

Focusing Areas of Environmental Concern?

- Climate Mitigation: GHG targets and trends
- Climate Adaptation: flood / rainfall / drought / heat / slope stability
- Watersheds: water quality and quantity
- Habitat conservation and restoration
- Urban forest and vegetation cover / urban agriculture







Reframing Environmental Concern?



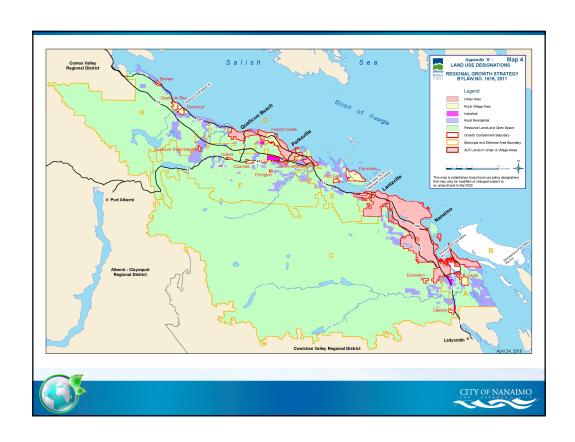
- Attractive Mobility Hubs and Nodes
- Walk to work, recreation and culture
- Vehicle Charging, cycle parking
 Longer commuter e-bike, transit connections
- Green and complete neighborhoods
- Support gentle densification and housing diversity
- rainwater management and water conservation
- Encourage habitat restoration and local food production
- Nanaimo Pride of people and place

- Housing and social support Manage for wildfire interface risk Invasive species management (Volunteers in Parks / stewardship)











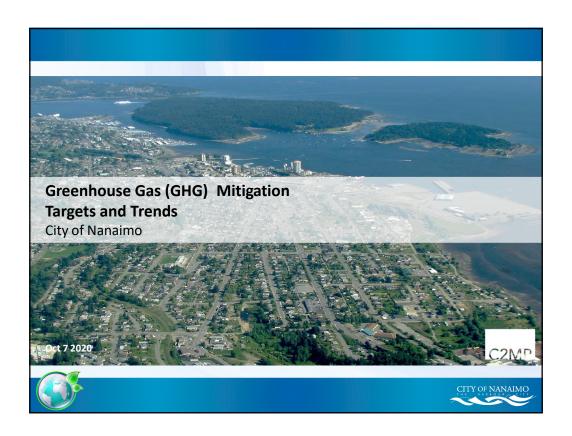
WHAT ARE THE CLIMATE BENEFITS?

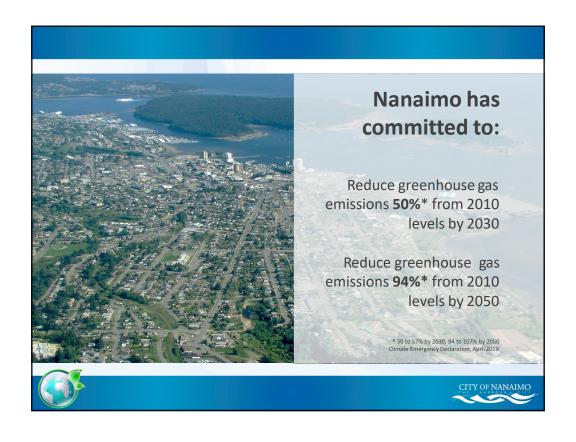
- Directing the majority of growth inside the Urban Containment Boundary and reducing GHGs emissions from the need to drive.
- Locating housing, services and amenities in compact urban areas allows for active transportation options without the need to drive.
- Encourages greater housing diversity within the urban containment boundary.
- Encouraging water-efficient, energy-efficient, and more sustainable subdivision and development.
- Conserving lands outside the urban containment boundary for:
 - agricultural, forestry lands
 - recreation and environmental protection purposes

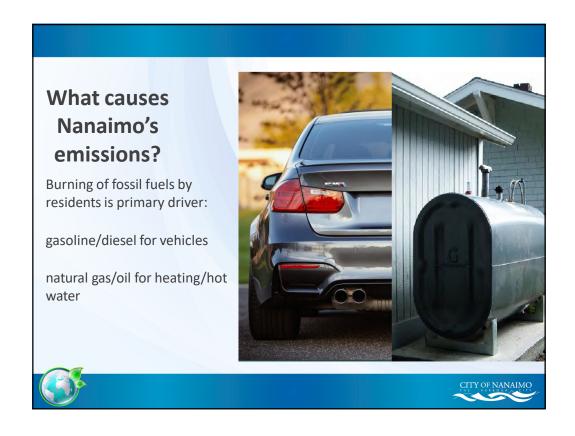












Nanaimo's climate policies

- ☐ 2008 OCP had policies to reduce energy use
- 2010 GHG targets of 33% reduction by 2020 from 2007
- ☐ Community Sustainable Action Plan (2012) suggested policies and indicators
- ☐ Transportation master plan describes a multi-modal vision of transportation
- ☐ Parking bylaw introduced EV charging requirements for new construction
- ☐ Energy Step Code Implementation Strategy (2018) for increased energy efficiency for new buildings
- Rezoning policy incentivizes exceeding Energy Step with density bonus points.

 Rezoning policy under review re additional Energy Step Code requirements
- ☐ City promotes the Clean BC top-up incentives for home or work/apartment EV charging stations, and EV purchase incentives

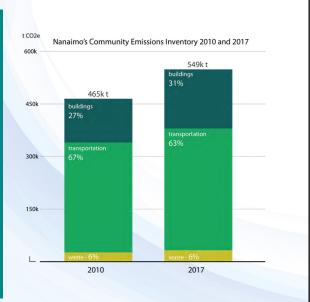




But emissions are still rising.

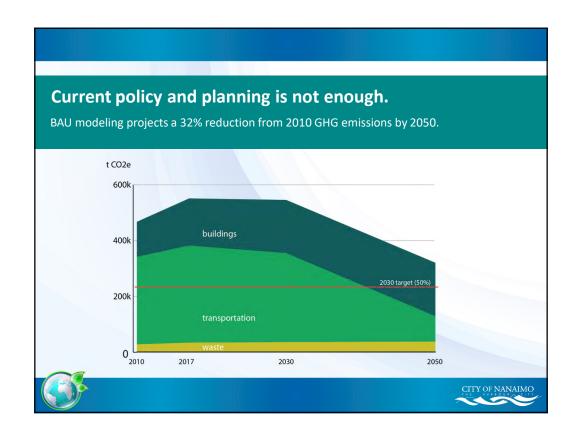
In 2010, council set a target of 33% reduction in emissions by 2020.

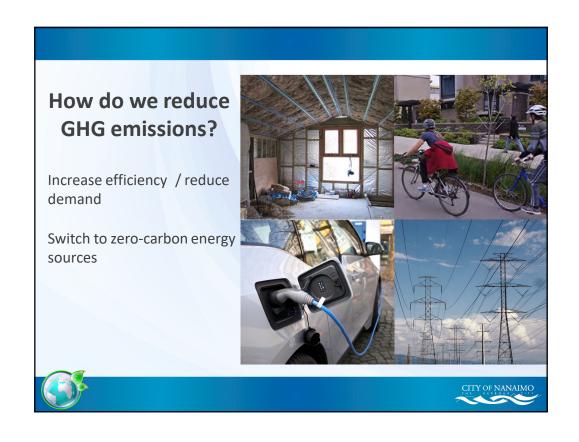
Emissions in 2017 increased **18%** since 2010.

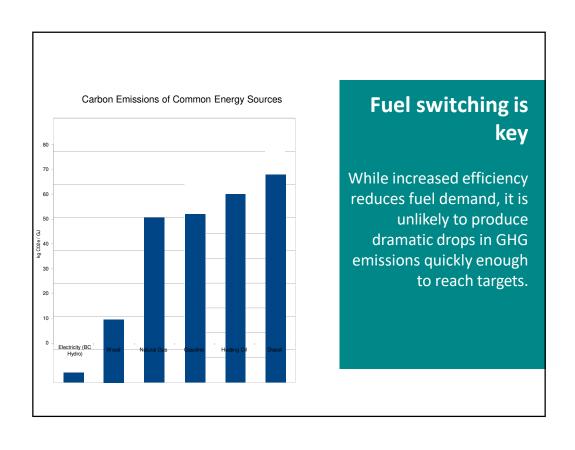


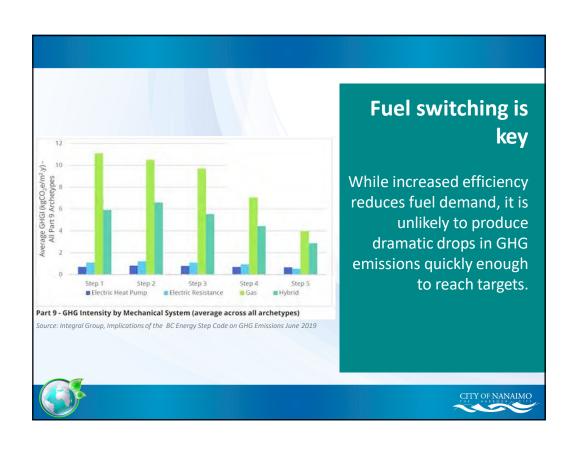


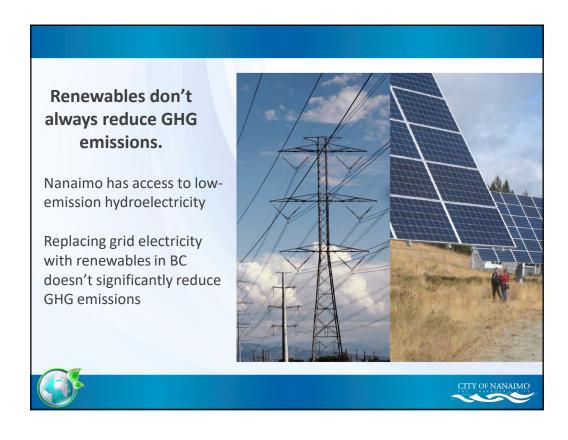


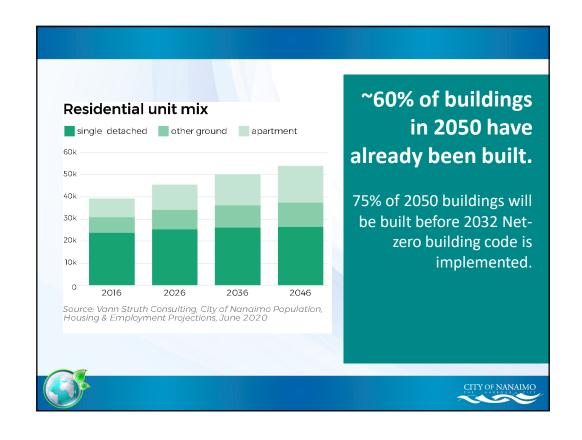


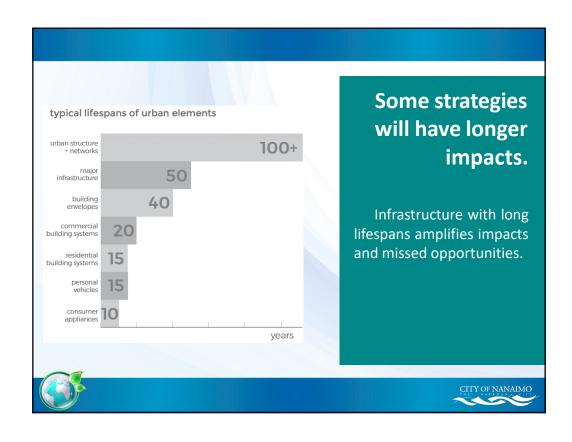


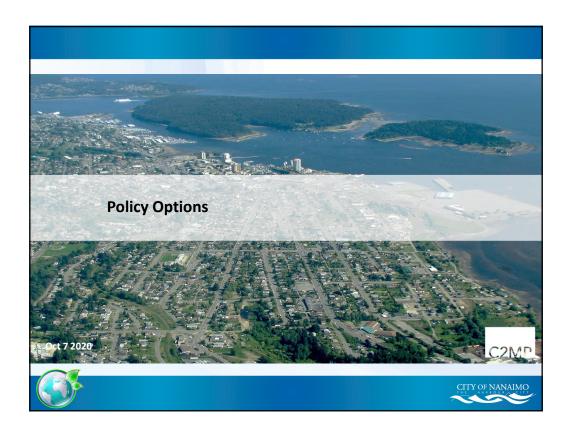














Possible GHG Options

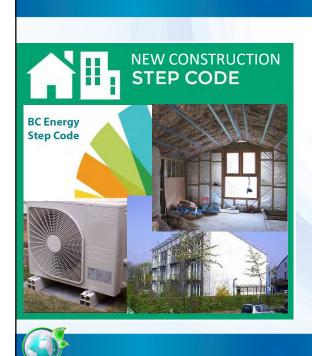
Education

Increase Incentives

Target Oil Heating

Provide financing for upgrades





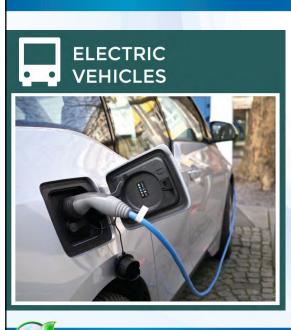
Possible GHG Options

Increase Energy Step Code Requirements

Add GHG intensity alternative pathway

Density bonusing for zero carbon buildings





Possible GHG Options

Improve public charging infrastructure

Target charging investments for buildings that are expensive to upgrade

Increase EV charging requirements in new construction







Possible GHG Options

Waste reduction programs

Continue to improve organic waste diversion

Explore integrated waste management for reducing GHG emissions from waste





