

DATE OF MEETING | JANUARY 15, 2020 |

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**SUBJECT                    DRAFT SCOPE OF WORK: 2050 NANAIMO CLIMATE ACTION PLAN**

## **OVERVIEW**

### **Purpose of Report**

This report to the Environment Committee is to receive feedback and comment on a draft Terms of Reference for the 2050 Nanaimo Climate Action Plan |

### **Recommendation**

That the Committee provide input and comment on the scope of work for the 2050 Nanaimo Climate Action Plan.

## **BACKGROUND**

The City of Nanaimo (the City) is undertaking a review and update of both its Corporate Climate Change Plan (2007) and its Community Sustainability Action Plan (2012). A key component of the update will be a citywide greenhouse gas (GHG) emissions inventory with recommended community actions, guidelines to achieve the GHG reduction targets, and training for staff to continue to maintain and update GHG inventory data going forward.

Over the last decade, the City has applied a consistent approach to GHG reductions in the community. Starting with the City signing onto the provincial Climate Action Charter and adopting its first Corporate Climate Change plan in 2007, the City set a strong foundation to become a community leader in lowering GHG emissions. Subsequently, planNanaimo established the City's first community wide GHG reduction target. This was later followed up by the Community Sustainability Action Plan, which included a framework and actions to help achieve the OCP reduction target of reducing GHG emissions to 3% below 2007 levels by 2020 and 39% of 2007 levels by 2050.

In April 2019, recognizing the rising global concern raised by the International Panel on Climate Change (IPCC) to limit global warming to 1.5°C, Council declared a Climate Emergency and required that new community-wide emission reduction targets be set to between 50% and 58% below 2010 levels by 2030, and between 94% and 107% below 2010 levels by 2050. |

## **DISCUSSION**

The goal of the 2050 Nanaimo Climate Action Plan is to put Nanaimo on track to meet its GHG reduction targets of lowering community wide emissions to between 50% and 58% below 2010 levels by 2030, and between 94% and 107% below 2010 levels by 2050.

The main objective of the work will be to identify actions, programs, and policies for the City to adopt that meet the City's goal of lowering community wide emissions to between 50% and 58% below 2010 levels by 2030, and between 94% and 107% below 2010 levels by 2050. A secondary objective is for staff to have the capacity to continue to maintain and update the community GHG emissions inventory, going forward.

Staff will be working with a consultant to review and update both the City Corporate Climate Change Plan (2007) and the Community Sustainability Action Plan (2012). The review will include the use of a climate and energy model, that the consultant will research, input data and develop projections for two future energy and GHG emissions scenarios:

1. Scenario 1 – Business As Usual (BAU) GHG emissions reductions by 2030 and 2050
2. Scenario 2 – 58% GHG emissions reduction below 2010 levels by 2030 and 107% GHG emission reduction below 2010 levels by 2050.

It is expected the model will capture both energy supply and demand considerations in the context of economic (cost), policy and public behavior constraints. The consultant will need to incorporate applicable Corporate, Regional, Provincial, and Federal legislation, plans, policies and programs into these scenarios, as well as any knowledge of social and political acceptance of any proposed climate actions.

The overall structure of the plan will include the following five general components:

- research/ background
- emissions profiles / inventory / projections
- implications review
- recommended actions and programs
- monitoring plan.

Public engagement for the plan will be sought through targeted consultation with external stakeholders and by providing opportunity for general public to review and comment on draft actions.

Engagement with external stakeholders will focus on a consultative level. External stakeholders may be invited to participate in workshops or smaller group discussions focussing on GHG reduction policy and program development, targeting residential / commercial building retrofits and new construction and city-wide transportation.

Engagement with the public is anticipated to be at an informational level on proposed actions and programs for meeting the City's climate emergency targets. This information will be presented as part of the public engagement for the City's 2020 Strategic Planning updates for the Official Community Plan, Parks, Recreation and Culture Master Plan, and Active Transportation Plan.

Final deliverables will include:

1. A community GHG Inventory report of the City of Nanaimo for the years, 2010, 2012, 2015, and 2018 (plus projections for 2030, 2040, and 2050) in accordance with:
  - o The BASIC+ reporting level of the Global Protocol for Community (GPC) Scale Greenhouse Gas Emission Inventories: An Accounting and Reporting Standard for Cities
2. A written report outlining methodology and results of assessments and scenario projections.
3. Implementation actions and monitoring recommendations in the body of the report and presented to staff and stakeholders.
4. Storyboards or other graphic outputs useful for clearly communicating the scenario development, results and proposed climate actions to key stakeholders, Council and the general public.

Staff are looking for input on the Committee's overall views and comment on the draft terms of reference, with specific focus on how the consultant and City staff best engage the public on the issue of climate change and in developing the 2050 Nanaimo Climate Action Plan. |

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