



SIP Dwelling Type Analysis

THE SOCIAL INNOVATION PROJECT

Local community organizations have big goals and projects that help our community. However, the lack of time and financial resources are often barriers that limit these community organizations from exploring new opportunities or innovative ideas that can help further fuel their operations.

The Social Innovation Project aims to overcome that barrier by pairing a team of student volunteers with various local community organizations to help solve a problem identified by a community organization over a 16-week period.

THE CCET

The Centre for Community Energy Transformation (CCET) is a non-profit organization created to provide homeowners and businesses the tools, education, and resources needed for energy-efficient installations and retrofits throughout the region of Peel.

The CCET's mission is to promote and accelerate the move to a low-carbon emission future in Ontario communities. By providing a One-Stop Window and an Energy Coach, residents and businesses can transition through the retrofit, rebate, and financial process with ease for an energy-efficient future.

OUR GOAL

Alongside the CCET, our team was tasked to create a dwelling-type analysis to assist homeowners in their energy retrofit journey. This data will be used to market the CCET's home retrofit program for the region of Peel and help accelerate the pace of home energy audits and retrofits done per year.

CHALLENGES

As a very data driven project, a key challenge our team faced was the lack of open data with the required data fields for the region of Peel. A common problem was that most of the publicly accessible datasets we found covered too large of an area for our project goals. We needed data for neighbourhoods within the Peel region, but many datasets we found were for Census Tracts or the entire province of Ontario.

With the help of Tony Iacobelli, the Executive Director for the CCET, we were able to gain access to Municipal Property Assessment

Corporation (MPAC) datasets for the City of Mississauga. Unfortunately, we were only able to gain access during the last 3 weeks of the SIP term which limited the amount of work and time we had to process and visualize the data.