b>380,253</b>

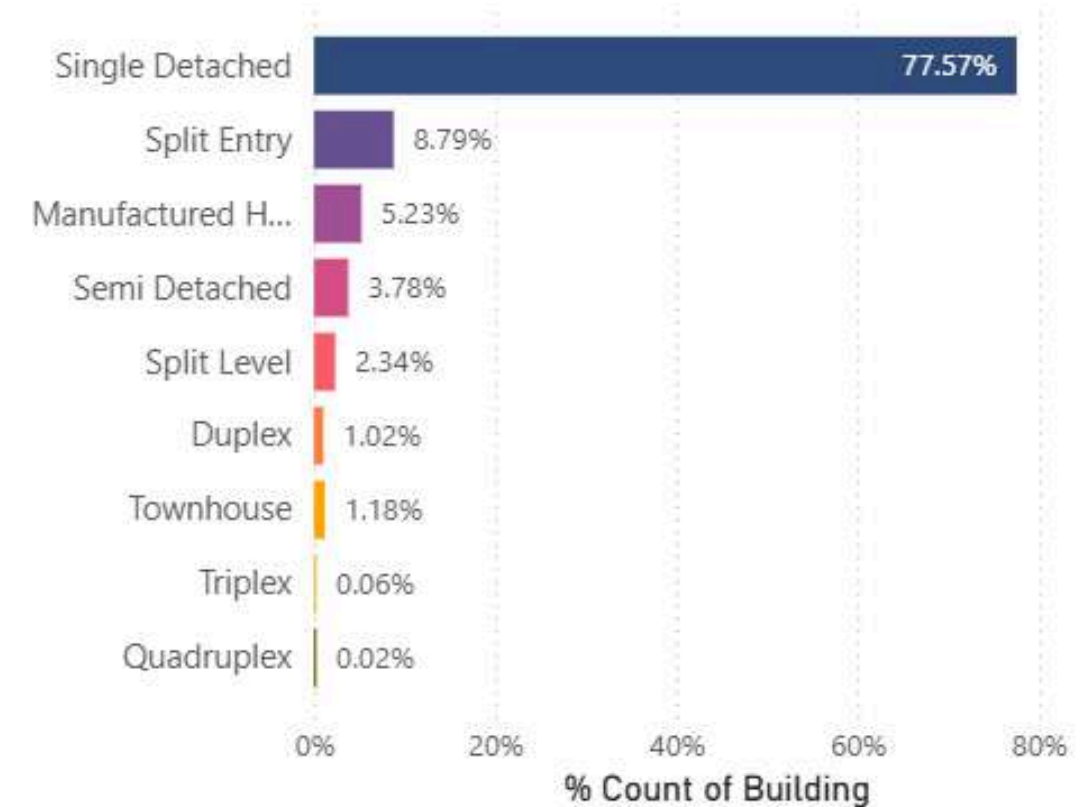
# Building Stock Distribution by County in Nova Scotia



Distribution of Building Category



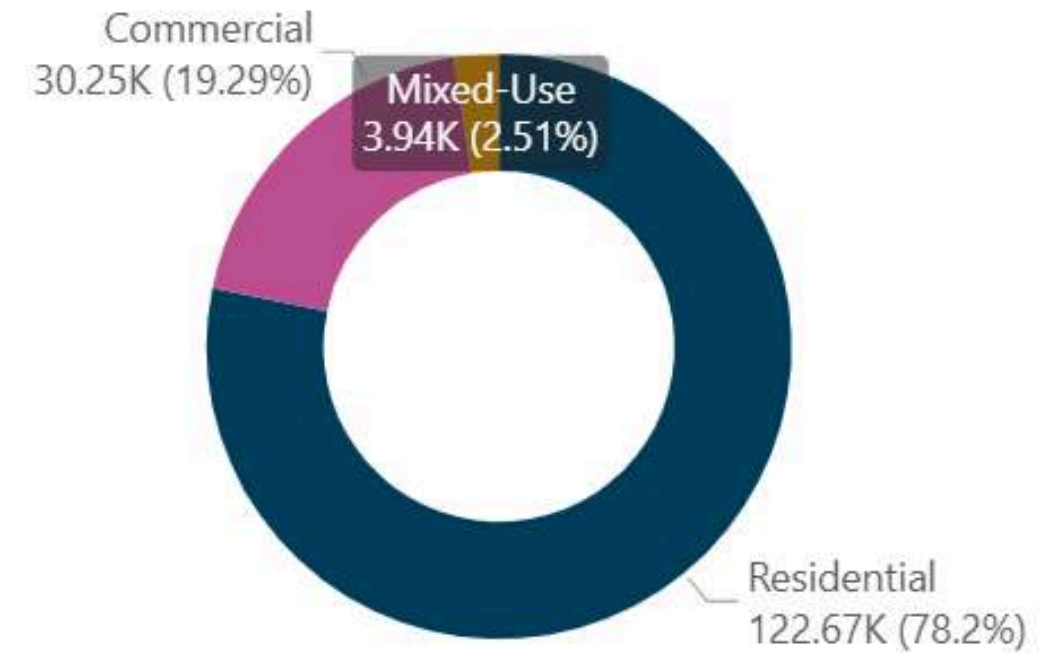
Distribution of Residential Building Style



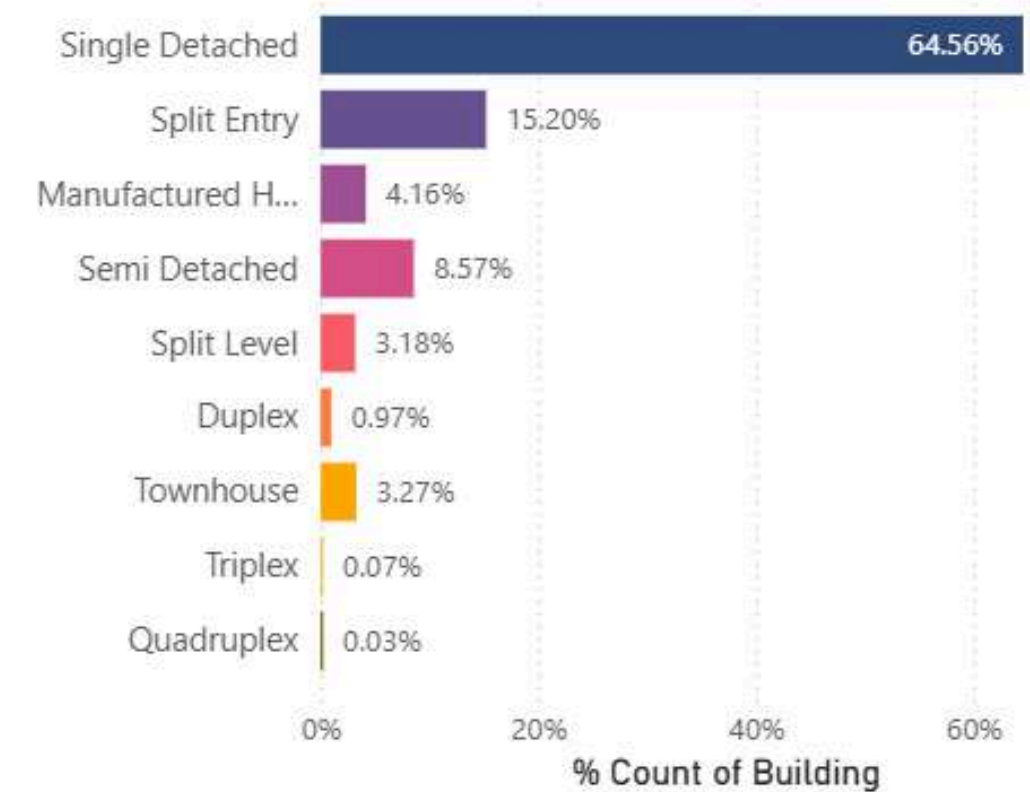
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Distribution of Building Category



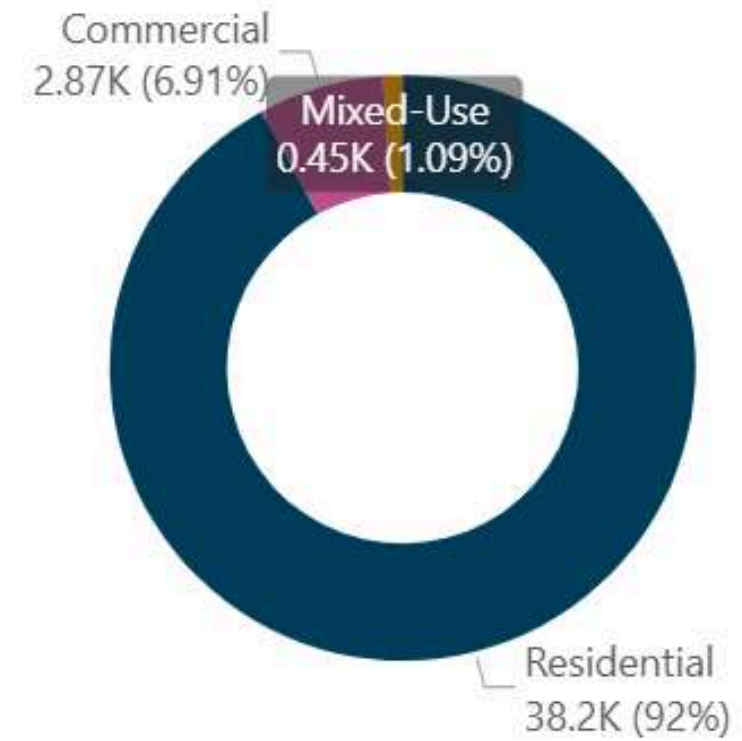
Distribution of Residential Building Style



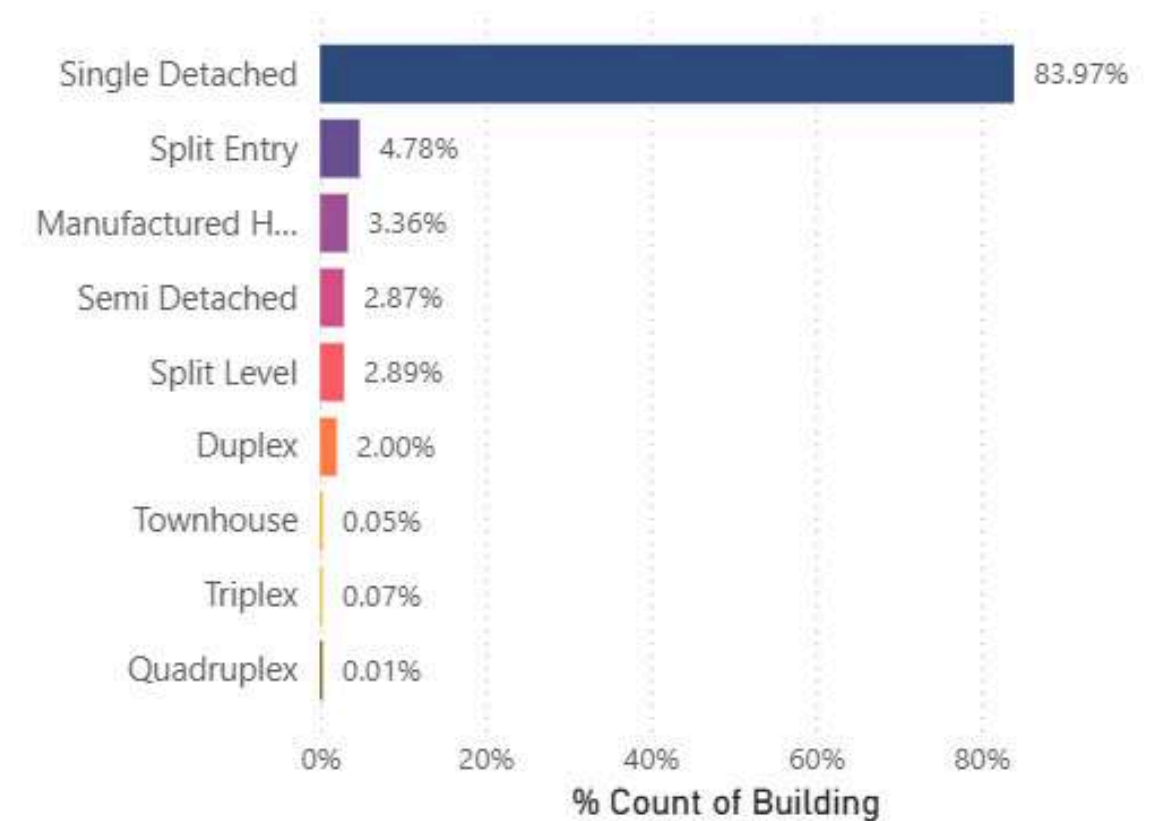
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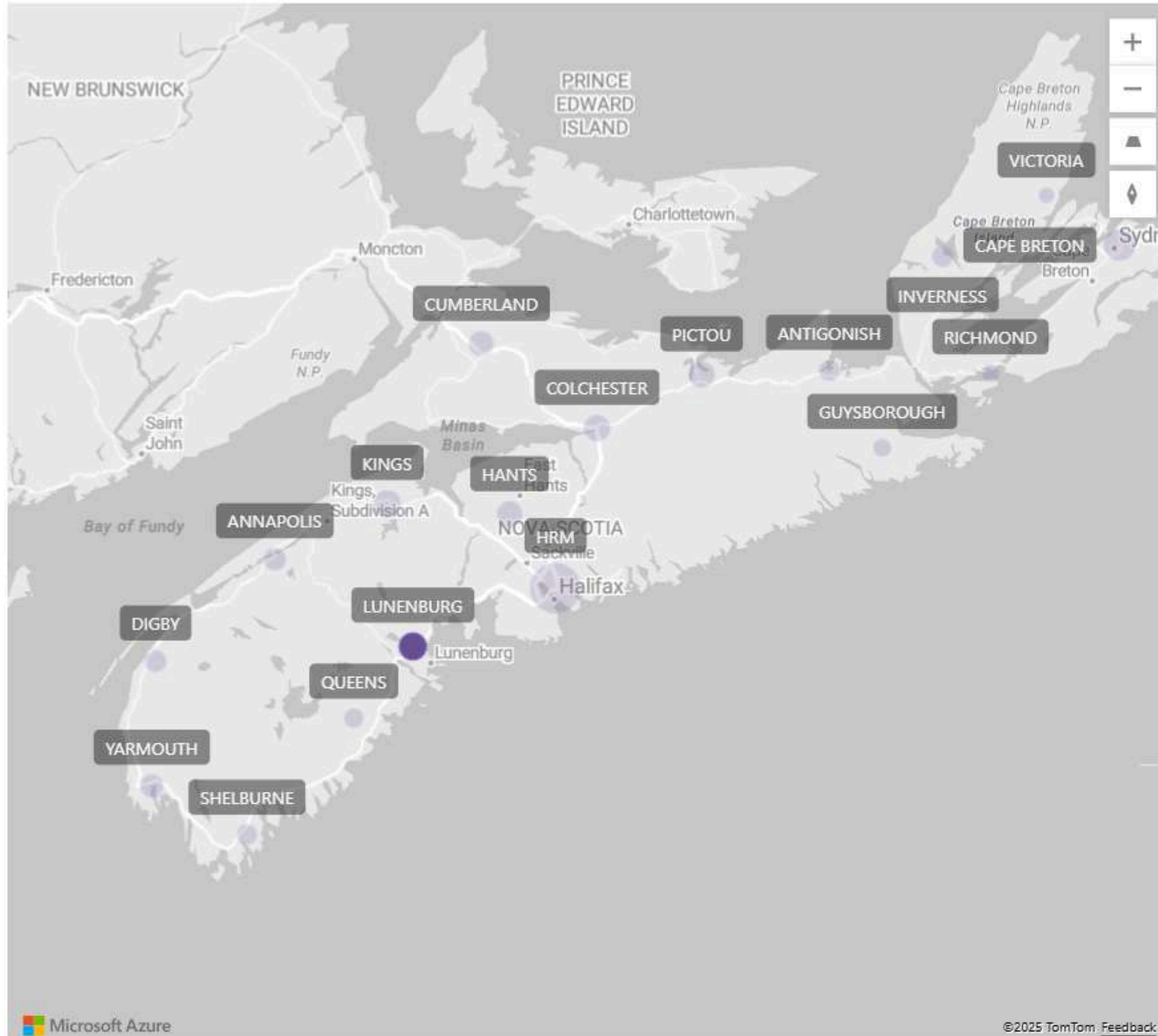
Distribution of Building Category



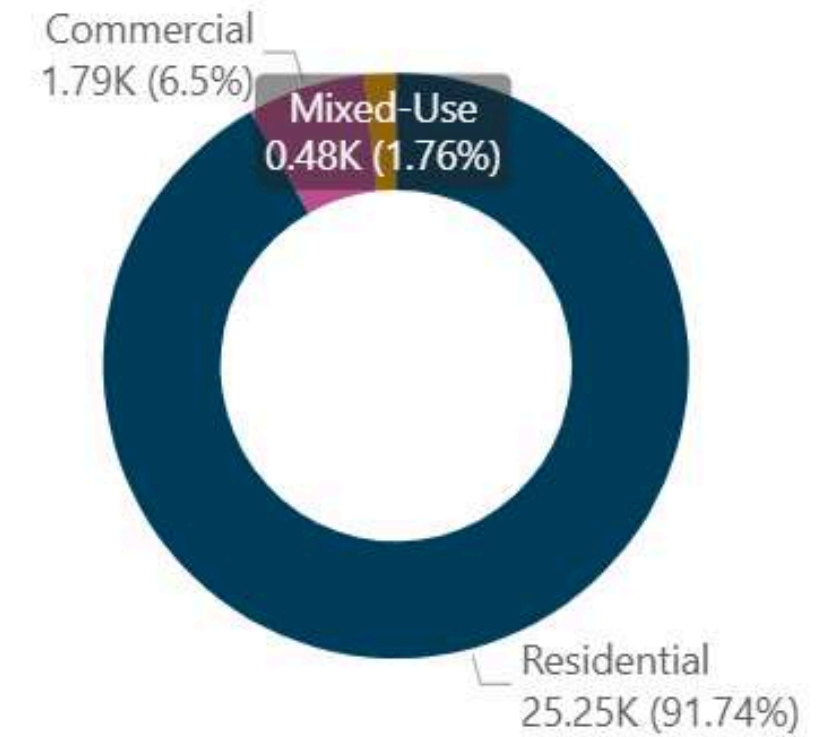
Distribution of Residential Building Style



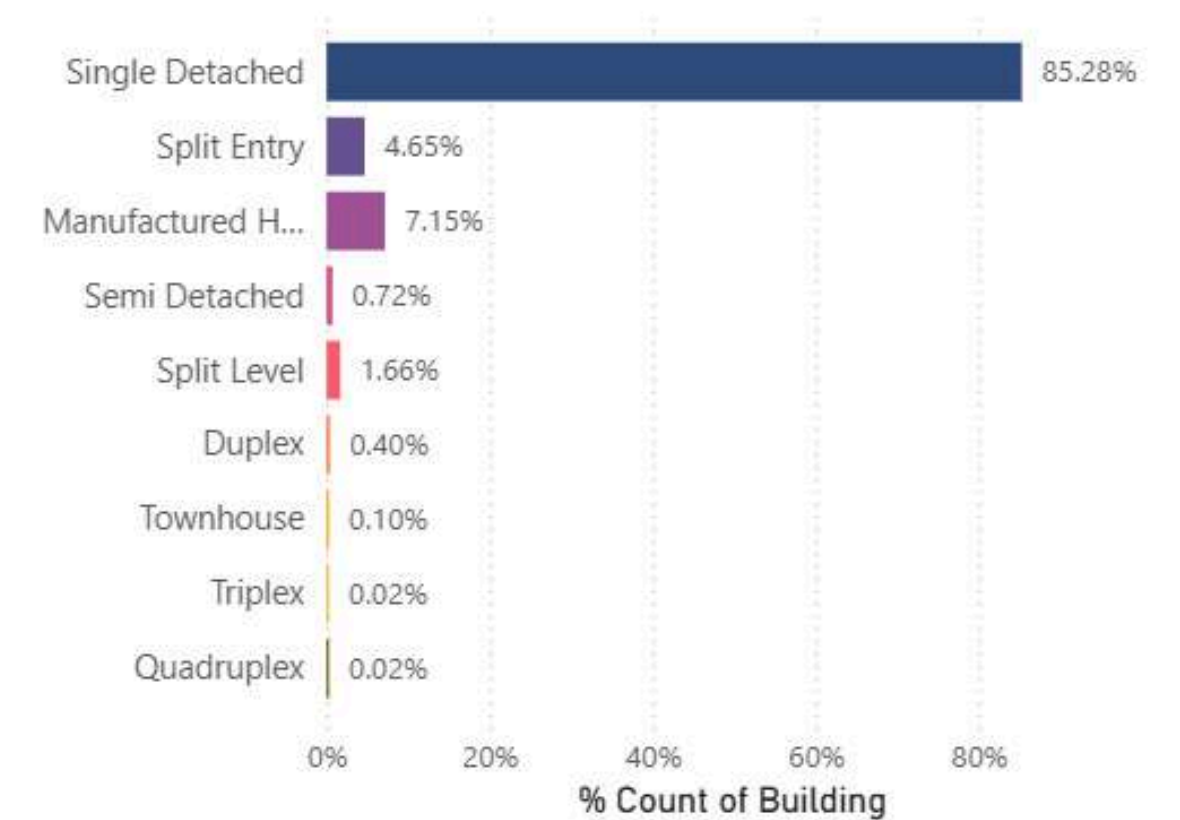
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Distribution of Building Category



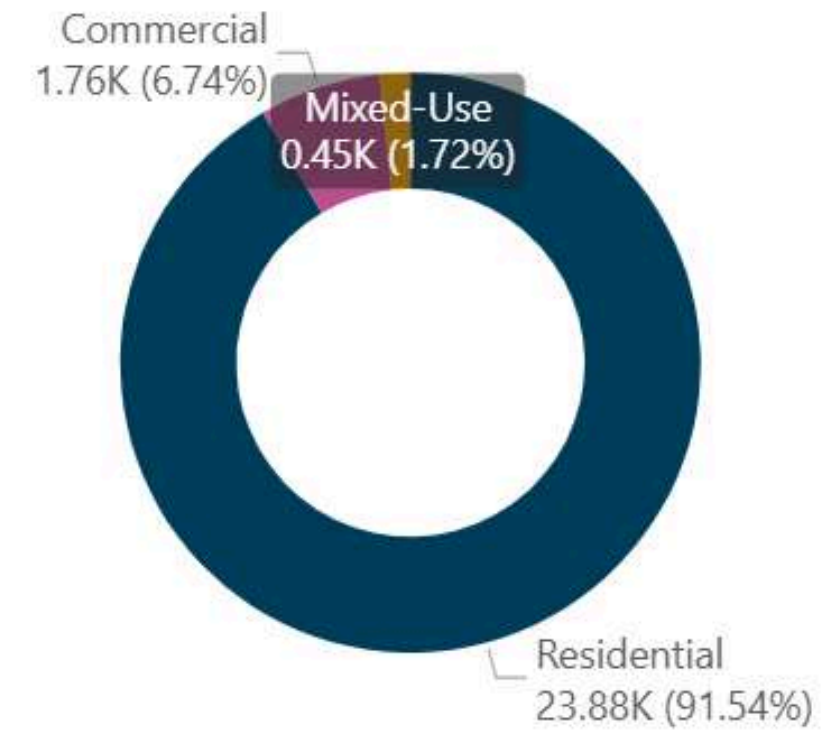
Distribution of Residential Building Style



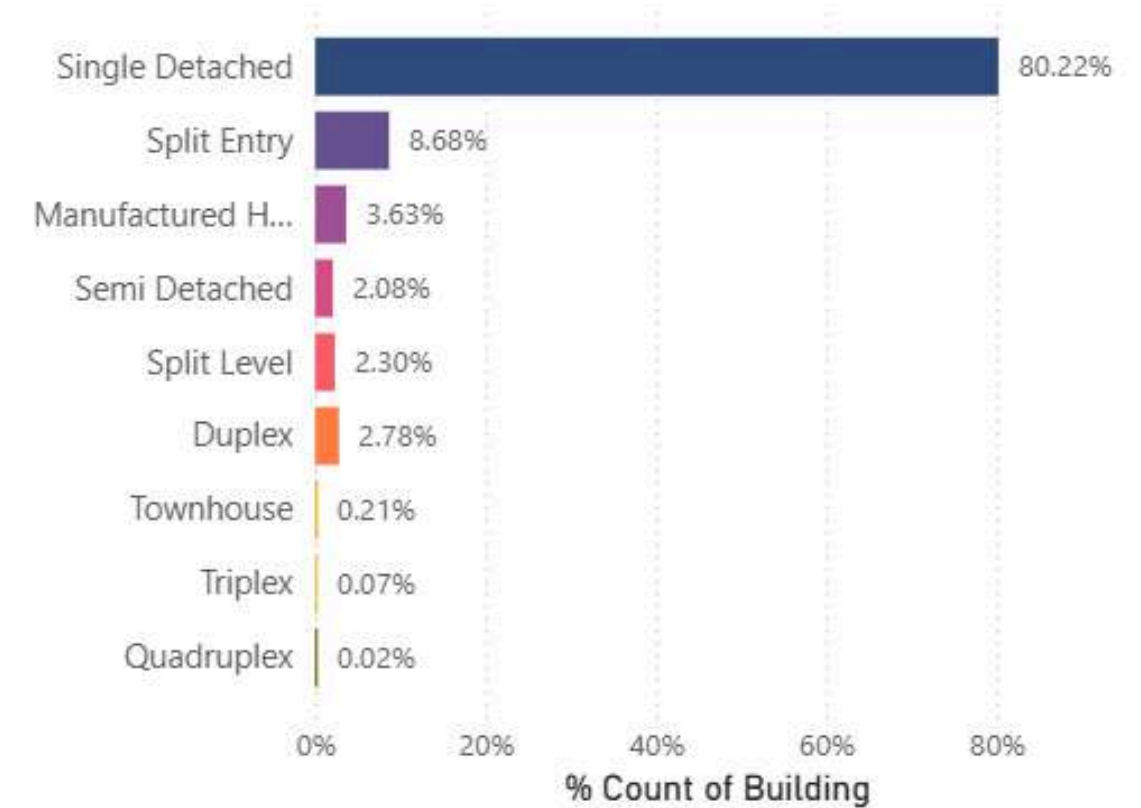
# Building Stock Distribution by County in Nova Scotia



Distribution of Building Category



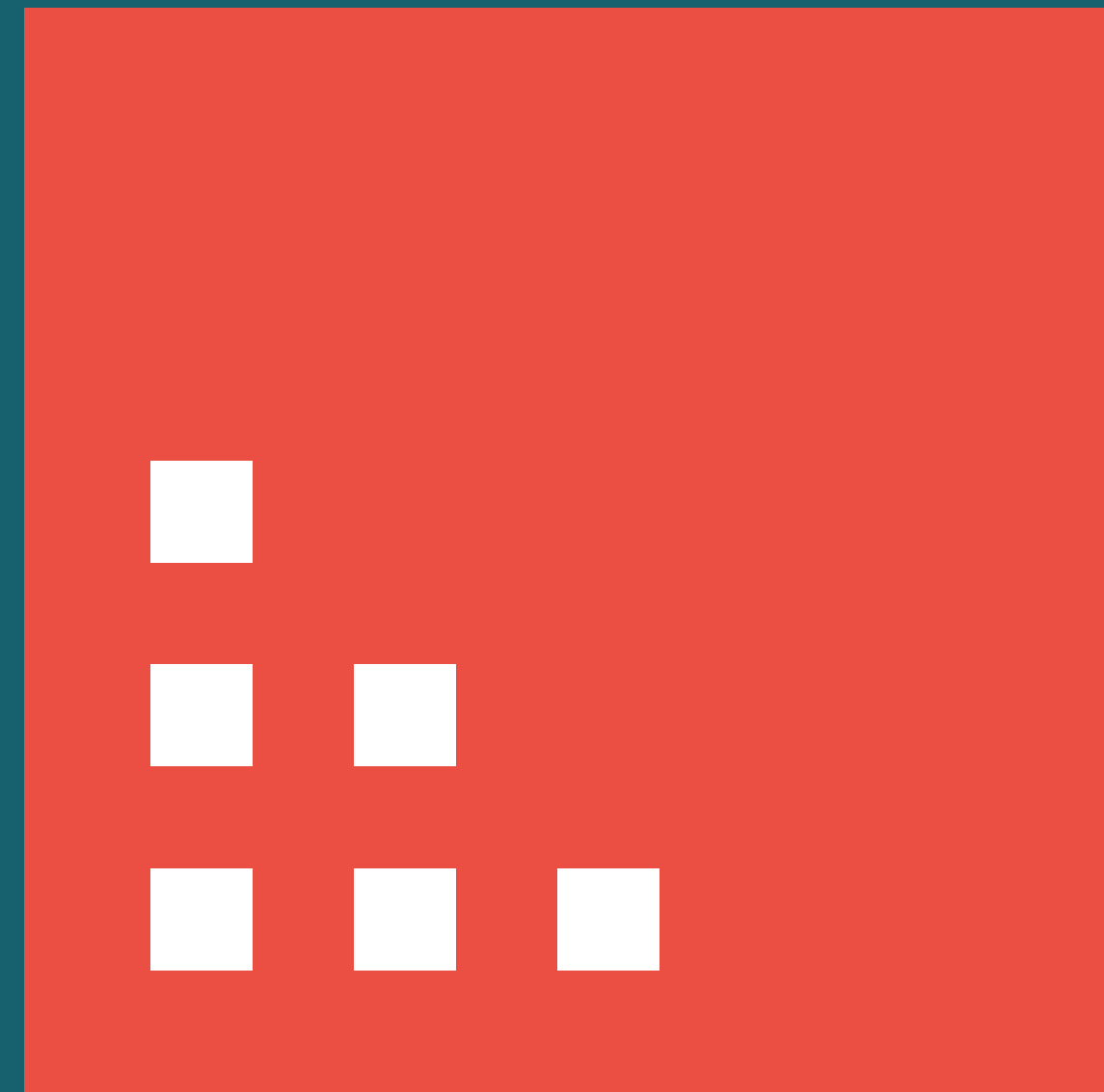
Distribution of Residential Building Style



BUILDING STOCK ANALYSIS

# NOVA SCOTIA

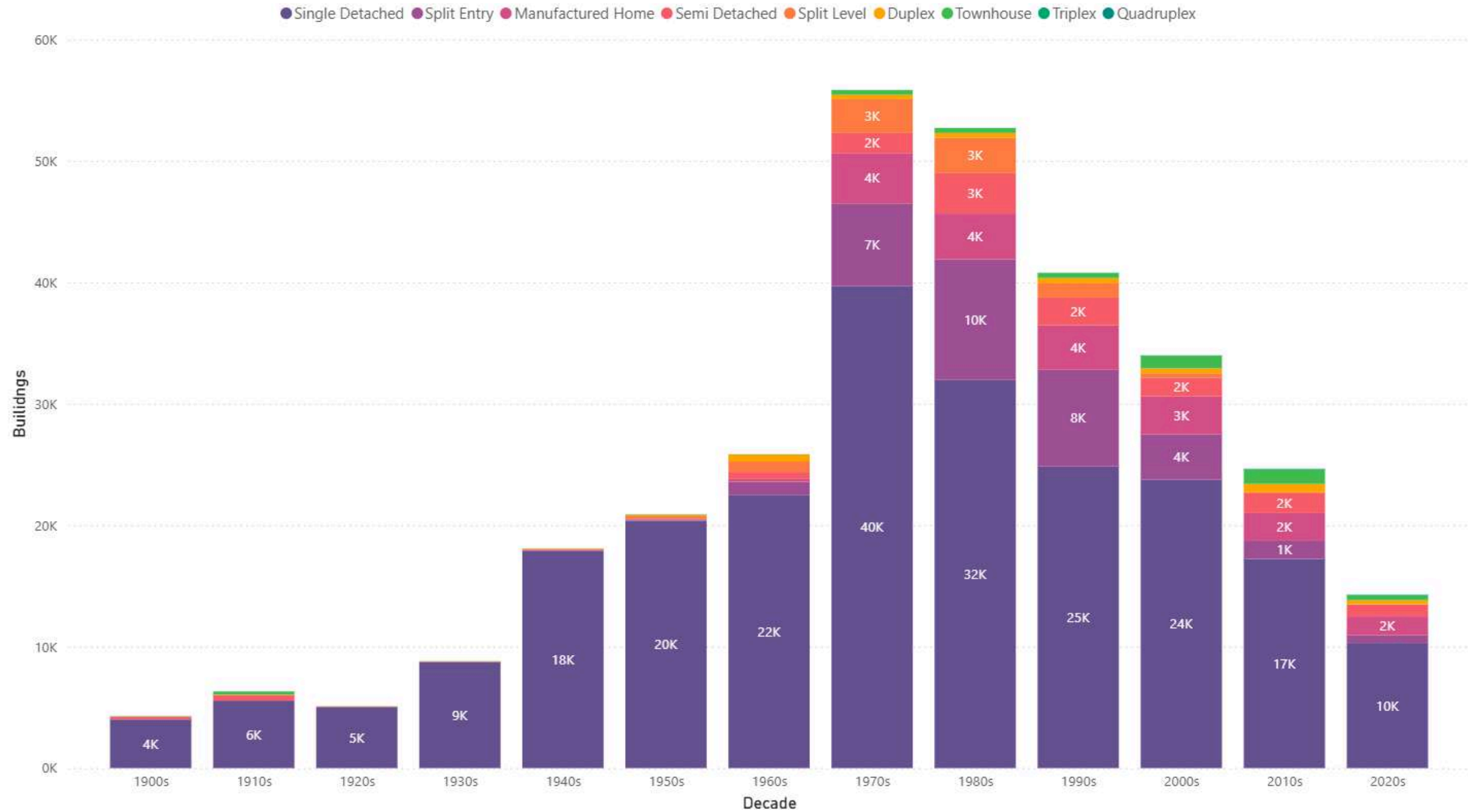
Construction and Population Growth



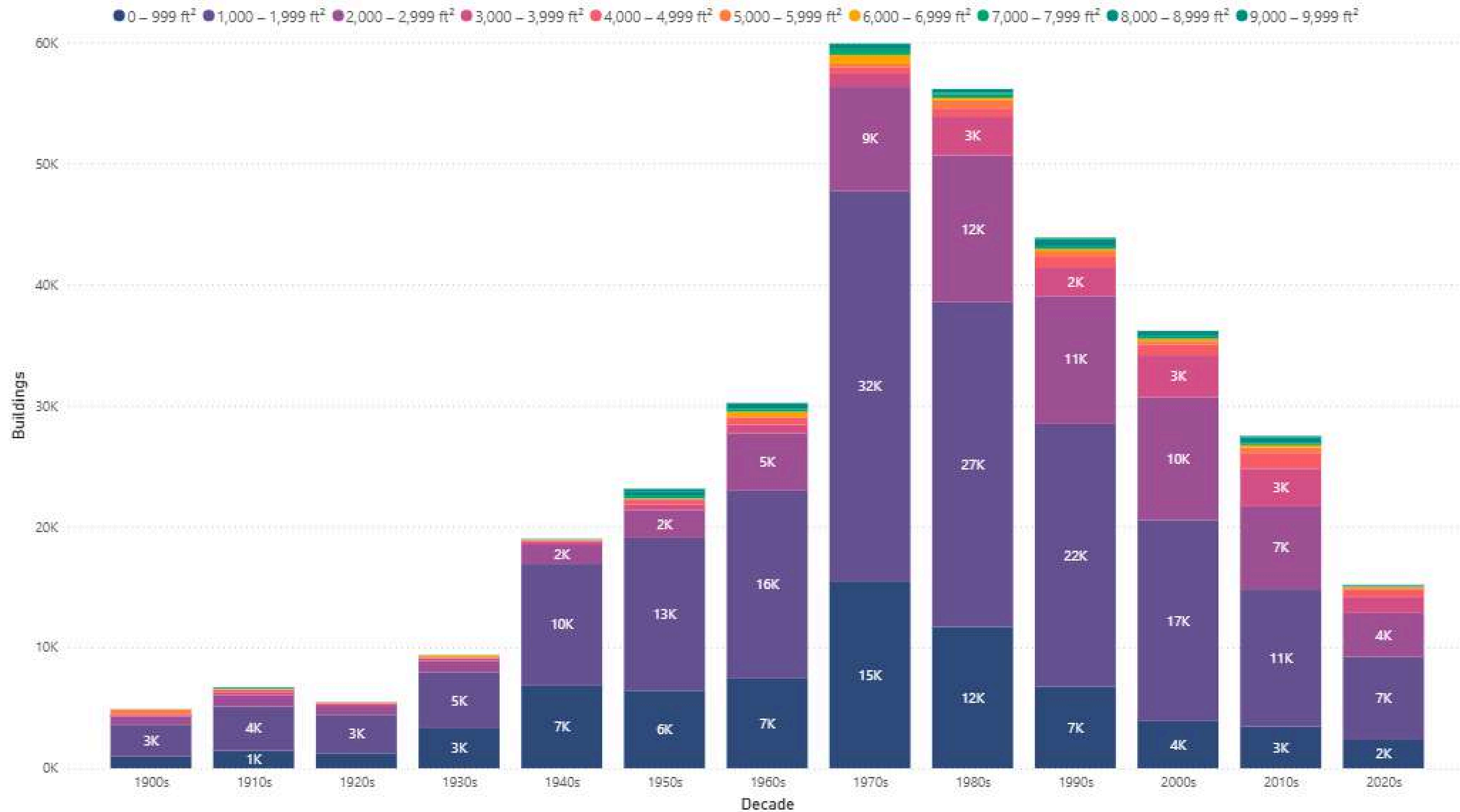
**RECOVER**



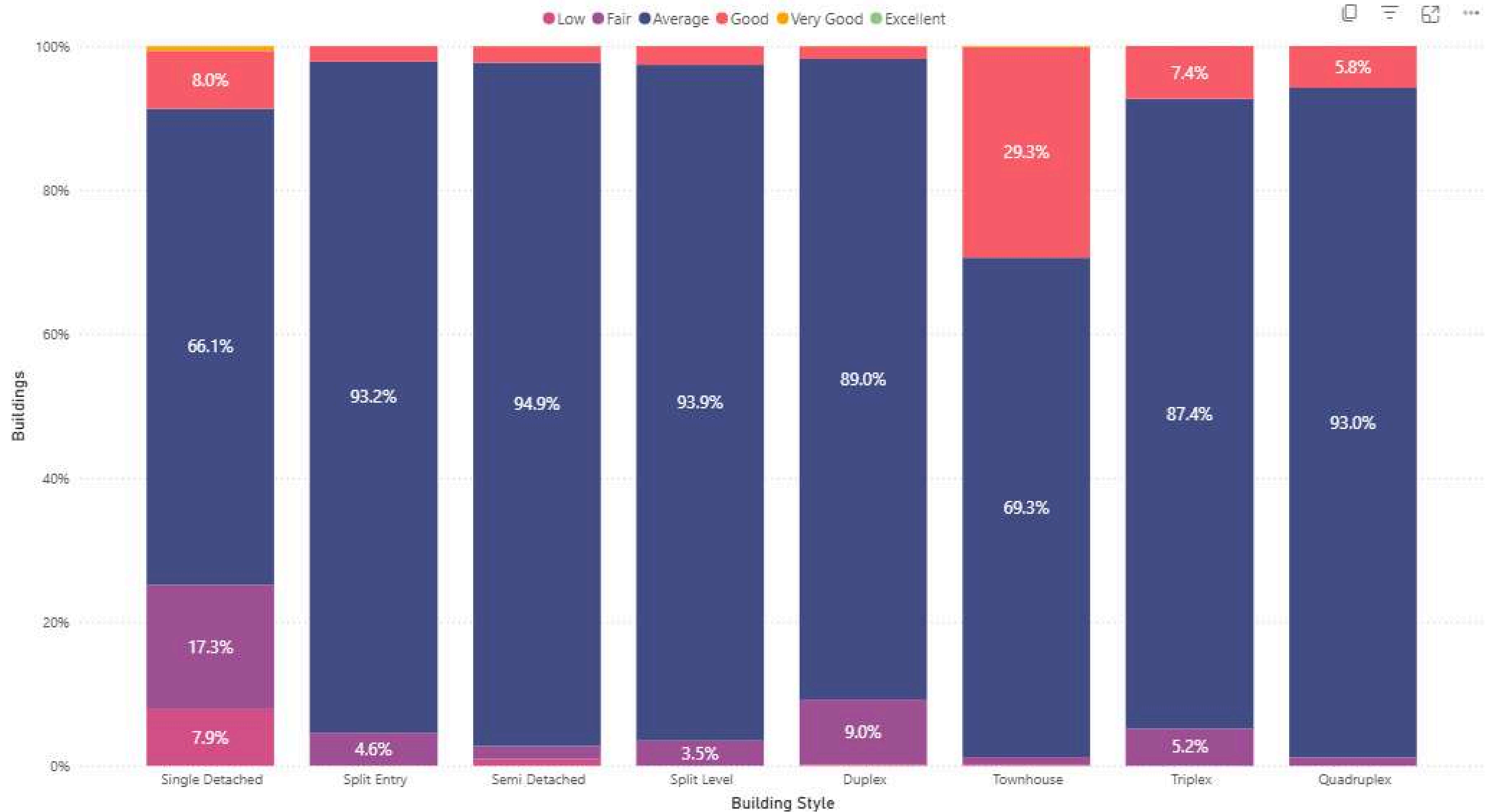
# Residential Building Construction by Decade in Nova Scotia



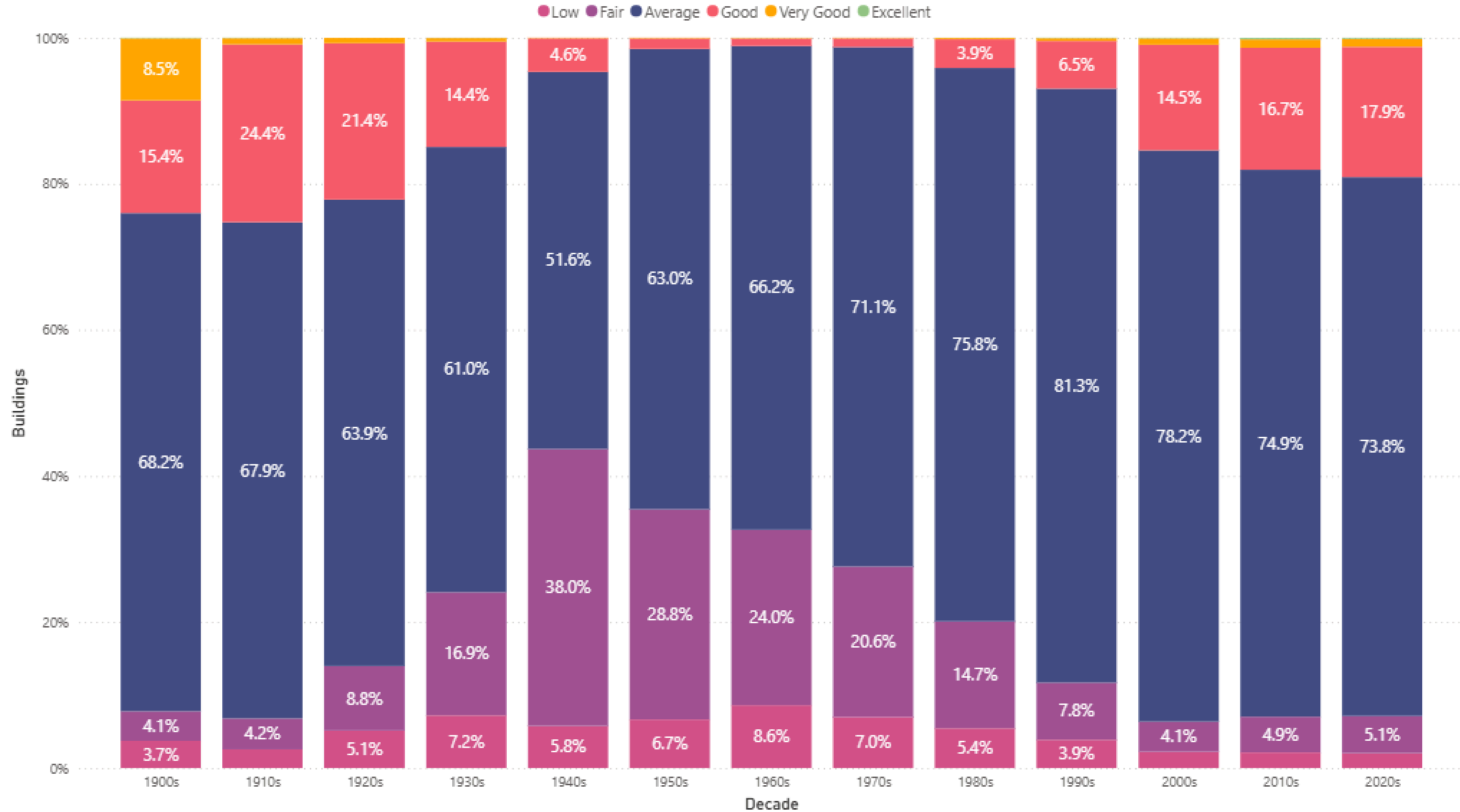
# Building Construction by Decade and Size in Nova Scotia



# Condition of Residential Buildings by Style in Nova Scotia



# Condition of Residential Buildings by Decade of Construction in Nova Scotia



NOVA SCOTIA

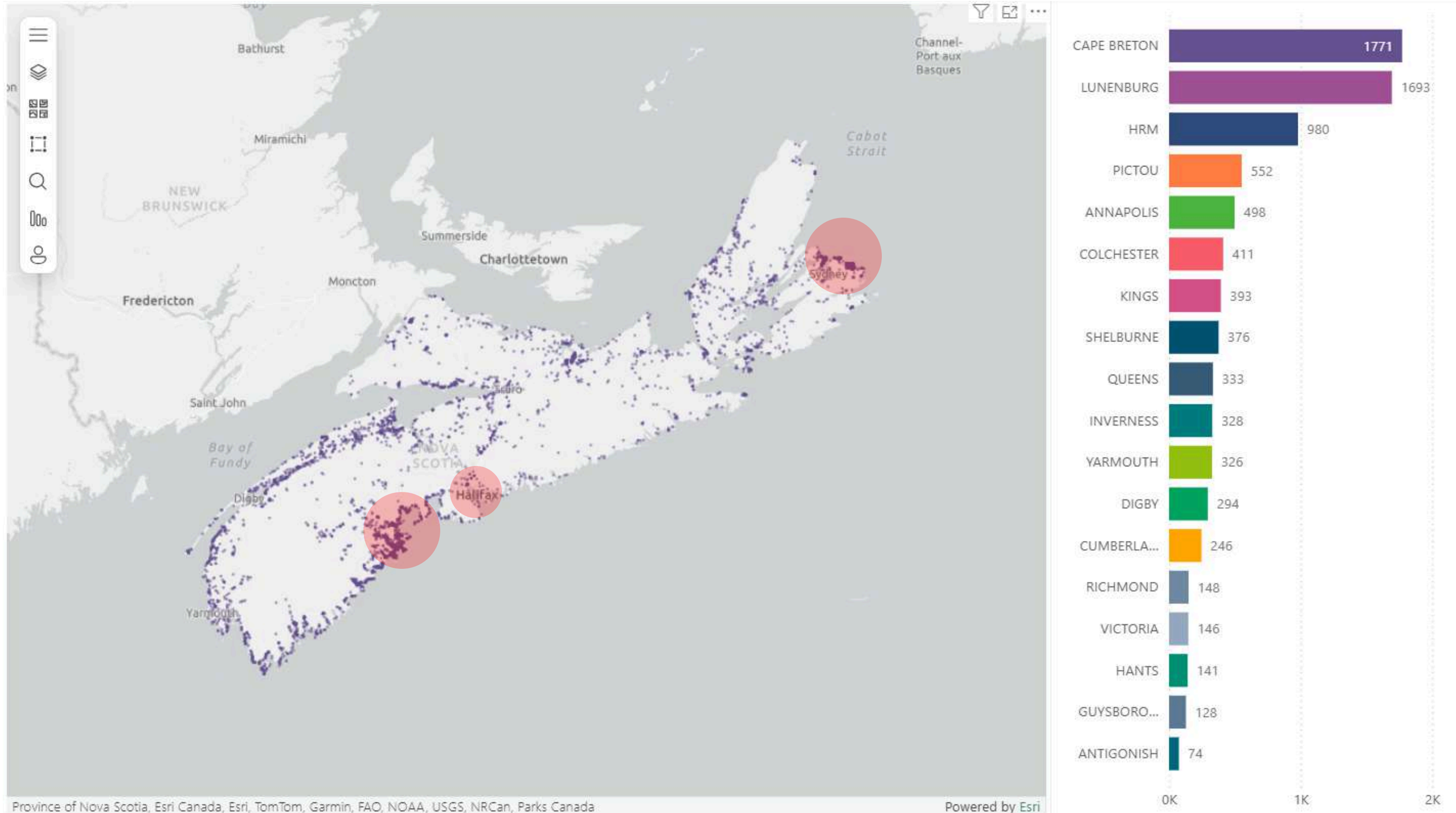
# BUILDING STOCK ANALYSIS

Building Stock Development in Nova Scotia and Halifax

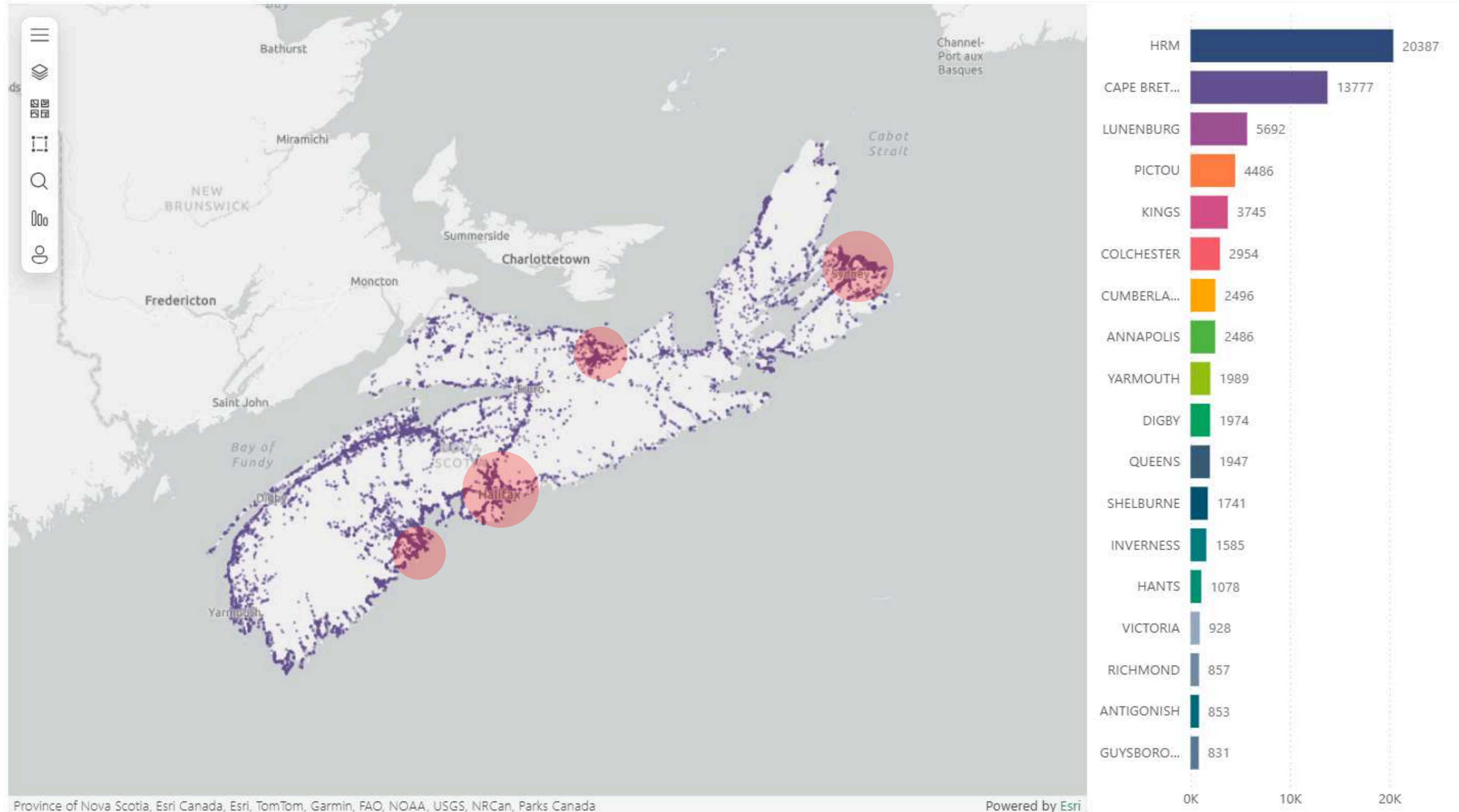
~1900s to Present



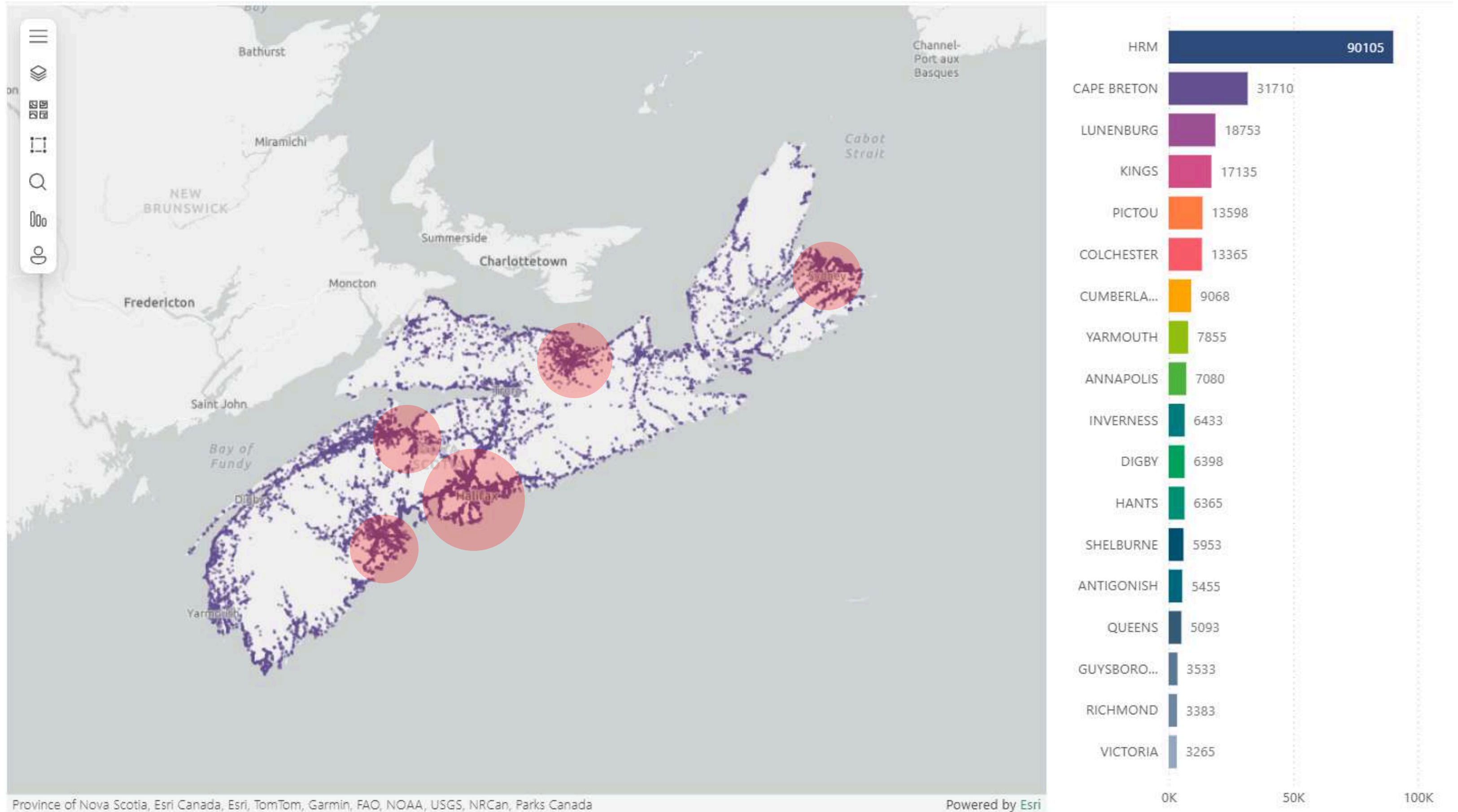
# Building Stock Development in Nova Scotia (~1900s)



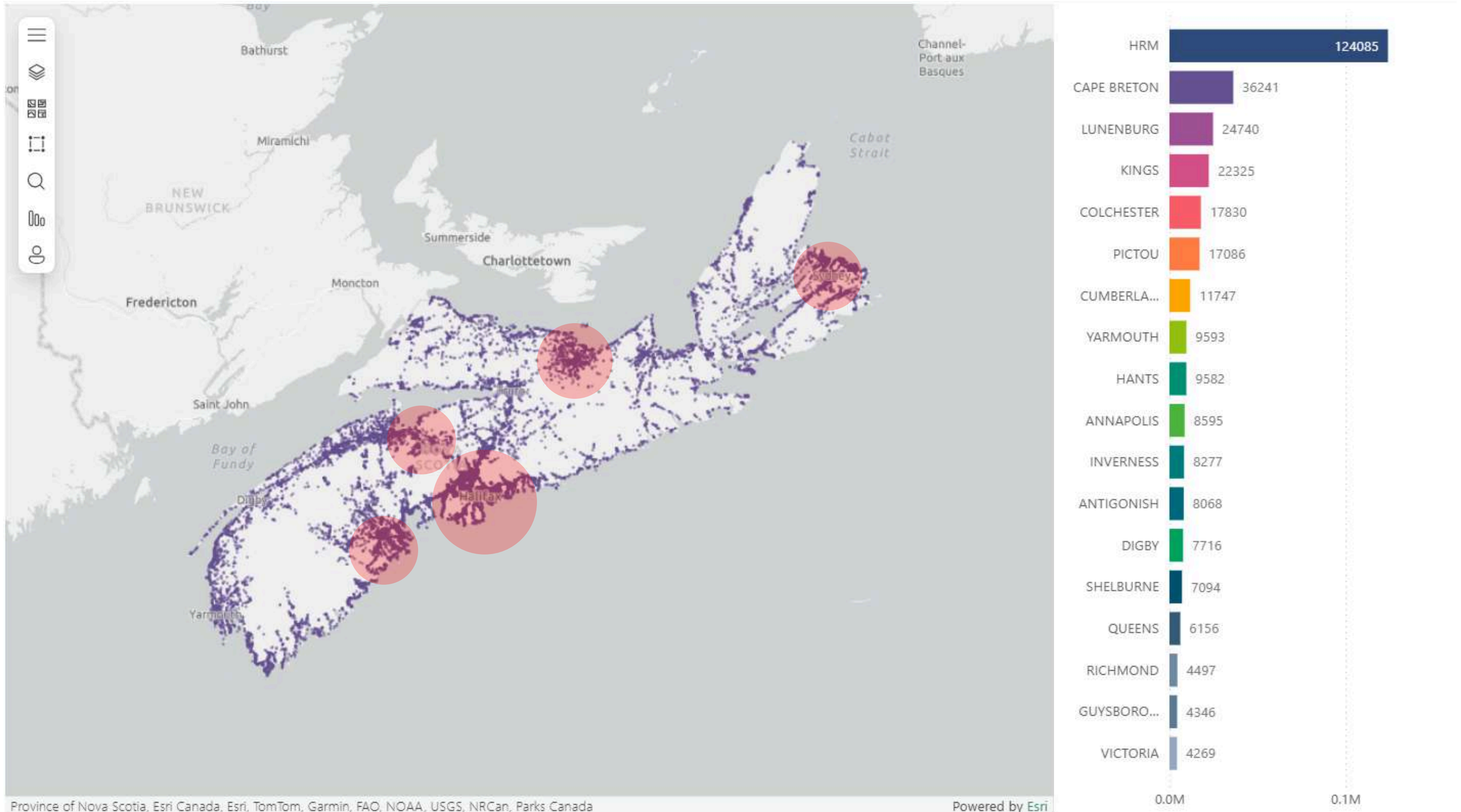
# Building Stock Development in Nova Scotia (~1950s)



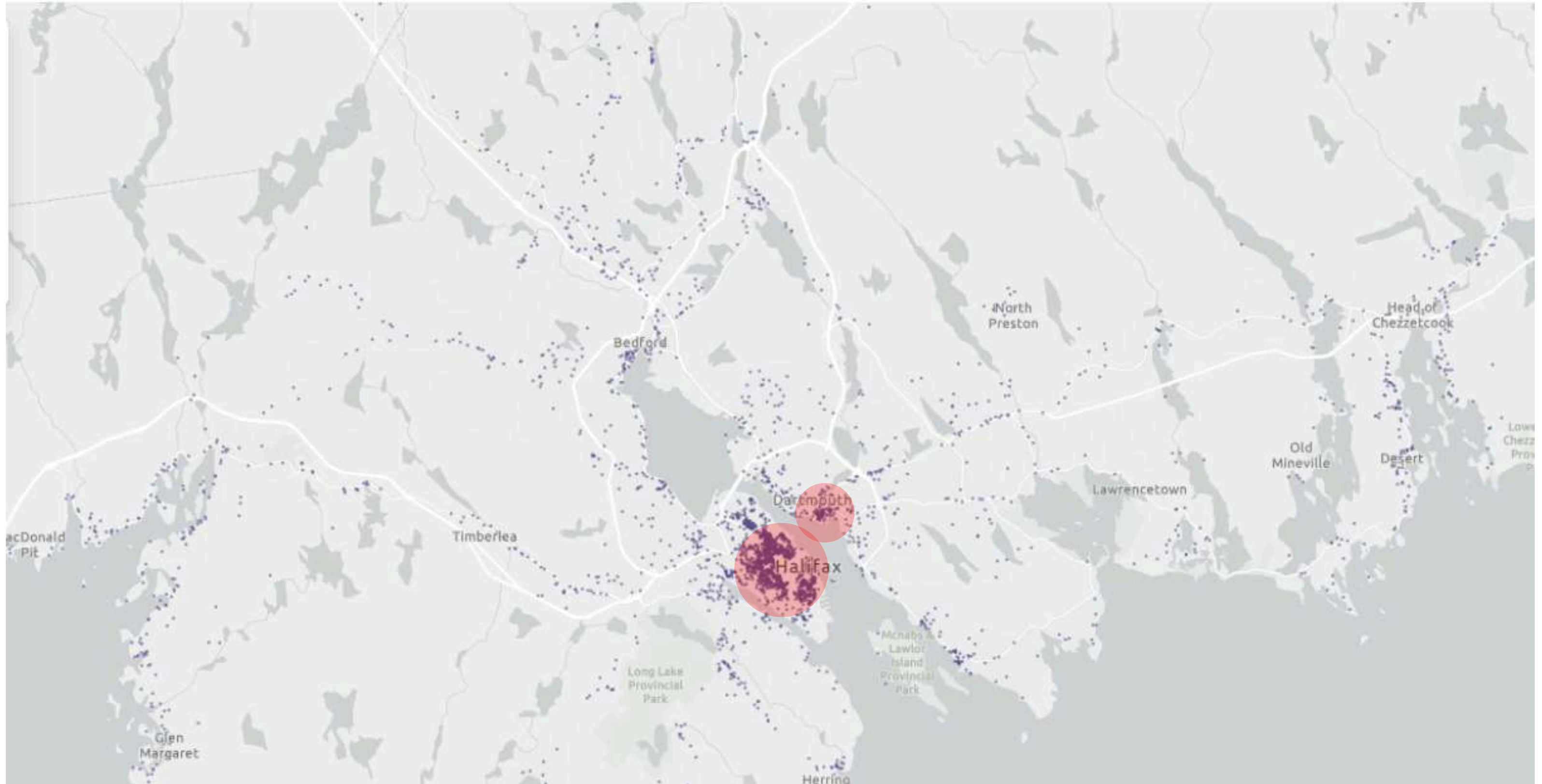
# Building Stock Development in Nova Scotia (~1990s)



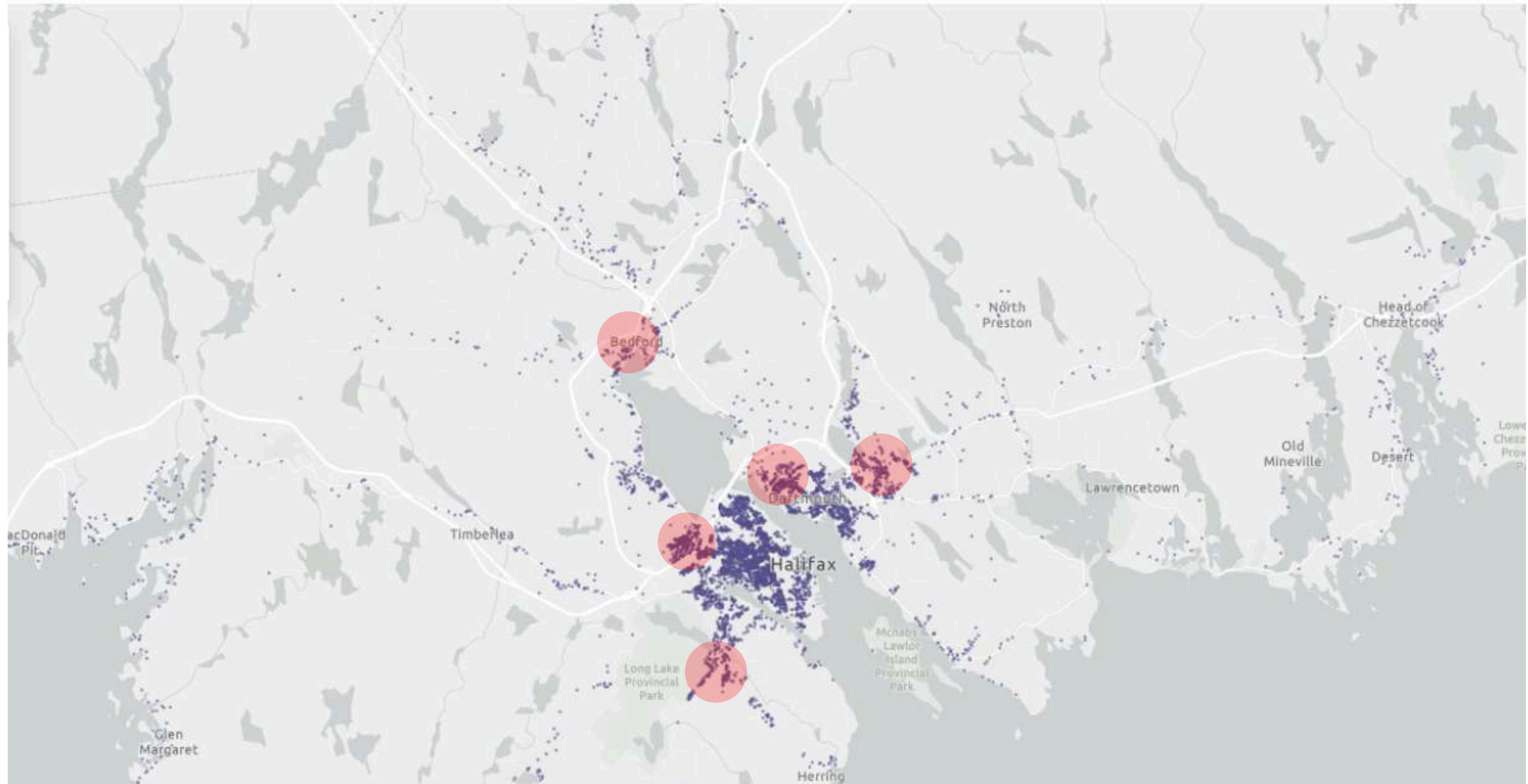
# Building Stock Development in Nova Scotia (~2020s)



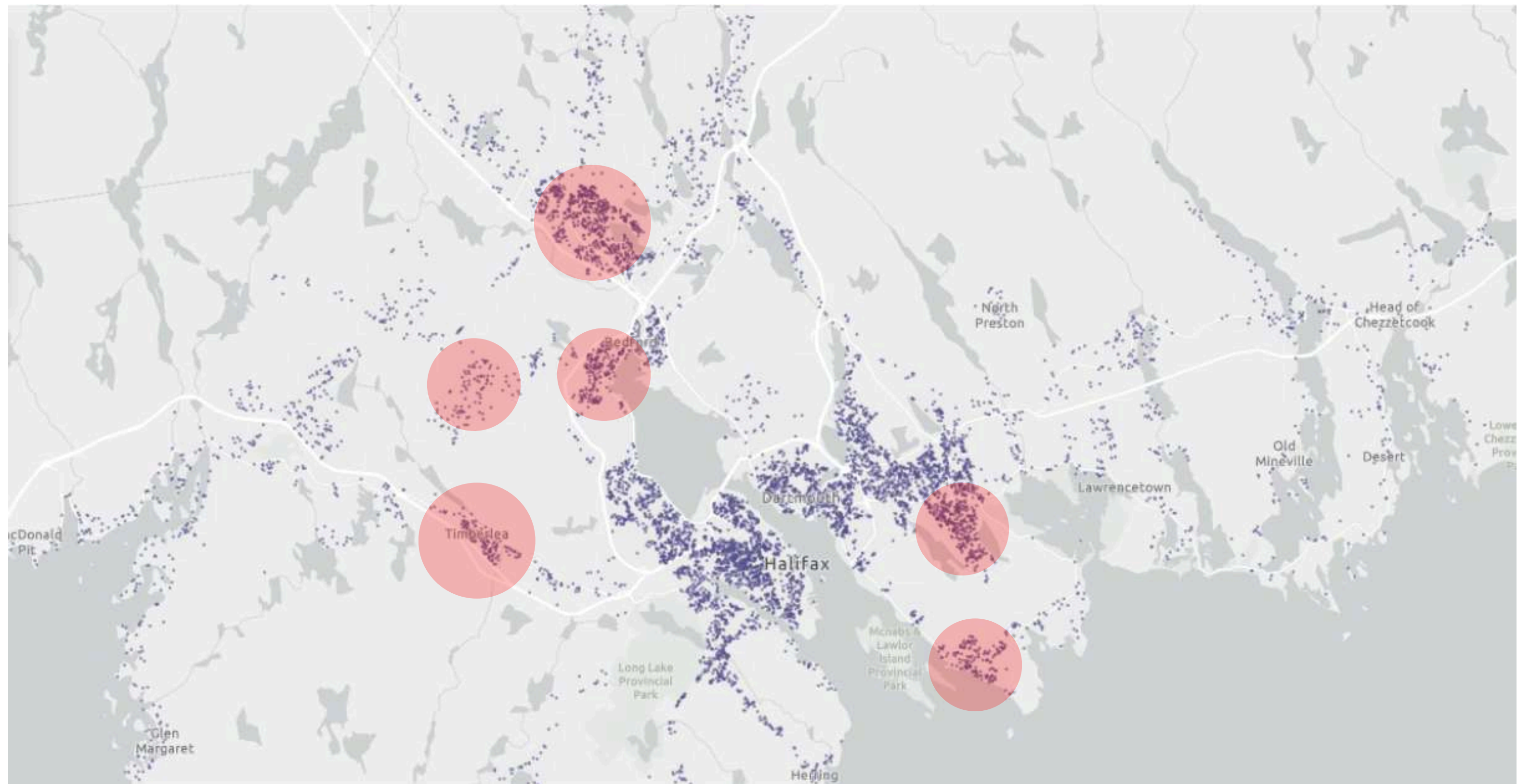
# Building Stock Development in Halifax Regional Municipality (~1900s)



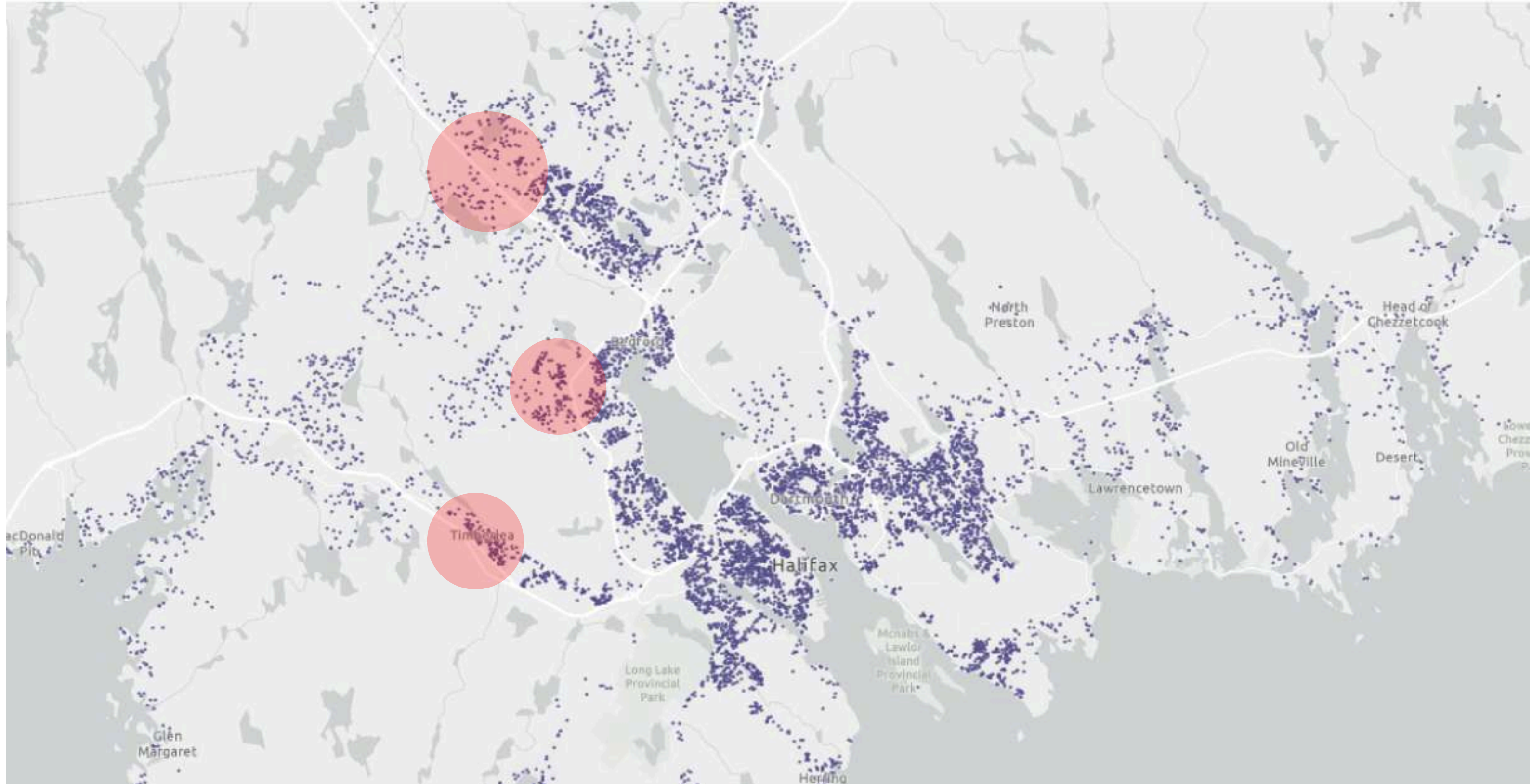
# Building Stock Development in Halifax Regional Municipality (~1950s)



# Building Stock Development in Halifax Regional Municipality (~1990s)



# Building Stock Development in Halifax Regional Municipality (~2020s)



# Strategic Retrofit Priorities



**Residential  
Mid Century  
Buildings  
(1960s~1990s)**



**Energy Efficiency  
Upgrades**



**Transition from Oil  
to Clean Energy**

