

# Climate-Friendly City Building

## Helping Victoria Grow Sustainably



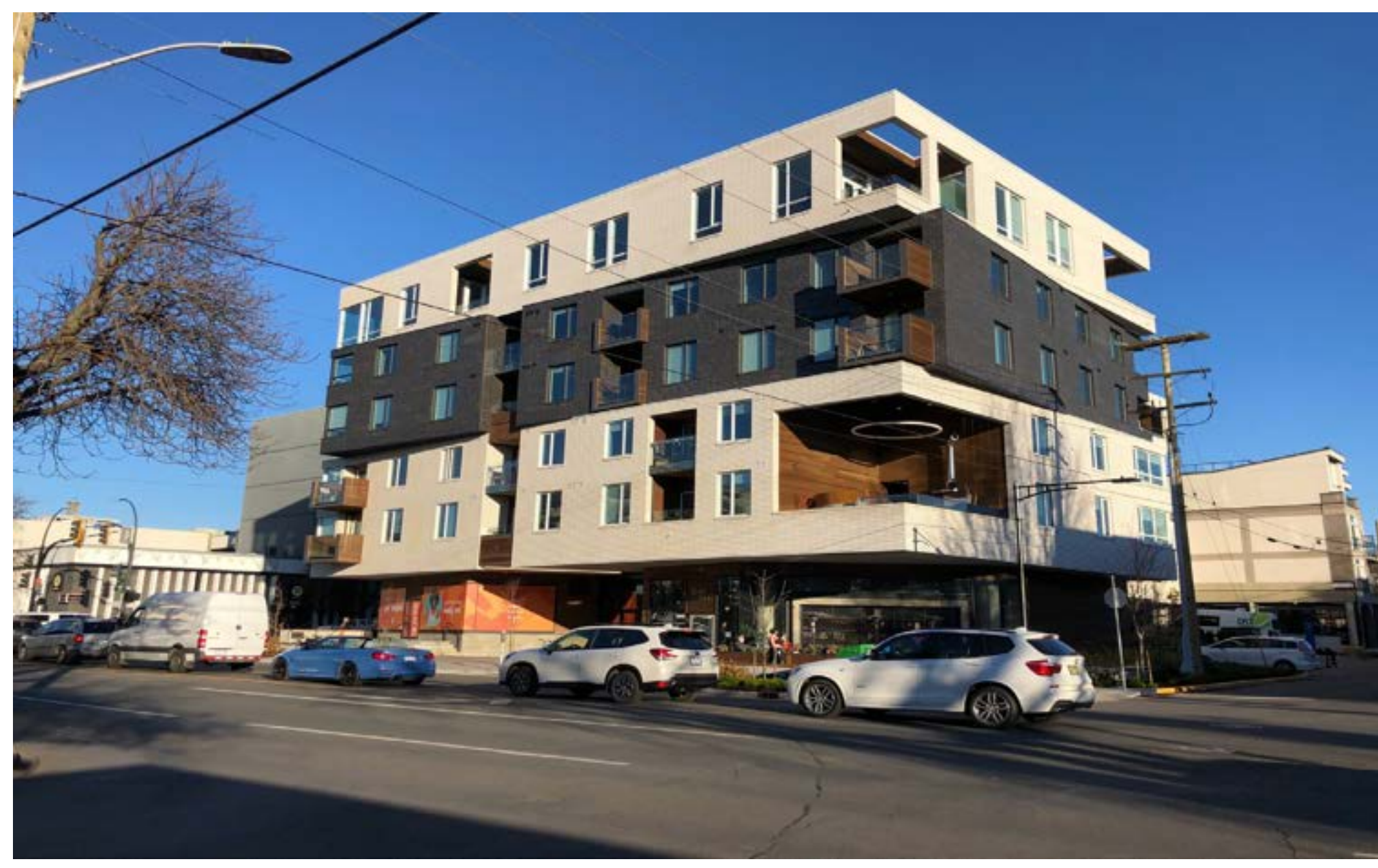
Relates to Survey Question 20

Numbering may be one higher if you got a follow up question earlier.



### Re-Use and Recycle Building Materials

Reclaiming and repurposing building materials cuts down on carbon emissions associated with manufacturing new materials.



### Build Up, Not Out

Building upwards instead of outwards reduces the materials and land required to support a growing population, reducing carbon emissions from construction, transportation and the destruction of natural environments.



### Low-Carbon Materials

Using low-carbon materials like wood in building construction and enabling building design that minimizes concrete and other high-carbon materials can significantly reduce carbon emissions associated with new building construction.



### Low-Carbon Transportation

On-road transportation accounts for 40 per cent of Victoria's GHG emissions. Enabling biking, car-sharing and public transit over single-occupancy vehicles cuts overall carbon emissions from transportation.



### Encourage Climate-Friendly Technologies

Embracing climate-friendly innovations and technologies reduces our community's reliance on fossil fuels and supports a more resilient community in the face of climate change.



### Zero-Emission Electric Systems

Using fossil fuels in our buildings makes up about half of all of Victoria's carbon emissions. The Zero Carbon Step Code mandates electric heating, cooling and hot water systems and brings carbon emissions in new buildings close to zero.



### Enhance Natural Features

Retaining and enhancing natural features like the trees, vegetation and natural topography surrounding our buildings supports biodiversity, provides cooling through shade and reduced heat island effect and sequesters carbon in the plants and soil.



### Green Infrastructure

More green spaces and permeable surfaces reduces stormwater runoff during extreme rain events and helps mitigate the urban heat island effect.



### Adapt Existing Buildings

Repurposing and upgrading existing structures for new uses decreases the need for new construction and associated carbon emissions, while also preserving the community's cultural heritage.