



## BUILDINGS AND ENERGY



### GOAL 1:

#### Enhance resilience and efficiency of homes and buildings

**Indicator:** Net community building emissions and energy use/ dwelling.

### GOAL 2:

#### Ensure reliable power sources

**Indicator:** Percentage increase in backup energy and renewable energy systems installed annually.

## OVERVIEW

Buildings in the region play a vital role in providing safety and comfort to residents, businesses, and organizations amidst the region's diverse and challenging climate. However, energy inefficiencies, particularly in older structures, heighten vulnerabilities to climate hazards such as extreme weather, power outages, and flooding. These challenges are further exacerbated by increasing energy demand and the need for reliable, affordable energy solutions.

Through engagement with the community, concerns emerged around the inefficiencies of current energy systems and the growing impact of extreme weather on buildings and infrastructure. Addressing these issues by promoting energy-efficient upgrades, renewable energy adoption, and improving buildings and homes' resilience to climate change offers an opportunity to mitigate risks, lower costs, and reduce GHG emissions.



## Goal 1: Enhance resilience and efficiency of homes and buildings

| REGIONAL DISTRICT SCOPE   | TIMEFRAME          |
|---|--------------------|
| <b>1.1 Explore assistance for home energy retrofits</b><br><br>Explore providing assistance, resources or top-up incentives to help residents complete energy-efficient home upgrades, improving home resiliency and reducing emissions.  | Medium (2-5 years) |
| <b>1.2 Explore the development of a Regional Housing Plan which incorporates resilient and low/ zero carbon building principles</b><br><br>Explore the development of a Regional Housing Plan, in collaboration with member municipalities, including engaging with the public and interest holders on opportunities and challenges to integrate resilient building principles and low carbon technologies into the housing market. | Medium (2-5 years) |
| COLLABORATION   |                    |
| <b>1.3 Collaborate to support local trades in energy efficiency</b><br><br>Collaborate with local institutions to offer workshops and information sessions for trades specializing in energy-efficient and resilient building practices.  | Medium (2-5 years) |
| <b>1.4 Collaborate to educate residents on efficient and climate-resilient construction</b><br><br>Collaborate with different organizations like Northeast Climate Resilience Network and/or the Community Energy Association (CEA) to offer workshops and resources to Peace Region residents on building and retrofitting structures to withstand local climate risks, including floods, heatwaves, and storms.                   | Medium (2-5 years) |
| ADVOCACY  |                    |
| <b>1.5 Advocate for energy auditor and trades training</b><br><br>Advocate for the promotion of energy auditing and support training programs for local trades in the Peace Region to enhance expertise in energy-efficient, resilient building practices.  | Medium (2-5 years) |



## Goal 2: Ensure reliable power sources

| REGIONAL DISTRICT SCOPE  | TIMEFRAME          |
|--|--------------------|
| <b>2.1 Remove potential barriers to backup energy and renewable projects</b><br><br>Review PRRD policies to identify and remove potential barriers to renewable or backup energy systems and explore policy options to incentivize and support their adoption. | Medium (2-5 years) |
| ADVOCACY   |                    |
| <b>2.2 Address northern heating and power reliability</b><br><br>Advocate for infrastructure improvements that enhance power reliability and address the specific heating needs of northern communities to reduce outages and energy instability.              | Long (5+ years)    |