A-1 Targeting Retrofit Measures in Commercial Buildings

Machine Learning   **Tool Development**   **Retrofit Identification**   **Stock Analysis**

Summary

Researchers will develop machine learning algorithms to identify the best opportunities for different energy retrofits, first focusing on heat pump adoption then expanding to other measures. This will span both audit-level (targeting specific retrofit measures to particular buildings, providing stakeholders with the associated energy saving estimates) and the stock-level (assessing the benefits of such measures across the Province).

Partners

Audette is a start-up company with a goal of providing every building with a tailor-fit roadmap to decarbonization.

Researchers

Under Development

METHODS AND DATA USED

Under development

Final Outcomes

Audette will develop and commercialize a tool that recommends decarbonization measures at a building-by-building scale. In addition, a stock-level analysis of carbon reduction potential will be generated across British Columbia and Canada for small Part 3 buildings. ReBuild's research will support the development of identification and recommendation algorithms and disseminate lessons learned.