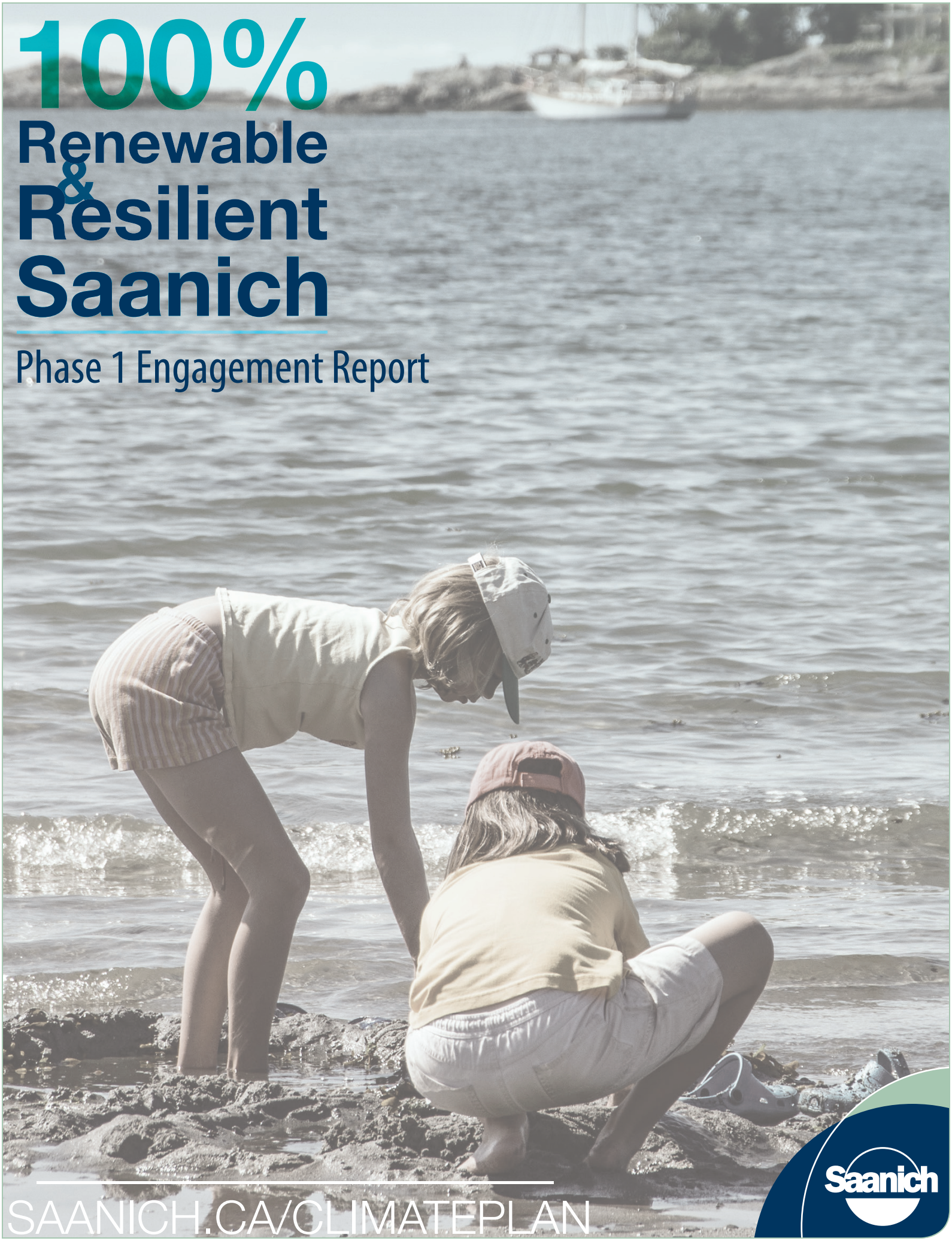
100% Renewable & Resilient Saanich

Phase 1 Engagement Report



SAANICH.CA/CLIMATEPLAN

Saanich

TABLE OF CONTENTS

EXECUTIVE SUMMARY

In October 2017, Council adopted new climate targets for Saanich and endorsed a Terms of Reference for an updated Climate Plan: 100% Renewable & Resilient Saanich to identify the actions needed to meet the targets:

- Become a 100% Renewable Energy Community by 2050
- Reduce our greenhouse gas emissions by 80% below 2007 levels by 2050
- Prepare for a changing climate.

The plan is being developed in six phases, supported by a comprehensive engagement strategy. The purpose of the first phase of engagement was to receive input on key themes, issues, opportunities and potential actions related to climate change from the technical working group, first nations, key stakeholders and community members. This report provides a summary of the first phase of engagement.

In Phase 1, over 1,700 individuals have been engaged at 28 key events throughout the late spring, summer and fall 2018 on the Plan development. These events varied in type and included panel discussions with key speakers, internal working group meetings, presentations at schools and community associations, key stakeholder workshops, public open houses and workshops, hosting our climate stall at festivals and community events, riding major bus routes in Saanich to speak to passengers etc.

A summary of feedback from both the engagement boards, survey, and workshops is provided in this report, and full survey details are available in Appendix C. A varied audience had been reached and considerable input had been received, providing a clear understanding of community values as they relate to climate change, the barriers to reaching our climate targets and the opportunities for developing actions and priorities for the updated Climate Plan.

This report will be made available to the public on the climate plan website www.saanich.ca/climateplan.

The findings from the first phase of engagement will be used to inform the development of draft strategies and actions to achieve both the climate targets and to address the projected climate changes for the region. These draft strategies will form the basis of a second phase of engagement in early 2019.

Key Themes

Broad consensus among most residents:

- Strong support for climate action
- Sense of urgency
- Desire for regulation and incentives as top municipal approaches

Common Feedback Theme Areas

- Mitigation

    - Sustainable Mobility:
        - Support for complete, compact communities: (increasing density, mixed services, and housing types)
        - Need for improvements in public and active transportation (more frequent, convenient, affordable bus service, safe, attractive, accessible walking and cycling routes)
        - Help with upfront costs and access to charging for electric vehicles
    - Waste reduction
        - Support for banning or reduce single use plastics at their sources
        - Desire for easier and expanded recycling/reusing programs
    - Built Environment:
        - Support for improving building energy efficiency
        - Support for renewable systems: solar, heat pumps
        - Interest in green design: rainwater harvesting, green roofs
        - Desire for affordability and help with upfront costs.
- Adaptation
    - Education and Awareness
        - Public felt they were informed about expected climate changes, were experiencing some changes already, and reported a fairly high level of household preparedness
        - Greater education was a top priority for Saanich to help residents prepare
        - Impacts to health and well-being was a strong and common concern
    - Ecosystems and Natural Areas
        - Protection of ecosystems was a top motivation for acting on climate change, and one of the most important co-benefits identified by the public
        - High support for protecting/enhancing natural areas, tree planting and protection, use of green infrastructure, and public education and programming on ecosystem stewardship
        - Ecosystem impacts were identified as highest risk area for the community, with a high degree of likelihood and potentially irreversible changes expected
    - Building and Infrastructure
        - Concern our infrastructure and buildings are not adequately prepared, and desire for improvements
        - Desire for incentives for adaptation actions on private property
    - Food Security
        - Strong support for increasing local food production and supporting farmers

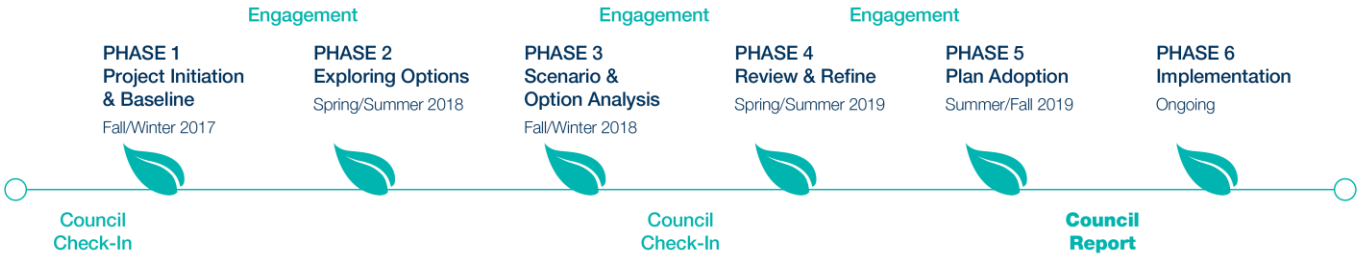
1.0 INTRODUCTION

In October 2017, Council adopted new climate targets for Saanich:

- Become a 100% Renewable Energy Community by 2050
- Reduce our greenhouse gas emissions by 80% below 2007 levels by 2050
- Prepare for a changing climate.

In the same meeting, Council endorsed a Terms of Reference for an updated Climate Plan: 100% Renewable & Resilient Saanich to identify the actions needed to meet the targets. The plan is being developed in six phases, supported by a comprehensive engagement strategy:

Figure 1: Climate Plan Timeline



1.1 Purpose

The engagement strategy is based on the International Association of Public Participation (IAP2) spectrum of public participation, and has been designed to achieve the following goals:

- **Inform** – to provide balanced and objective information that will keep key stakeholders and public up to date and assist them in understanding the issues, problems, alternatives, opportunities and/or solutions.
- **Consult** – to obtain key stakeholder and public feedback on analysis, alternatives and/or decisions.
- **Involve** – to work directly with key stakeholders and the public throughout the process to ensure that their concerns and aspirations are consistently understood and considered as part of the decision making process.
- **Collaborate** – to partner with key stakeholders and the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.
- **Empower** – to provide resources and support for Saanich residents, organizations, and businesses, to take their own climate actions to improve their resilience and reduce their own greenhouse gas emissions, through education, promoting rebates, and the One Planet Saanich initiative.

2.0 ENGAGEMENT APPROACH

To be successful the Plan is being developed using a robust and transparent engagement process, providing opportunities for all residents of Saanich and key stakeholders related to climate mitigation and adaptation, including those who are typically under represented, to increase their understanding of

climate change mitigation and adaptation, gather input, and build excitement and support for the proposed strategies. Effective communication tools are being used to garner interest and participation in engagement events and to let stakeholders and community know their input has been heard and is valued.

2.1 Audience

2.1.1 Project Technical Working Group

A project technical working group has been established and consists of staff from across Saanich departments, technical experts as required, the project consultant, C2MP. The group meets regularly and provides technical expertise and advice in development of the Plan, drawing on best practice research from multiple networks appropriate to their discipline and identifying the synergies and impacts with their departmental projects and priorities. They also support public and key stakeholder engagement, communicate information regarding the Plan back to their departmental team and review reports associated with the development of the Plan. C2MP are providing consultancy support through development and application of a GHG modelling tool to analyse the ability to meet the emissions reductions targets and support strategy development.

In the first three phases of plan development, the technical work and key stakeholder group related to climate mitigation and climate adaptation has been separated to some degree. Although many of the technical working group members and stakeholders are engaged in both the adaptation and mitigation discussion, the discussions have been separated to enable the GHG modelling work to be the focus of the mitigation workshops and climate risk and vulnerability assessments to be the focus of the adaption workshops. The cross-cutting themes between climate mitigation and adaptation, including impacts, opportunities, co-benefits and co-costs are being captured throughout the first phase of engagement and the workshops will be merged in early 2019 once more detailed strategy development is underway.

2.1.2 Key Stakeholder Groups for Adaptation and Mitigation

Two Key Stakeholder groups have been established, for mitigation and adaptation, to input to the plan development. Their responsibility is to provide input and expertise to the Plan development from their specific discipline and to identify potential impacts, synergies and opportunities with other key stakeholders who may have different priorities from their own. A list of Key Stakeholder organizations is provided in Appendix A.

2.1.3 First Nations Engagement

Staff familiarized ourselves with Saanich's current government to government relationship-building work and with the Truth and Reconciliation Commission's recommendations for local governments. This indicated that an approach of relationship building rather than engagement on a specific sustainability project would be of great value. Information about the work of the Sustainability Division and the updated Climate Plan has been shared with the Songhees, Esquimalt, Tsartlip, Tseycum, Tsawout, and Pauquachin Nations in the hope that we may meet should the Nation(s) agree.

2.1.4 Community Members

Community members have been engaged on issues and opportunities, to gather their feedback on the baseline, options, their concerns, aspirations and to incorporate their ideas within the final action plan. Alongside the working group and key stakeholder group, community feedback is critical for informing the final Plan and the process of engagement is key to increasing awareness of climate mitigation and adaptation and building support for the proposed strategies.

2.2 Supporting Projects

Two complementary projects are underway that provide support for development of the updated Climate Plan; the One Planet Saanich project and the ICLEI “Together for Climate” project.

2.2.1 One Planet Saanich

Saanich is one of four global communities joining in a One Planet City Pilot Project, funded by the KR Foundation, along with Durban in South Africa, Oxfordshire in the UK, and Elsinore in Denmark. The project, led by international charity Bioregional and with support from One Earth, a non-profit based in Vancouver, aims to help cities and city-regions grow sustainably and boost health and happiness for their residents.

The project is supporting 13 Saanich stakeholders, including it organizations, in developing their own 'One Planet Action Plan' using the Bioregional Framework. The Bioregional Framework is fully aligned with the vision and goals of Sustainable Saanich and the updated Climate Plan and a key requirement is a commitment to becoming a 100% renewable energy community by 2050. One Planet Saanich is generating input and feedback from the stakeholders that supports the updated Climate Plan development, while ensuring support to the stakeholders for the development of their own individual action plans that help to deliver on the Climate Plan vision and targets. More information can be found at www.oneplanetsaanich.org.

2.2.2 ICLEI Together for Climate

Saanich is one of the successful municipalities participating ir ICLEI Canada’s “Together for Climate” project. ICLEI, a non-profit that specializes in supporting municipalities with climate change planning efforts was awarded two years of funding from the Real Estate Foundation of British Columbia.

The funding will support eight local and regional governments on Southern Vancouver Island develop adaptation strategies through a risk assessment framework, enabling inter-island collaboration on climate adaptation.

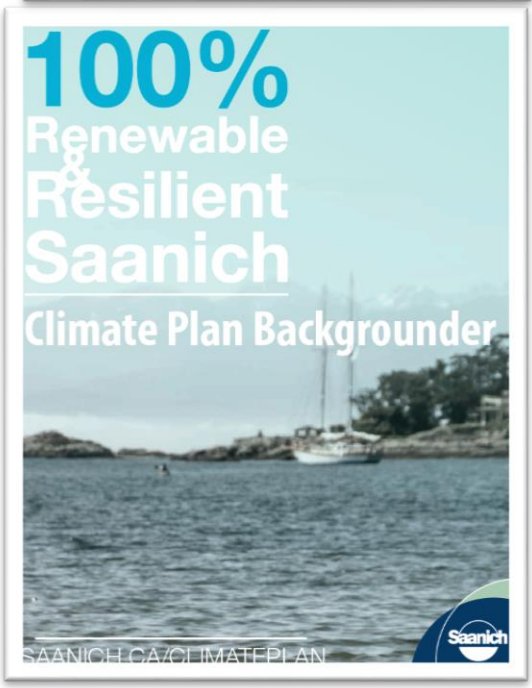
The project supports the updated Climate Plan through the provision of additional technical and advisory services from ICLEI staff, assistance with planning, logistics, delivery and reporting for stakeholder engagement activities, and facilitated networking and knowledge sharing opportunities with other participating local governments.

The “Together for Climate” adaptation work will build on the 2011 Saanich Climate Change Adaptation Plan to develop an updated risk and vulnerability assessment and set of adaptation strategies for Saanich. These will be integrated within the updated Climate Plan: 100% Renewable and Resilient Saanich in 2019.

2.3 Phase 1 Engagement Events & Approach

The first phase of engagement was officially launched with a Saanich Talks Event: Our Community in a Changing Climate in May 2018 and has extended into December 2018 in order to raise awareness and capture input from a large and diverse audience. While this engagement was underway, technical aspects of the updated Climate Plan were in development, including:

- Hiring of a consultant for the GHG modelling
- Baseline community wide GHG inventory
- Neighbourhood level community GHG inventory
- Climate Plan Backgrounder report
- Baseline GHG model and assumptions report
- Business As Usual (BAU) GHG scenario projected to 2050
- Climate Adaptation Risk and Vulnerability assessment
- Updated Carbon Calculator
- Equity framework for Climate Plan evaluation



2.3.1 Purpose of Phase 1 Engagement

The purpose of the first phase of engagement was to receive input on key themes, issues, opportunities and potential actions related to climate change from the technical working group, first nations, key stakeholders and community members.

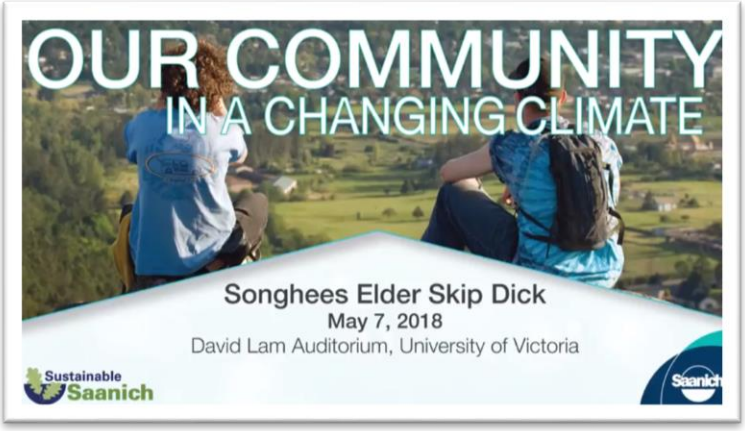
2.3.2 Methods of Engagement

Several methods of engagement were used, informed by the IAP2 spectrum of public participation. These included:

- **Project Website** - development of a project website www.saanich.ca/climateplan to provide

access to information about the project, key reports and ways to be engaged.

- **Climate Plan Backgrounder & other background material** – development of a summary report providing an overview of the project, information on key themes and local best practice examples. Other material included posters, flyers and business cards to provide individuals with a quick link to the climate plan website and survey. These were handed out at events, sent to key stakeholders to distribute and posted at our key facilities.
- **Saanich Talks Events** – a series of Saanich Talks events linked to our community and climate change were held with a panel of speakers providing presentations and opportunity for discussion and question time with the audience.
- **Survey** – development of an online and paper copy survey to gather feedback from the community through this first phase of engagement.



- **Prize Draw –** those who completed the online and aper survey or signed up to the Climate Quarterly or Climate Plan e-newsletter had the ability to enter a free prize draw to win $500 worth of local bike shop gift vouchers.
- **Climate Quarterly e-Newsletter and Climate Plan e-Newsletter –** re-established in Spring 2018 the Climate Quarterly has over 500 members and provides information about climate change news and events in our region. A separate Climate Plan e-Newsletter was also established for those wishing to receive specific information about the updated Climate Plan. Information regarding the Climate Plan was also included in a mail-out to 'Our Backyard' members (over 500 people) as well as multiple issues of the web-based newsletter in 2018.
- **Media & Advertising** – both paid and free advertising were used to raise awareness of the project and ability for individuals to be engaged. Examples included media releases, newspaper articles, radio and newspaper adverts, social media posts, paid social media adverts, updates to our website and provision of information on other organization websites. There were also several on-camera interviews related to the project, including Change the World with Guy Dauncey on Shaw TV, Creating a One Planet Community special Live-stream Event and the Creatively United Sustainability Solutions Series, again on Shaw TV.

- **Festivals & Events** –key Saanich and regional festivals and events were attended with our staffed Climate Plan stall, which included copies of the Climate Plan Backgrounder and survey, a 'Why do we need to Act on Climate Change?' ideas board, a 'Ways to Address Climate Change?' ideas board, climate engagement games and kids' activities, information on available building energy retrofit and EV rebates and other ways to get engaged.

- **Recreation Centre & Facility Displays** – were established at each of the recreation centres for set periods over the summer where centre customers could view information on the plan and complete the survey.
- **Engaging on Transit** – staff rode several key transit routes in Saanich to discuss the climate plan with transit passengers and gain feedback and input through discussion or completion of the survey while passengers made their trips.

- **One-on-one meetings & presentations** – presentations were made to a variety of stakeholder groups, community organizations, school and university classes and support provided to several student projects focused on climate change in the region. In addition, multiple one-on-one meetings were held with individual groups, particularly for organizations with limited time and resources to be engaged via different methods.
- **Emails and phone calls** – were made to key stakeholders and interested organizations or individuals wanting more information.
- **Public & Key Stakeholder Open Houses & Workshops** – were held in late November and early December 2018 to enable individuals the opportunity to provide feedback through a structured and interactive series of workshop sessions using both the GHG model and the climate adaptation risk and vulnerability framework. Members of the public also had the opportunity to view information boards, discuss issues with staff, and participate in the survey.

- **Project Technical Working Group Meetings** – a series of meetings were held with the project technical working group to scope the GHG model, input to the climate mitigation and adaptation baseline and develop engagement materials through this phase of the plan development.
- **Integration with Local Area Planning (LAP)** – climate plan information has been incorporated within the two LAPs currently in development and has included background material specific to the Cadboro Bay and Cordova Bay communities and attendance at key LAP workshops and open houses.

2.3.2 Phase 1 Engagement Events

Over 1,700 individuals have been engaged at 28 key events throughout the late spring, summer and fall 2018 on the Plan development. These events included everything from panel discussions with key speakers, to presentations at schools and community associations to hosting our climate stall at festivals and community events. Key information shared with event attendees at these events included:

- Climate Plan Backgrounder
- Climate Pan Survey
- Business Card with link to the climate webpage
- Information on building energy retrofit and EV rebates
- Discussion boards for input at the event

The key Phase 1 engagement events are outlined in Table 1.

Table 1: Key Phase 1 Engagement Events

Event	Date	Involvement	Approximate Attendees/ # Engaged
Saanich Talks: Building Community	21 March 2018	Host & Stall	120
One Earth Living Conversation	12 April 2018	Presentation	30
Saanich Cycling Festival	22 April 2018	Stall	60
SCAN: Saanich Community Association Network	2 May 2018	Presentation	14
Saanich Talks: Our Community in a Changing Climate	7 May 2018	Host & Presentations	120
North Quadra Community Night	24 May 2018	Presentation	250 / 21
Car Free Day	17 June 2018	Stall	40,000 / 161
One Planet Saanich: Integrator Training	19 June 2018	Host & Presentation	30
One Planet Saanich: A Story Telling Evening with Pooran Desai	20 June 2018	Host & Presentation	40
One Planet Saanich: Stakeholder Breakfast	21 June 2018	Host & Presentation	17
Mt. Tolmie Community Association AGM	23 June 2018	Presentation	65 / 16
Gorge Canada Day Picnic	1 July 2018	Stall	10,000 / 210
Strawberry Festival	8 July 2018	Stall	2,000 / 102
Uptown Climate Stall	19 July 2018	Stall	64
Gordon Head Recreation Centre Staffed Stall	20 July 2018	Stall	68
Cadboro Bay Festival	12 August 2018	Stall	71

Event	Date	Involvement	Approximate Attendees/ # Engaged
Camosun College Student Orientation Week	10 Sept 2018	Stall	80
UVic Week of Welcome	11 Sept 2018	Stall	62
Chinese Seniors Drop-In Group – Gordon Head Recreation Centre	19 Sept 2018	Presentation	38
Gorge Park Community Gardens Fall Celebration	23 Sept 2018	Stall	40
Claremont School – Grades 9-12	2 Oct 2018	Presentation	130
Gorge Tillicum Community Association	4 Oct 2018	Presentation	8
Smart Mobility Expo – South Island Prosperity Group	16 Oct 2018	Stall	600 / 25
Key Stakeholder Workshop – Climate Mitigation/ GHG modelling	20 Nov 2018	Workshop	66
Public Open House & Workshop – Climate Mitigation & Adaptation	29 Nov 2018	Open House/ Workshop	190
Public Open House & Workshop – Climate Mitigation & Adaptation	1 Dec 2018	Open House/ Workshop	
Key Stakeholder Workshop – Climate Adaptation Risk & Vulnerability Assessment	4 Dec 2018	Workshop	32
Claremont School Climate Workshops (adaptation and mitigation)	10 and 15 Jan 2019	Workshops	52

3.0 RESULTS

3.1 Response Rate

Table 2 provides a summary of response rates to the key Phase 1 engagement opportunities.

Table 2: Phase 1 Engagement Response Rate Summary

Project Phase 1	Response Rate
Number of key engagement events	28
Number of people actively engaged in Phase 1 climate discussions at these events	Over 1700
Number of comments/stickies on engagement boards at events	639
Number of surveys completed	945
Number of attendees at the Stakeholder Mitigation Workshop	66
Number of attendees at the Stakeholder Climate Adaptation Workshop	32
Number of attendees at the Claremont School Workshops	52
Number of attendees at public open houses and workshops	190
Number of letters/email correspondence received from stakeholders and the public	13

3.2 Engagement Board Feedback

Three engagement boards were used at key events in Phase 1 engagement:

1. **Why Act on Climate Change?** – this board outlined several reasons for acting on climate change and provided space for additional reasons to be added. Members of the public could indicate which reasons were important using sticky dots (Table 3). Feedback from this board provided staff with an understanding of community values as they relate to climate change and what actions and key messaging may therefore be most important for projects and programs moving forwards.
2. **'Ways to Address Climate Change'** – this ideas board provided members of the public with the opportunity to write ideas for addressing climate change on sticky notes. There were 4 key theme areas, transportation, buildings, food/consumption/waste and other and two types of sticky notes, one identifying what the individual would do, and the second identifying what the District of Saanich should do (Table 4).
3. **"How do you feel about climate change and climate action?" –** this interactive board was available during the Public Open House Nov. 29 and Dec. 1 2018 and asked participants to

share their feelings when thinking about climate action in our community, with the following prompts:

- What are your fears about climate change?
- What makes you angry about climate change?
- What are your hopes about climate change?
- What do you love that you want to protect from climate change?

Table 3: Public Feedback – 'Why Act on Climate Change?' Engagement Board

Reason for Acting on Climate Change	# Sticky Dots
Protecting ecosystems	43
Health & Well-being	31
Protecting the next generation's quality of life and opportunities	28
Safety and self-reliance	15
Economic Development	11
Cost savings	7
Comfort and convenience	2

Table 4: Public Feedback – 'Ways to Address Climate Change?' Engagement Board

Key Ideas for Saanich (*by most responses*)	Key Ideas for Individuals *(by most responses)*
Transportation	
• Improve public transit • Improve pedestrian experience • Promote/incentivize/adopt EVs, Ebikes & E-buses • Improve EV charging access • Improve bike infrastructure • Other (see Appendix C) • Regulate parking/land use • Enact demand management plans • Land use for compact, complete communities • Carsharing/car pooling • Multi-modal • Other Zero emission vehicles • Lower speeds	• Cycling • Electric vehicle • Driving less • Carpooling • Walking • Taking the bus
Buildings	

Key Ideas for Saanich (*by most responses*)	Key Ideas for Individuals *(by most responses)*
• Increase energy efficiency • Increase solar energy production • Increase density, build tiny homes & garden suites • Improve affordability • Other (see Appendix C) • Increase renewable energy use (other than solar) • Natural assets (e.g. green roofs/walls, rain gardens) • Facilitate EV charging • No wood burning (protect air quality) • Faster development process • Water (rainwater harvest, grey water, permeable surfaces, etc.)	• Improve the energy efficiency of my home • Use solar panels • Conservation • Renewable energy (other than solar)
Food, Consumption & Waste	
• Ban single use plastics • Support local food production • Other (see Appendix C) • Provide recycling for a wider range of products/easier recycling and composting • Ban/support reduction of restaurant/retail food waste • Promote eating less meat and dairy • Develop Renewable Natural Gas from organic waste • Increase waste costs • Provide fun and/or improved education	• Reduce waste • Plant-based diet • Grow food and support local food production • Other (see appendix Appendix C)
Other	
• Commit to renewable energy • Conserve and enhance biodiversity • Stop using fossil fuels	• Planting native species • Reduce destruction of trees/natural areas

Table 5 "How do you feel about climate change and climate action?" Engagement Board

How do you feel about climate change and climate action?	# Comments
What are your fears about climate change?	13
What makes you angry about climate change?	23
What are your hopes about climate change?	10
What do you love that you want to protect from climate change?	16

See Appendix C for details on comments received.

3.3 Summary Survey Results

The Climate Plan survey was launched on Car Free Day, June 17, 2018 and closed on December 7, 2018, following the public open houses and workshops. The survey consisted of 37 questions. All survey results are reported in detail in Appendix C. A copy of the paper survey is included as Appendix B.

The survey was open to residents, workers and visitors to Saanich, it covered questions on both climate mitigation and adaptation and included specific questions on the key theme areas of transportation, buildings, consumption, food, and waste. The survey was intended to get an understanding of the public's current knowledge of climate change, their interest in Saanich taking climate action as well as what they are doing as an individual, the issues and opportunities associated with climate action and where individuals would like action to be prioritized. Respondents were encouraged to review the Climate Plan Backgrounder prior to completing the survey and links to the specific backgrounder sections were provided at relevant locations in the survey.

Paper and online surveys were available, and 945 surveys were completed (additionally, 70 respondents answered "no" to the first privacy question online and are not included in this total). There was good participation from Saanich residents (owners and renters), and representation for each age range, as well as household income, with 92% of respondents either living in Saanich or regularly visiting Saanich for other reasons such as work, school recreation, visiting friends and family, errands etc.

3.3.2 The Importance of Climate Action to address GHG Emission Reduction

93% of respondents indicated that it is either very or somewhat important that Saanich take action to reduce GHG emissions in District operations and in the community and 94% of respondents indicated that they are currently taking either a lot or little action to reduce their own GHG emissions.

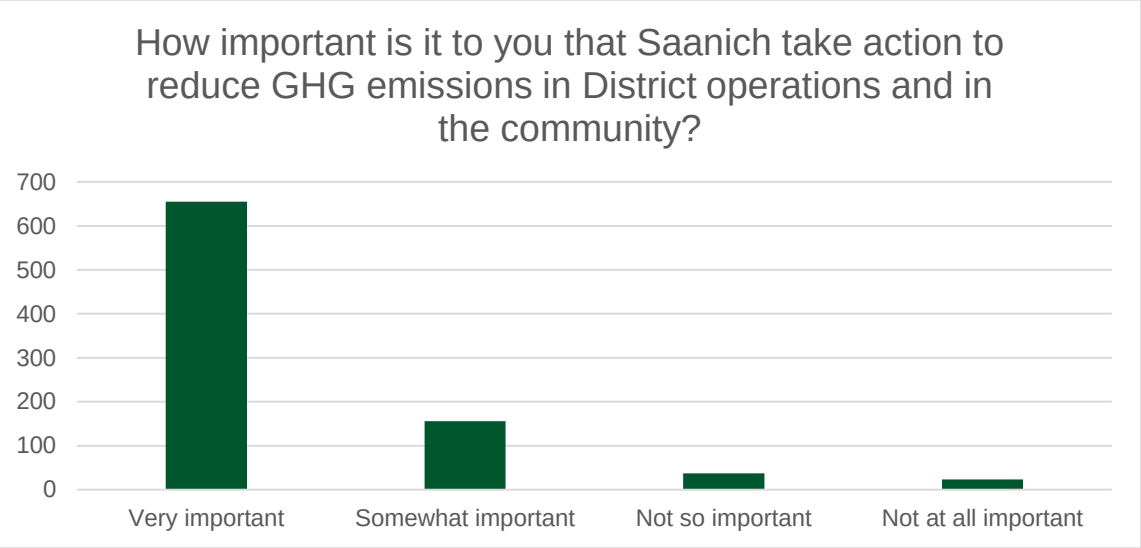


Figure 2: Importance of Saanich municipal climate action

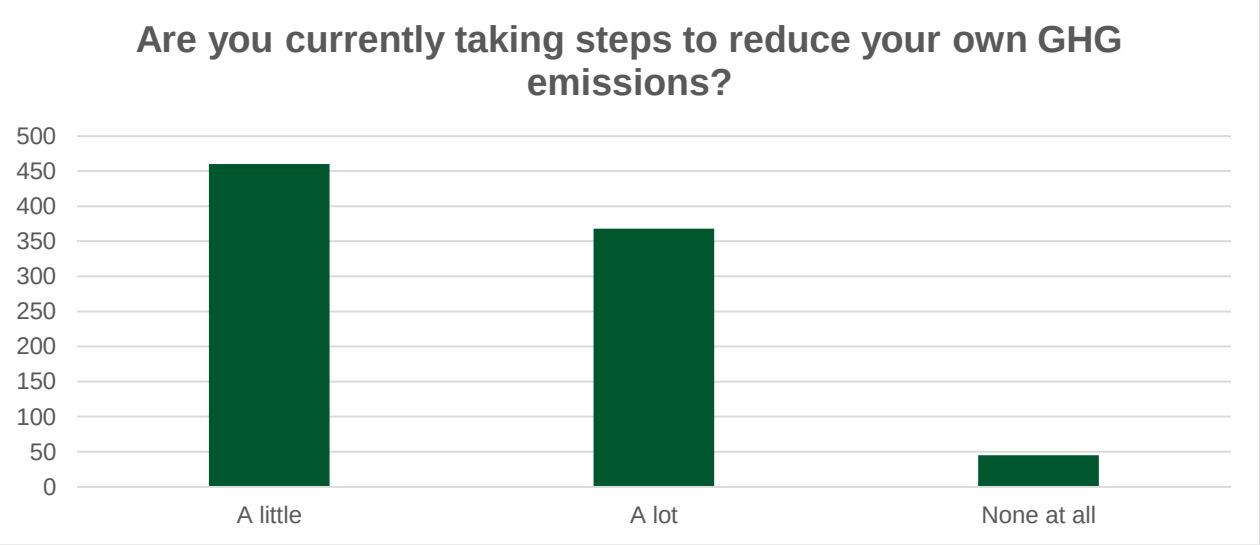


Figure 3: Personal climate action levels of survey respondents

Survey respondents wish Saanich to prioritize climate actions in active transportation, consumption and waste and Electric Vehicle (EV) adoption and their preferred approaches are through municipal regulation, policies and standards followed by rebates and incentives as well as education.

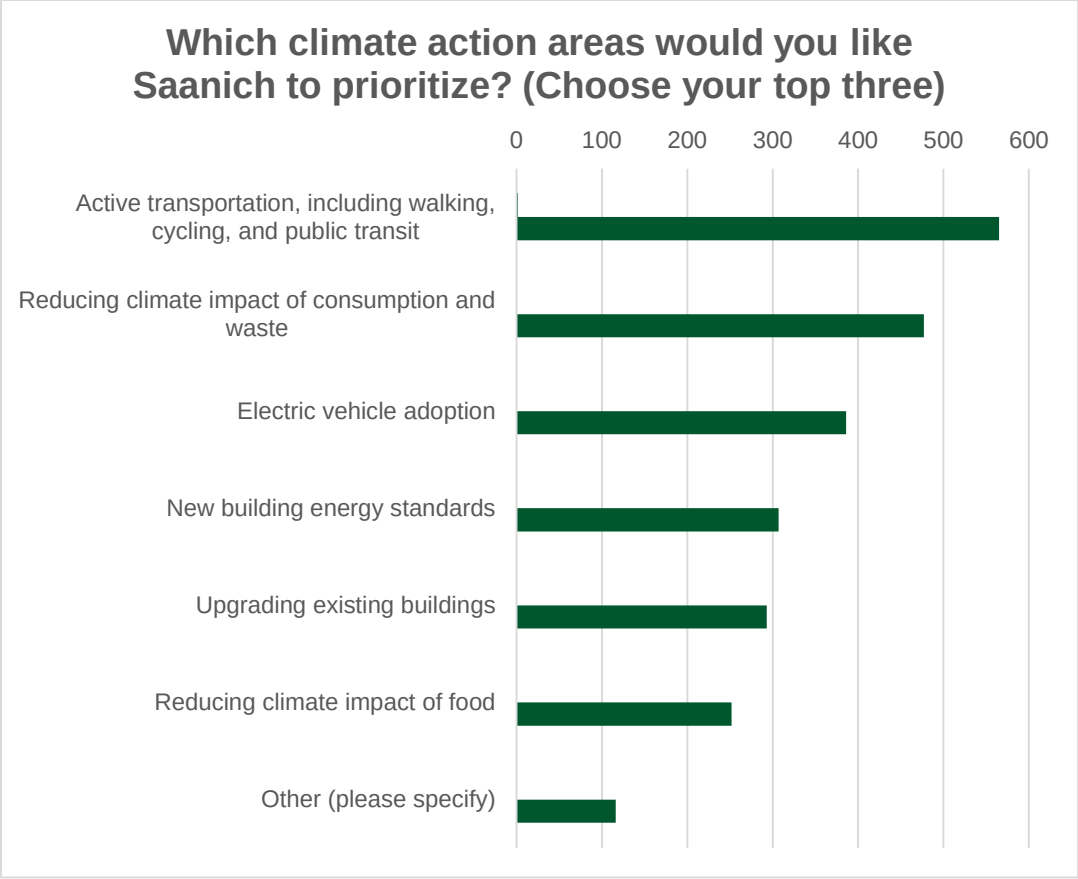


Figure 4: Priority Climate Action Areas

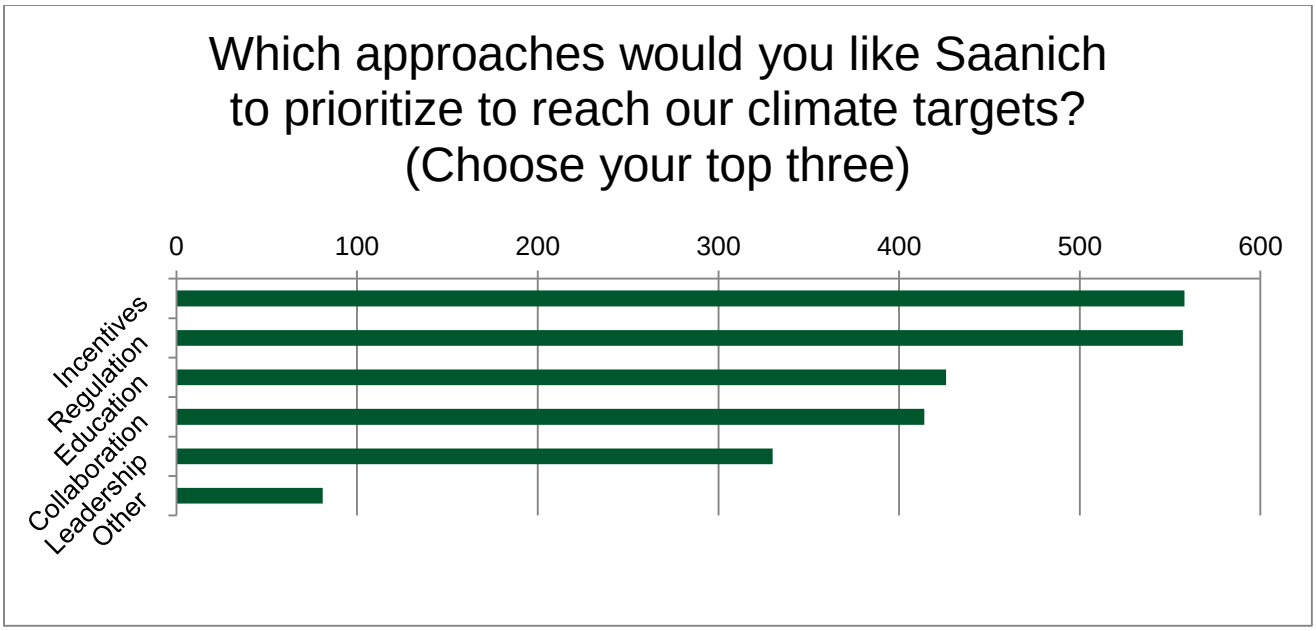


Figure 5: Priority approaches for climate action

Climate Action Approaches Respondents would like Saanich to Prioritize

Respondents also provided feedback on the co-benefits of taking action to address climate change, with nearly half of responses identifying health and well-being and protecting ecosystems as being the most important co-benefits. This assists staff in identifying actions that maximize those specific co-benefits for the community when developing the Climate Action Plan.

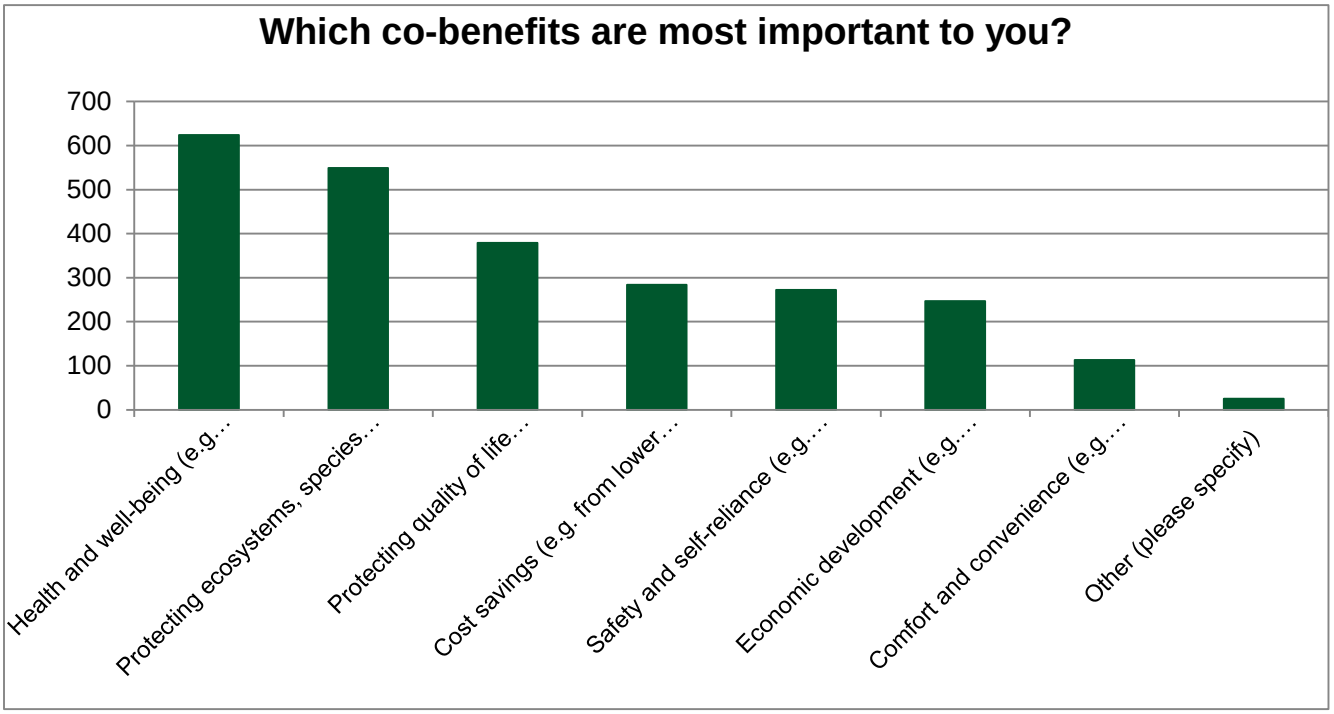


Figure 6: Co-benefits to acting on climate change

Although many respondents had no concerns when asked an open-ended question about their concerns for reducing our GHG emissions and transitioning to renewable energy, most respondents indicated their concern that efforts were not fast enough, effective enough, or that there was enough will or enforcement for such an urgent challenge.

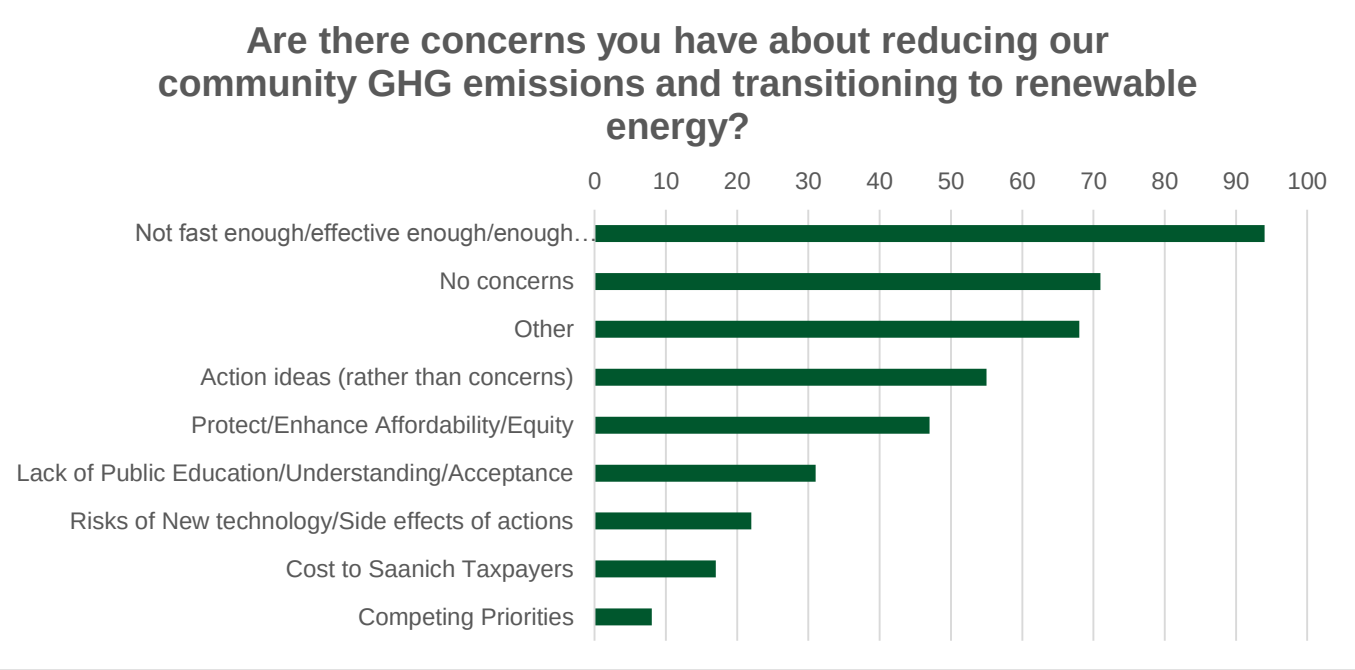


Figure 7: Concerns about reducing our community GHG emissions and transitioning to renewable energy

3.3.3 Climate Change Projections for our Region & Climate Adaptation Action

When asked whether respondents had experienced any climate changes while living in the region, most indicated stress on plants or wild animals in their neighbourhood due to weather and uncomfortably hot temperatures in their home during summer months. The top two “Other” responses were smoke/air quality issues from wildfires, and specific ecosystem or species impacts.

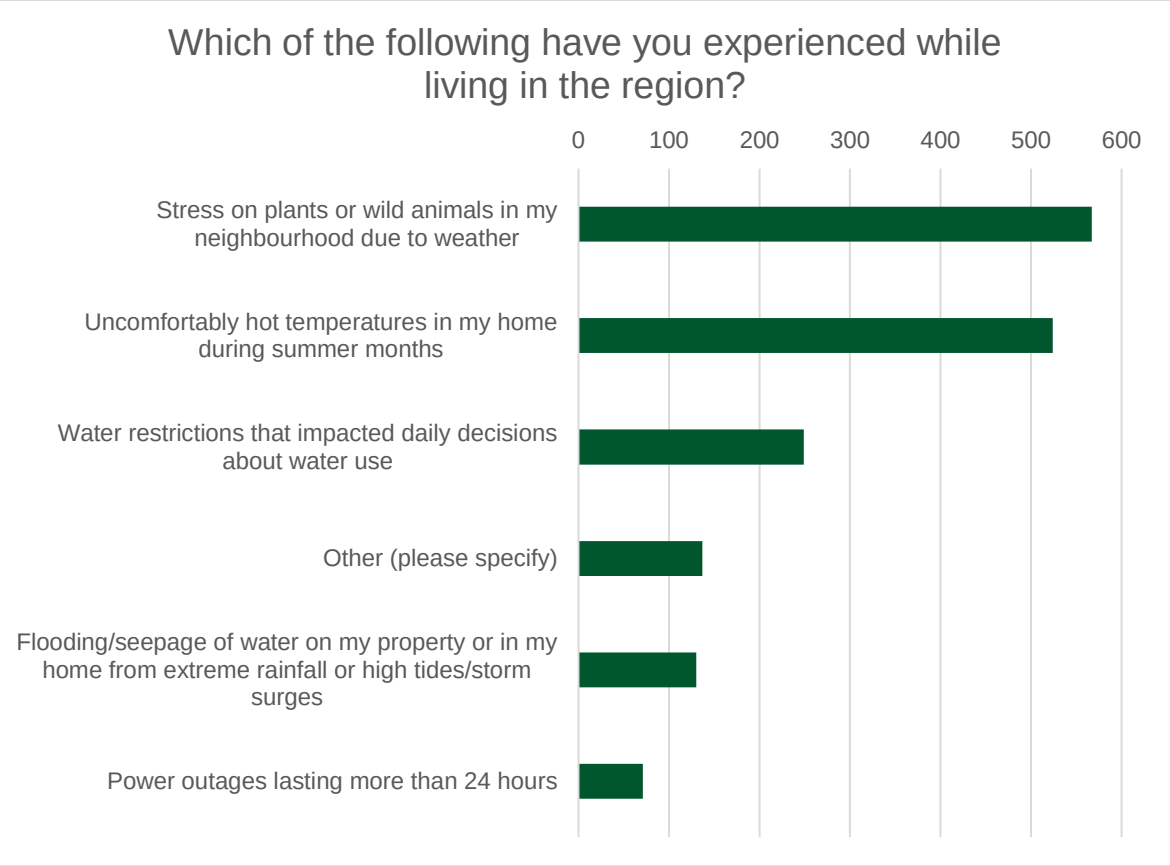


Figure 8: Climate Changes experienced while living in the Region

91% of respondents indicated that they were either ‘very’ or ‘somewhat informed’ about how climate change will impact our community. Despite this, the top action that respondents requested Saanich take to help them become resilient to climate change and extreme events was education. This was followed closely by climate mitigation actions and then protect/enhance natural areas/assets or be

careful with or limit development/paved areas.

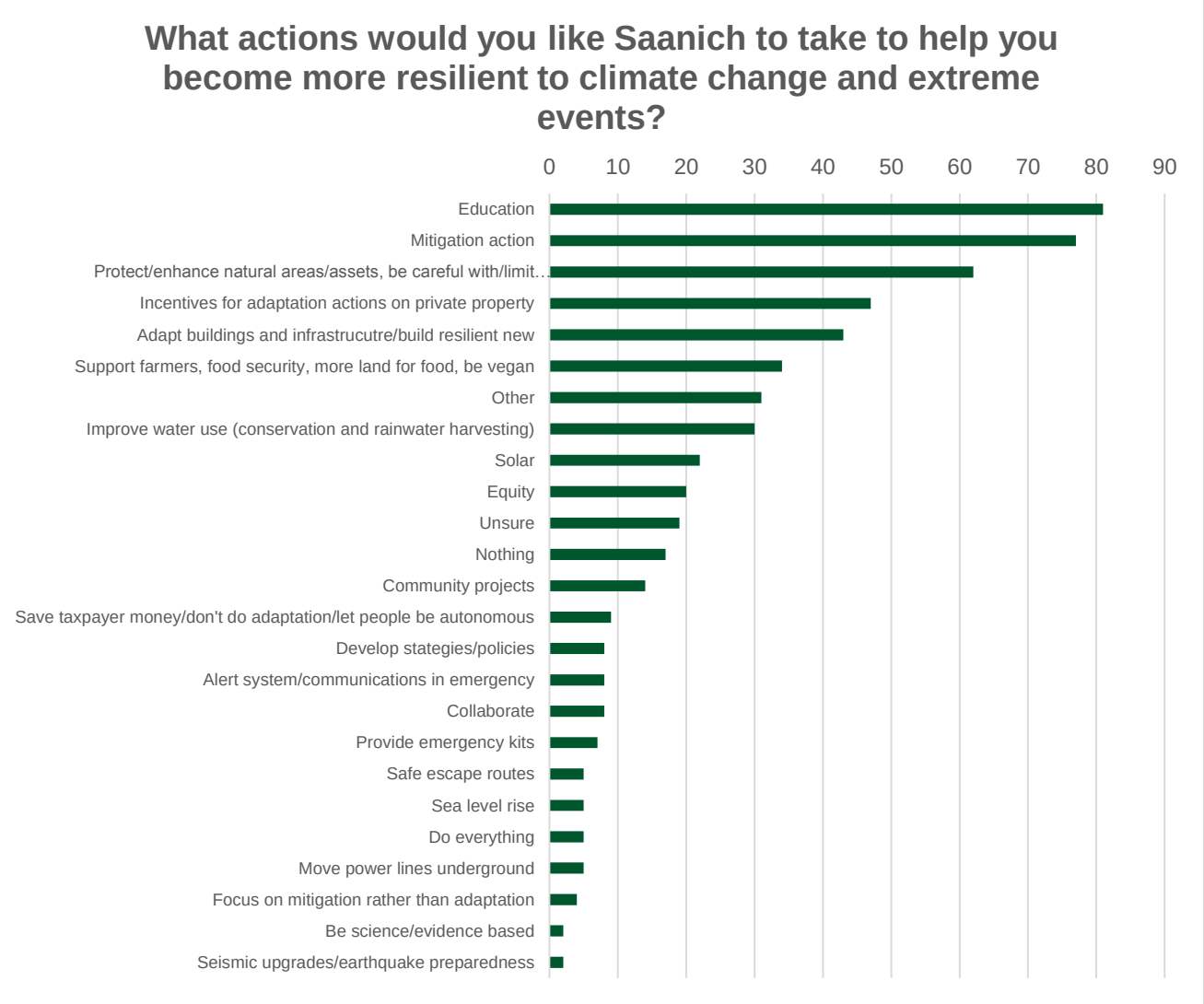


Figure 9: Adaptation support priorities for residents

3.3.4 Survey Questions on Transportation

When asked for their primary mode of transportation with only one option available for answer, 44% of respondents replied “individual driving,” 21% were transit users, and 21% were bicyclists. This mode share split among survey respondents is more skewed towards active transportation than the District of Saancih as a whole. Of the 7% who replied ‘other,’ most did so in order to provide multiple options for their primary mode or to specify that they drive an EV. This is a clear indication that many individuals change their mode of transportation dependent upon factors such as weather and season or wished to identify themselves as car drivers but utilizing a renewable source of fuel.

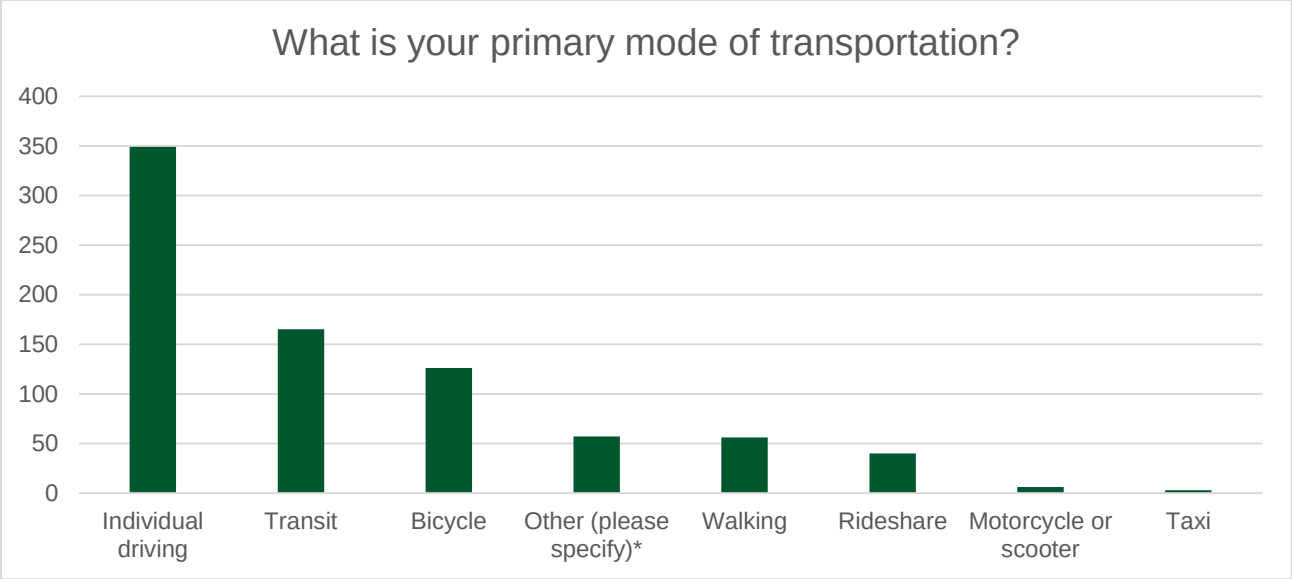


Figure 10: Transportation Modes of Respondents

For those who travelled primarily by individual driving, transit improvements followed by cycling improvements were the key actions that would help those individuals choose active transportation options (Figure 11).

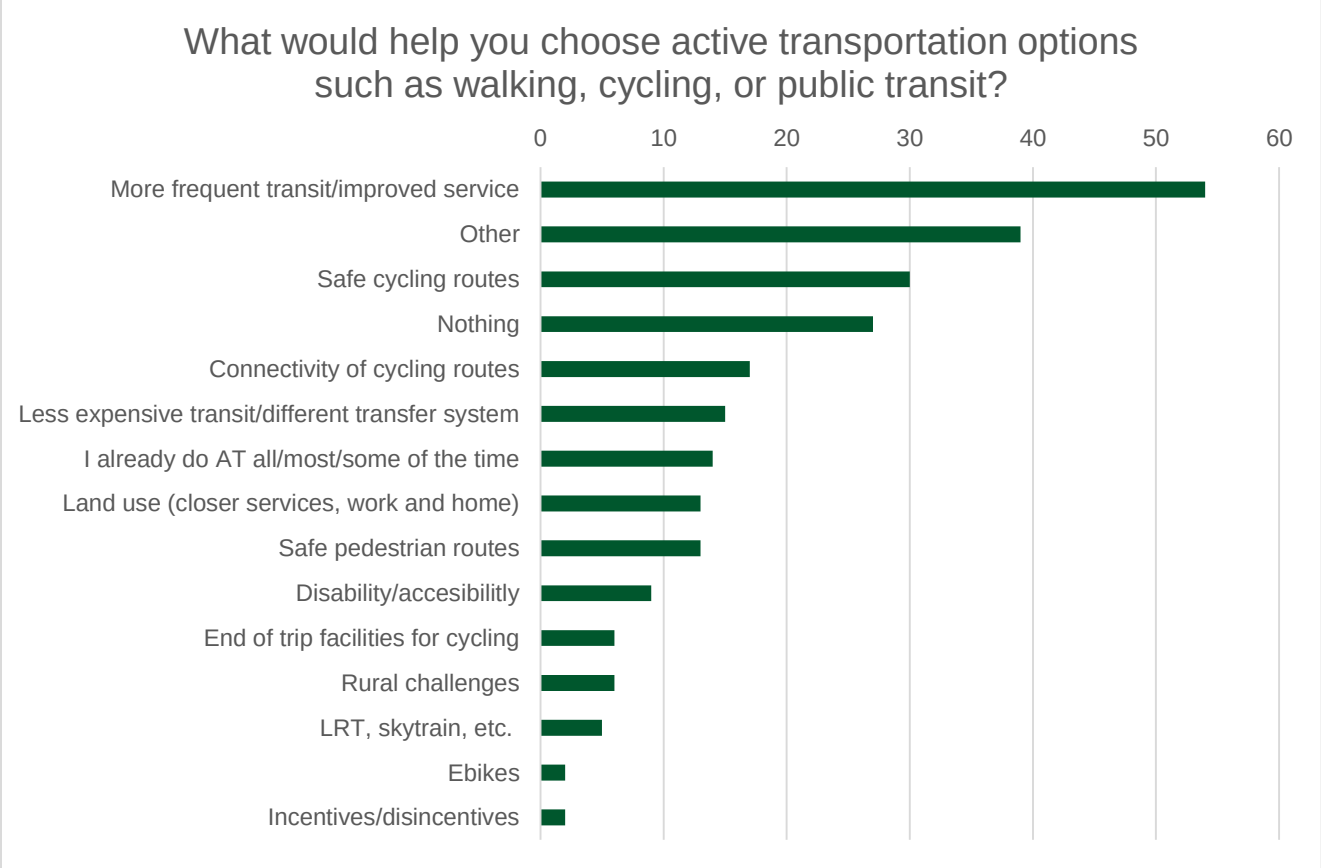


Figure 11: Actions that would help individual drivers chose Active Transportation

67% of respondents that planned to purchase a vehicle in the future indicated that their next vehicle was either ‘very likely’ or ‘somewhat likely’ to be electric. For those unsure about purchasing an EV, ‘help with upfront purchase costs’, ‘more public charging’, ‘longer range’ and ‘charging equipment at home’ were the main answers that would help respondent to choose an EV.

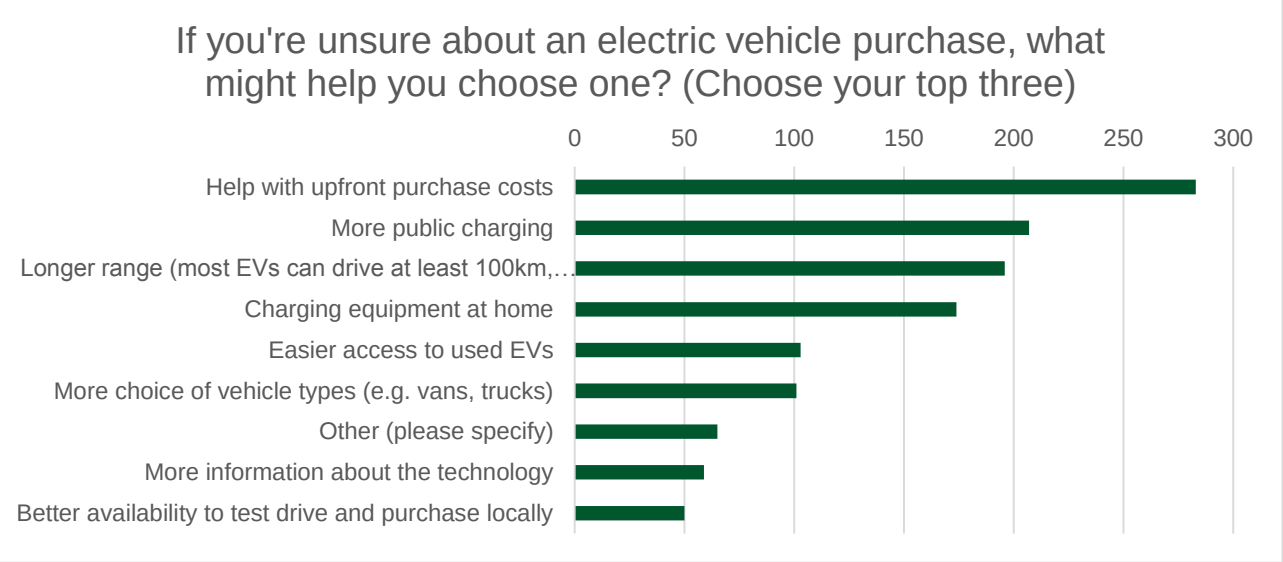


Figure 12: Priority Supports for EV Purchases

3.3.5 Survey Questions on Homes and Buildings

Most respondents (425) were Saanich homeowners, with 189 respondents indicating they were renters in Saanich.

Renters

When renters were asked how energy efficient their homes were, only 16% of respondents indicated their home was ‘above average’ or ‘far above average’ with 26% indicating their home was ‘below average’ or ‘far below average’ and 20% who ‘don’t know.

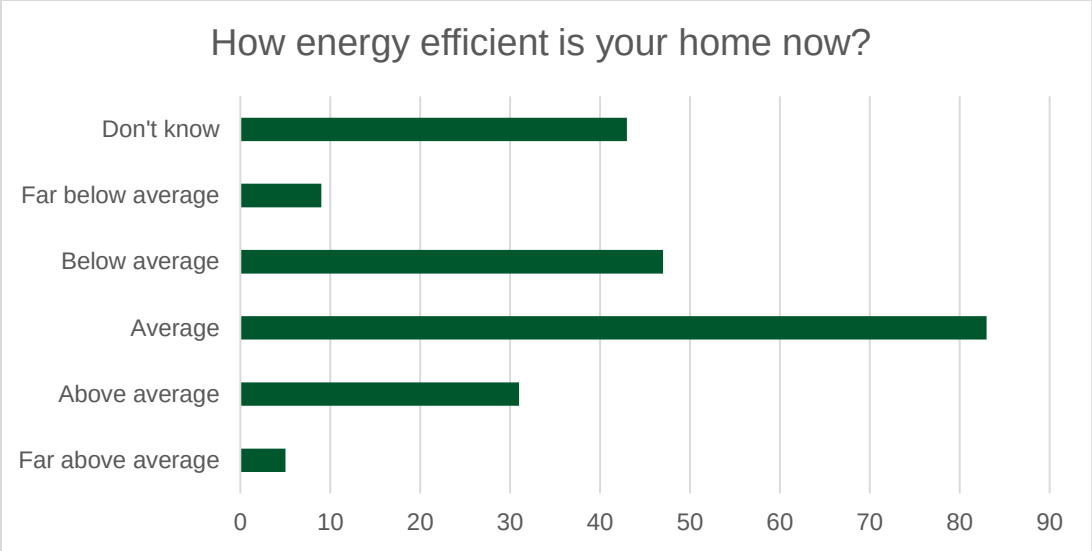


Figure 13: Perceived efficiency of rental homes

When asked what might improve the energy efficiency of their home, most renter respondents indicated incentives for landlords to complete upgrades or ensuring that new rental buildings are built with high energy efficiency standards.

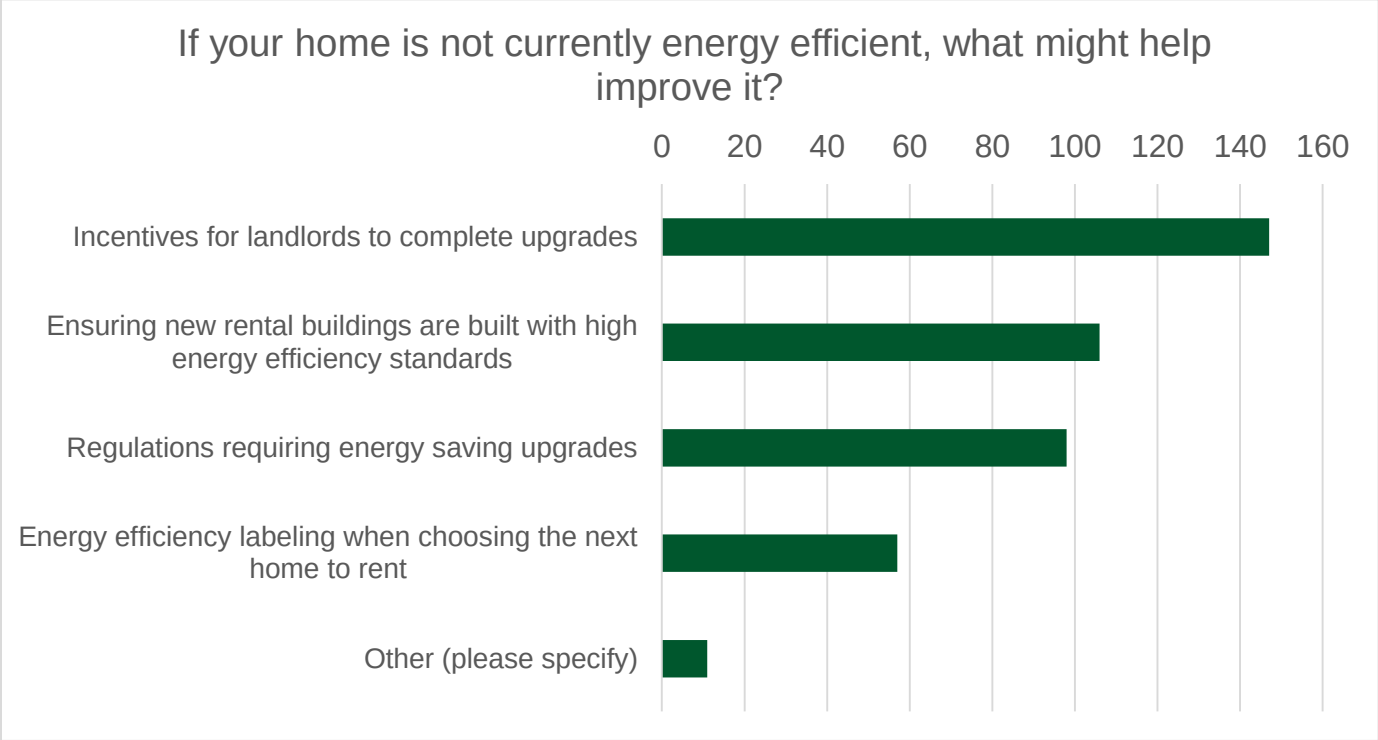


Figure 14: Actions that would improve Energy Efficiency of Rental Homes

Home Owners

Over half of home owner respondents indicated that they would be doing home renovations within the next 5 years and, of these, over 80% of respondents indicated that they would consider energy efficiency improvements or climate adaptation as part of that upgrade.

50% of home-owner respondents using non-renewable energy at home indicated that they would be 'very likely' or 'likely' to switch to renewable energy in the next 5 years. When asked what would encourage them to switch to renewable energy, the primary answers were 'help with upfront costs' and 'help with keeping operating costs low.'

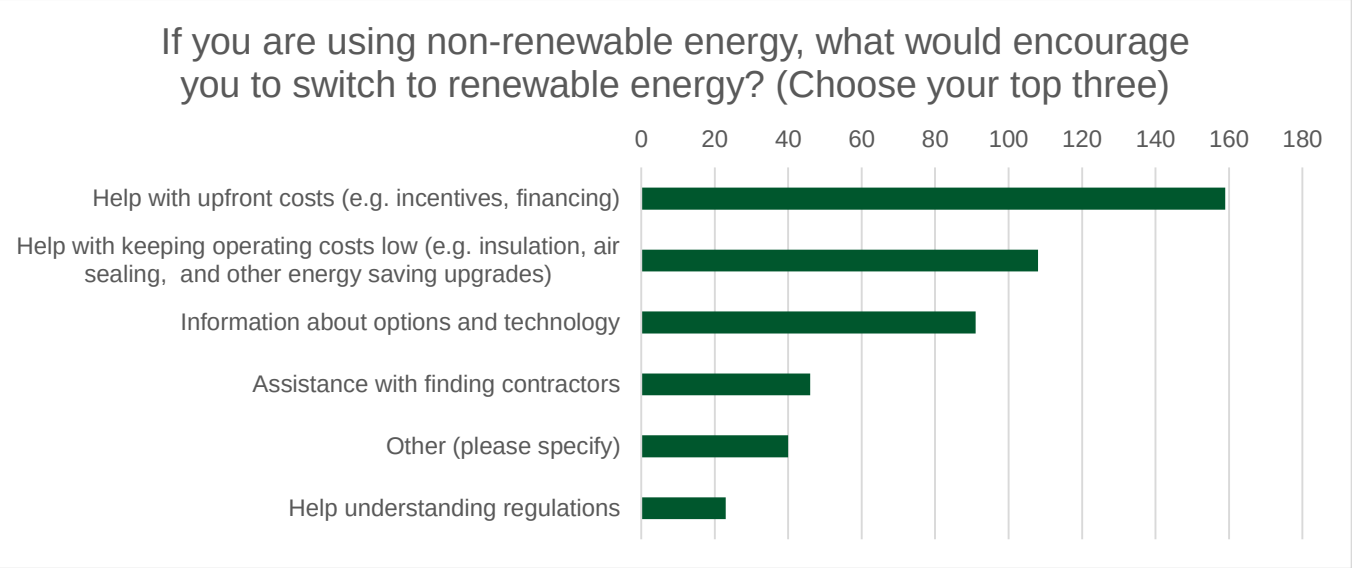


Figure 15: Actions that would encourage home owners to switch to Renewable Energy

3.3.6 Survey Questions on Food, Consumption and Waste

73% of respondents indicated it is either 'very important' or 'somewhat important' to consider the climate impact or GHG footprint of their food choices, whereas this increased to 89% of respondents when considering the climate impact or GHG footprint of the goods and services they purchase. Only 21% of respondents indicated that they were 'not so familiar' or 'not at all familiar' with the climate impact of different food choices.

Respondents were informed that food waste can impact both costs and the climate (links were provided to additional information in the Climate Backgrounder online) and were then asked what might help reduce food waste at home. Figure 16 outlines the key actions identified by respondents to help reduce food waste at the home. Albeit many respondents indicated they already minimize food waste reduction, the key actions to assist food waste were to buy less or ability to buy in smaller quantities and better planning.

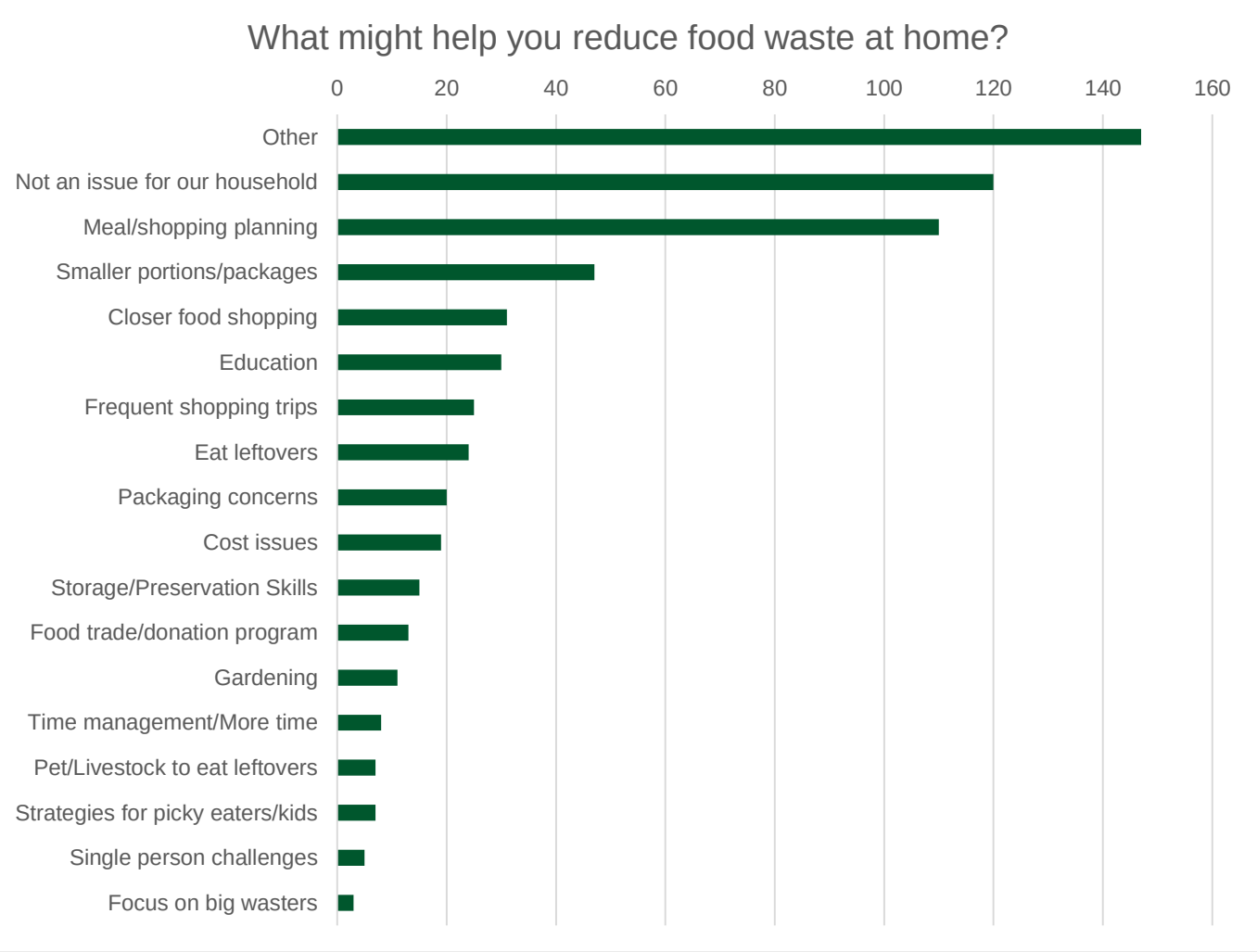


Figure 16: Key actions to assist in reducing Food Waste at Home

Figure 17 outlines how respondents primarily dispose of food waste at home currently, which demonstrates considerable use of the municipal greener garbage program.

Figure 17: How Respondents primarily dispose of Food Waste at Home

When informed that 21% of landfill waste at Hartland is organics and asked what would assist them with diverting more of their food waste and other organics from the landfill, majority of respondents indicated that they already composted most or all of their food waste. Of the actions provided, most related to access to composting facilities in their home (apartments where this is not provided), workplace or in public places, followed by improved education and better composting facilities at home.

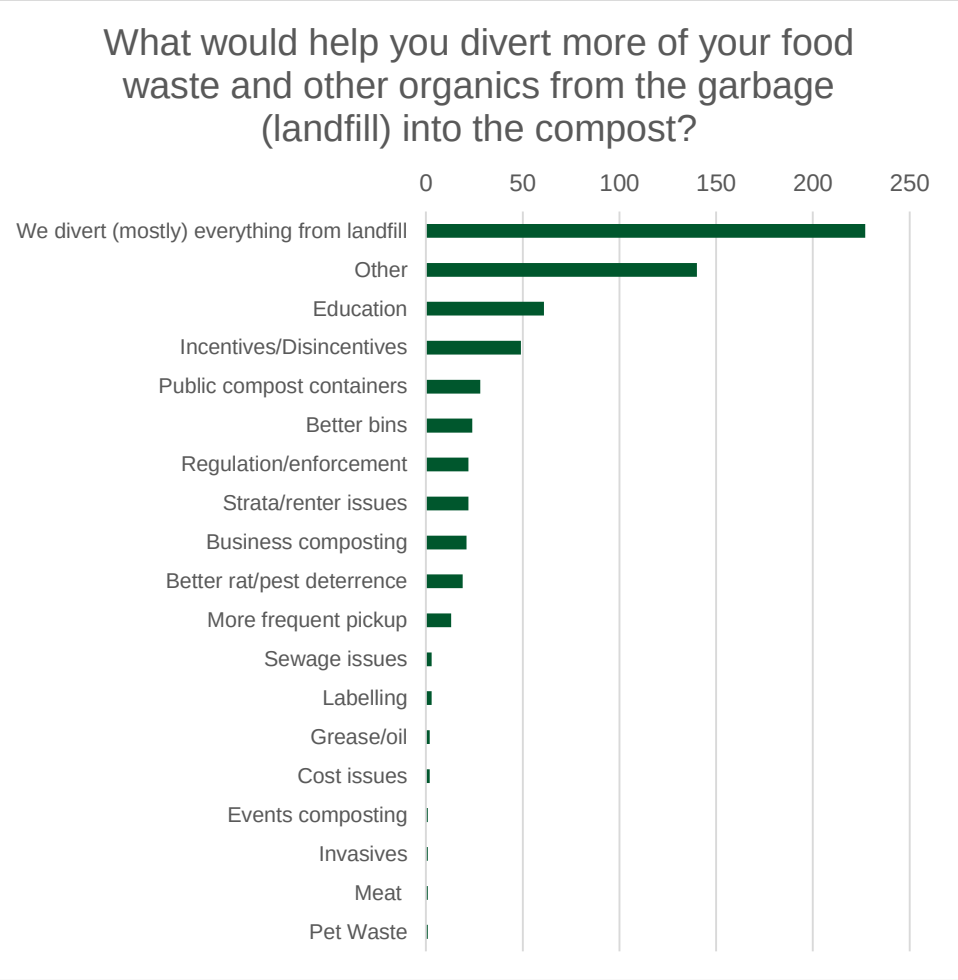


Figure 18: Key actions to assist in reducing Food Waste at Home

3.4 Key Stakeholder Workshop & Open House Feedback

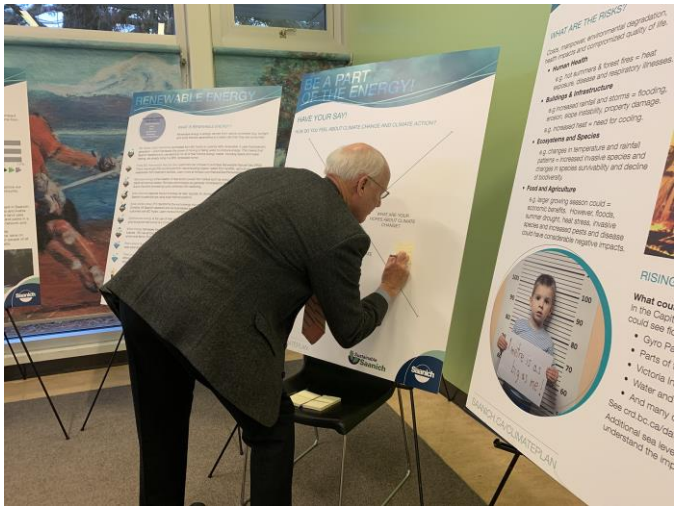
3.3.1 Public Open Houses

Two Public Open Houses were held at Gordon Head Recreation Centre, one on November 29th and one on December 1st, 2018. Visitors were invited to:

- read the information boards
- speak with Saanich staff
- comment on the interactive boards (results reported on in Engagement Board Feedback section above)
- sign up for adaptation and mitigation workshops
- complete surveys and feedback forms
- learn about rebates and assistance to shrink their climate impact at home and on the road
- tour the renewable energy upgrades at the facility, including the new heat pump and electric vehicle charging stations.
- children's activities were provided
- Students from University of Victoria Environmental Studies program attended and provided feedback to Saanich staff as a class assignment.

Open House Feedback

- "You make me so glad to be living in Saanich with your innovative plans and youthful exuberance. Hope our New councilors will pass all your suggestions way beyond 2100 let alone 2050. "
- "Excellent! A lot of good stuff. Very helpful. "
- "In your posters, why do you continue to use a photo of an inefficient heat pump that does not work below 0 degrees C? Display high efficiency models, some of which operate to -30C. "
- "All employees should be given time to participate in community climate plans/workshops/open houses (like time off to vote)."
- "Thank you for providing childcare (they were great!) so that I could participate in the workshops today- Huge difference to a mom."



- “Good community engagement- Saanich has been sustainable for a long time. Recognition of "sustainable Saanich" Vic Derman and others would be appreciated. First Nations territory- thousands not hundreds of years (in climate mitigation workshop introduction). We're not re-inventing the wheel. What are other similar communities doing? What is successful? Huge expert knowledge exists in the community- tap into it. Provide financial incentives e.g lower property taxes for tree planting, heat pumps. Thanks for the food and drink. Time for the bigger picture/regional solutions (CRD workshops for the whole area). Time for less talk, more action, less money on middlemen consultations. Make use of UVic resources and talent. Something concrete and visual makes more of an impact. For example, if we could see a sustainable house built on Saanich municipal land with solar, heat pump, net metering, ev charging, good insulation, landscaping, grey water sustainability, we could se with our own eyes. Do this in conjunction with the trades programs at Camosun or the local high schools. Kids would learn about future technology. It would increase jobs in the area. Similar model to Habitat For Humanity. You could even have entrance by donation. People have heard the talk- Time for action.”

3.3.2 Public and Stakeholder Mitigation Workshops

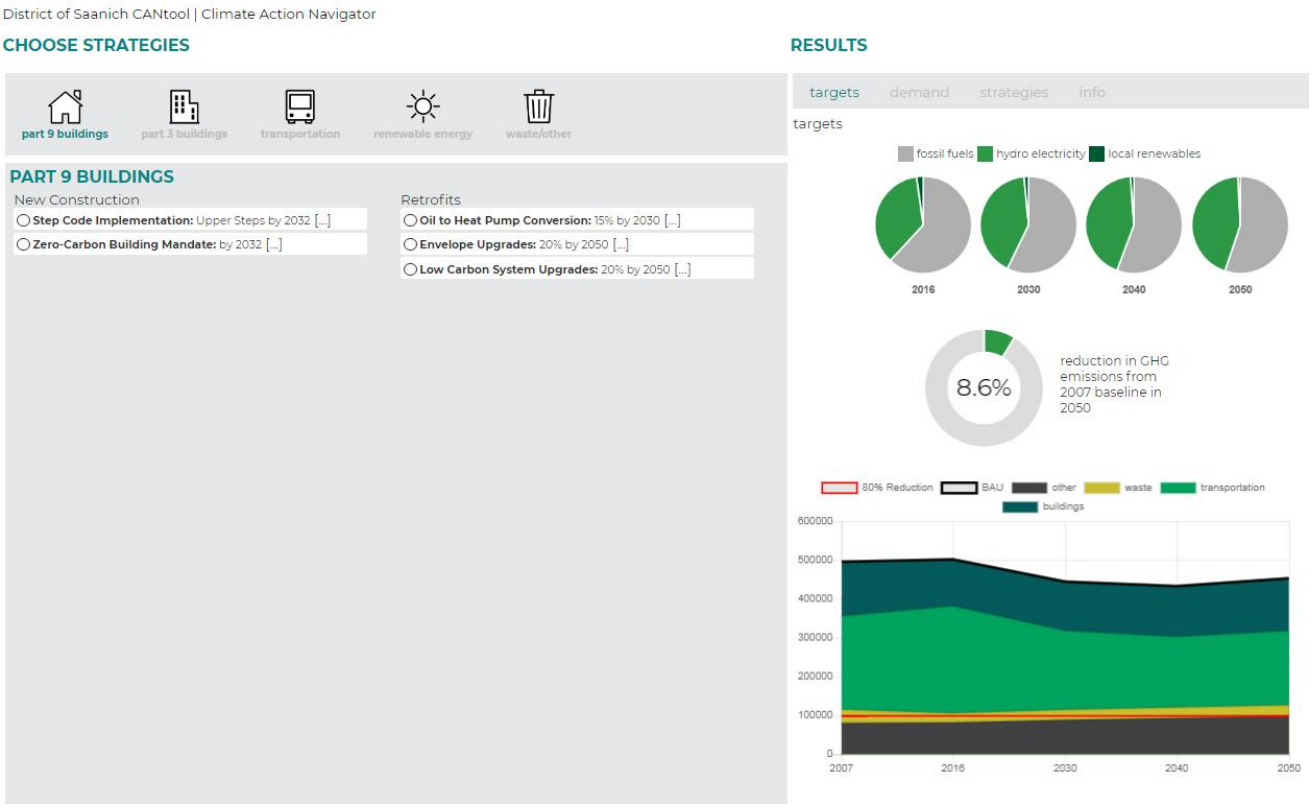
Climate Action Navigator Tool

An online, interactive energy and GHG modelling tool, called the Climate Action Navigator, or CANtool, was developed and presented. The CANtool is specifically designed for exploring and evaluating municipal climate action scenarios with local stakeholders. It was developed using advanced data and modeling methods originally developed at the University of British Columbia (UBC) and using Saanich-specific criteria.

Outputs from the CAN tool include:

• Total community-wide GHG reductions (tonnes/year and % reduction)
• GHG reductions by sector and strategy (tonnes/year)
• Total community-wide energy reductions (GJ/year)
• Energy reductions by sector, strategy and energy source (GJ/year)
• Total incremental NPV cost per household ($)
• Incremental NPV cost by strategy ($)
• Total incremental operating cost per household ($)
• Incremental operating cost by strategy ($)
• Mode split – walking/cycling/transit/auto (% and kilometers travelled)

Figure 19: Screenshot from Business as Usual Scenario in CANtool

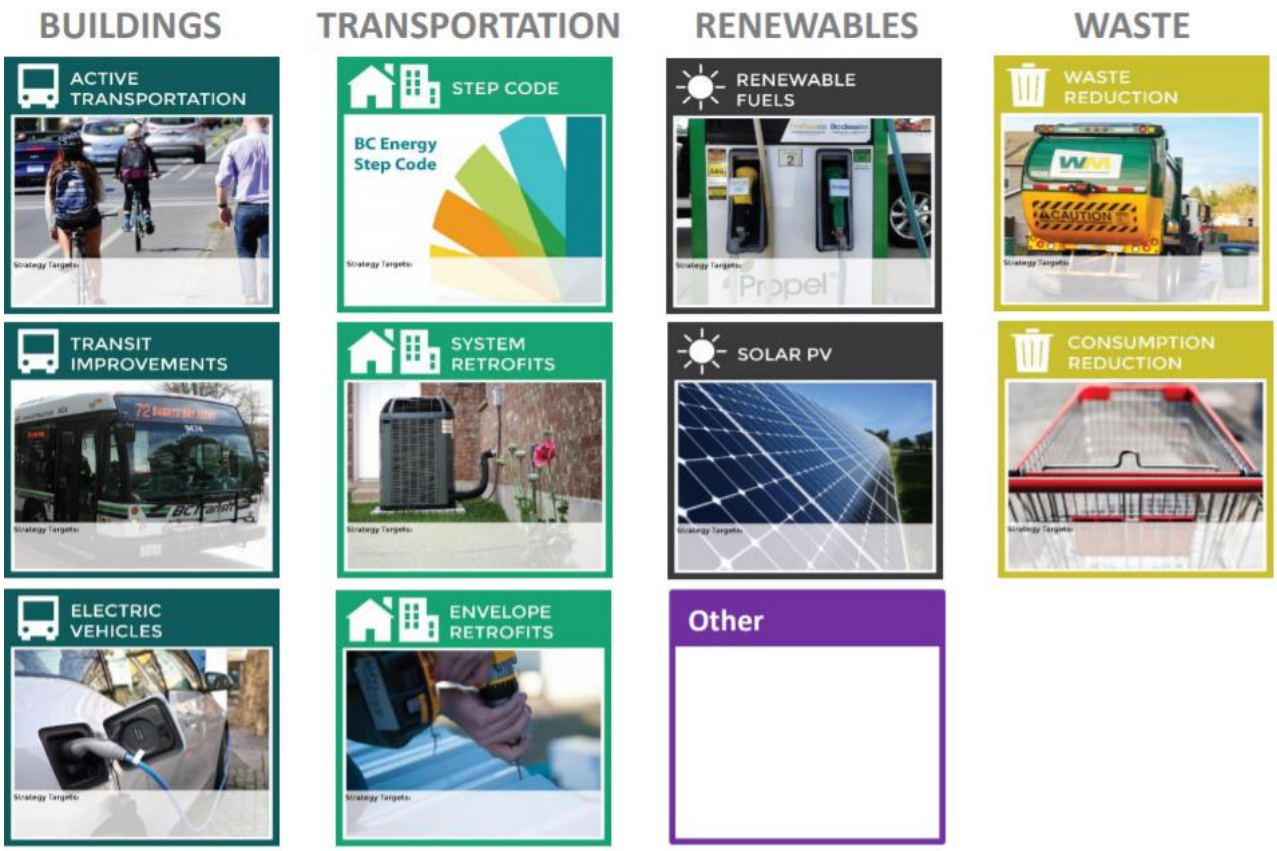


Stakeholders had the opportunity to experiment in real time with the tool – by changing timelines, conversion rates, and other factors – and observing the impact on the community GHG emissions and renewable energy mix. It was evident to participants that a diversity of strategies across different sectors (new buildings, existing buildings, transportation, waste, and more) were required to reach our targets. There was no “silver bullet” action.

Community Mapping Exercise

Small groups completed a mapping exercise, designing climate actions specific to two specific neighbourhood types: a single family dwelling-oriented neighbourhood and a commercial centre. Groups were invited to choose three priority climate mitigation strategies, and to note potential partners, policy tools, and barriers, and to draw changes on the map that would be required in order to meet Saanich’s climate targets.

The following strategies were provided as prompts:



Qualitative analysis of the collected comments from the mitigation workshops was conducted, dividing comments into broad topic areas as well as grouping more specific comments.

The table below shows the frequency of each of the broad topic areas in the mapping exercise comments.

Table 6: Community Climate Mapping Exercise Areas of Focus

Topic	Commercial Centre Frequency	Single Family Neighbourhood Frequency
Land use	89	65
Public/shared transit	81	63
Active transportation	70	51
Approach (e.g. incentive, regulation)	56	50
Buildings	41	44
Electrification	37	33
Food	5	21
Ecosystems	19	19

Renewable energy	2	13
Other	9	10
Partners/players	14	10
Barriers	9	7
Waste	2	7
Consumption	7	5
Total	**441**	**398**

The table below shows the 10 most frequent specific comment types in each neighborhood type.

Table 7: Top 20 Types of Climate Action in Commercial Centre Exercise

Frequency	Comment type
19	Sidewalks/walkability
19	Incentives/disincentives
18	Public/Shared transit
17	Bike lanes
16	Heat pump building retrofits
15	Active transportation
15	Electric vehicles
15	Increase density
13	Increase charging station access
13	Land use supporting climate action
12	Improve public transit routes
11	Encourage or educate residents
11	Protect/enhance greenspace
11	More apartment/condo buildings
10	Mixed services in neighbourhoods to reduce travel
10	More frequent public transit service
9	Building envelope retrofits
9	Step code for new buildings.
9	Change parking
8	Attitude/behaviour barriers to change

Table 8: Top 20 Types of Climate Action in Single Family Neighbourhood Exercise

Frequency	Comment type
18	Heat pump building retrofits
15	Incentives/disincentives
14	Bike lanes
14	Mixed services in neighbourhoods to reduce travel

14	More frequent public transit service
12	Active transportation
12	Electric vehicles
12	Public/shared transit
11	More apartment/condo buildings
10	Tax measures
10	Building envelope retrofits
10	Increase charging station access
10	Land use supporting climate action
9	Sidewalks/walkability
9	Other
8	Improve public transit routes
7	More cut through for pedestrians and cyclists in neighbourhoods e.g. cul-de-sacs.
7	Update zoning to support compact, complete communities.
7	Protect/enhance tree cover
7	Protect/enhance greenspace

Feedback from Mitigation Workshops

Feedback forms were provided to both the stakeholder and public mitigation workshops. 29 responses were collected.

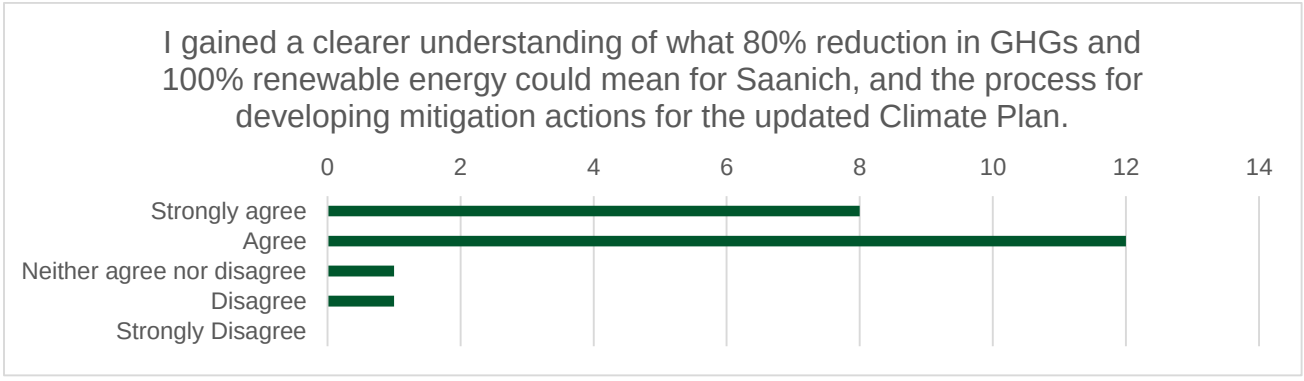


Figure 20: Evaluation of Informing at Mitigation Workshops

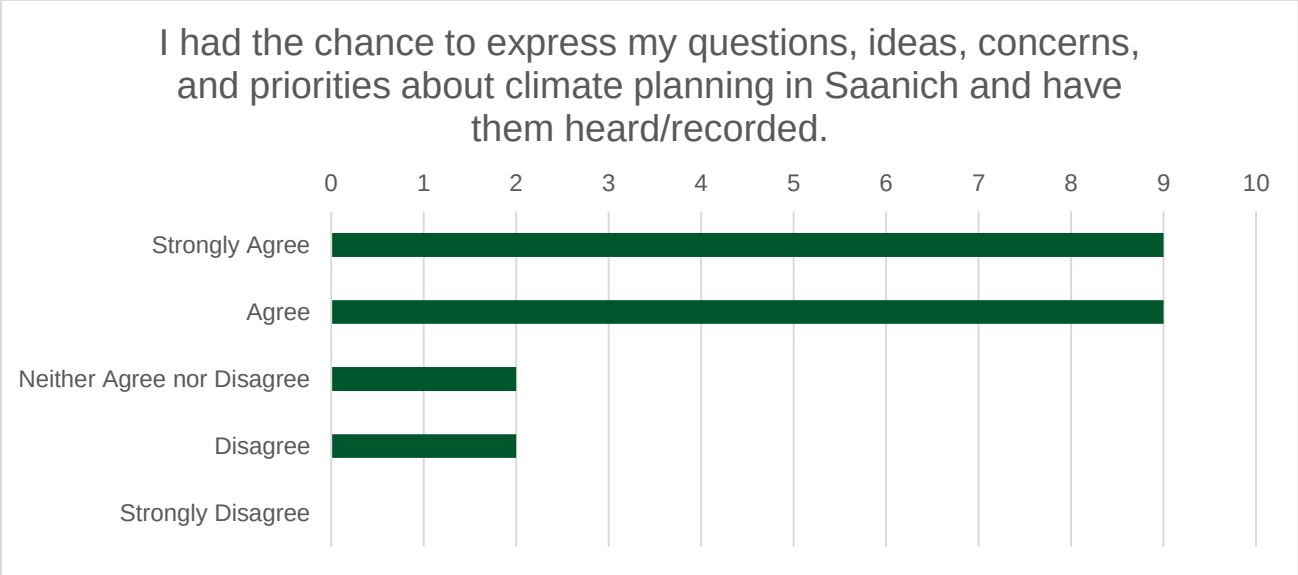


Figure 21: Evaluation of Consultation at Mitigation Workshops

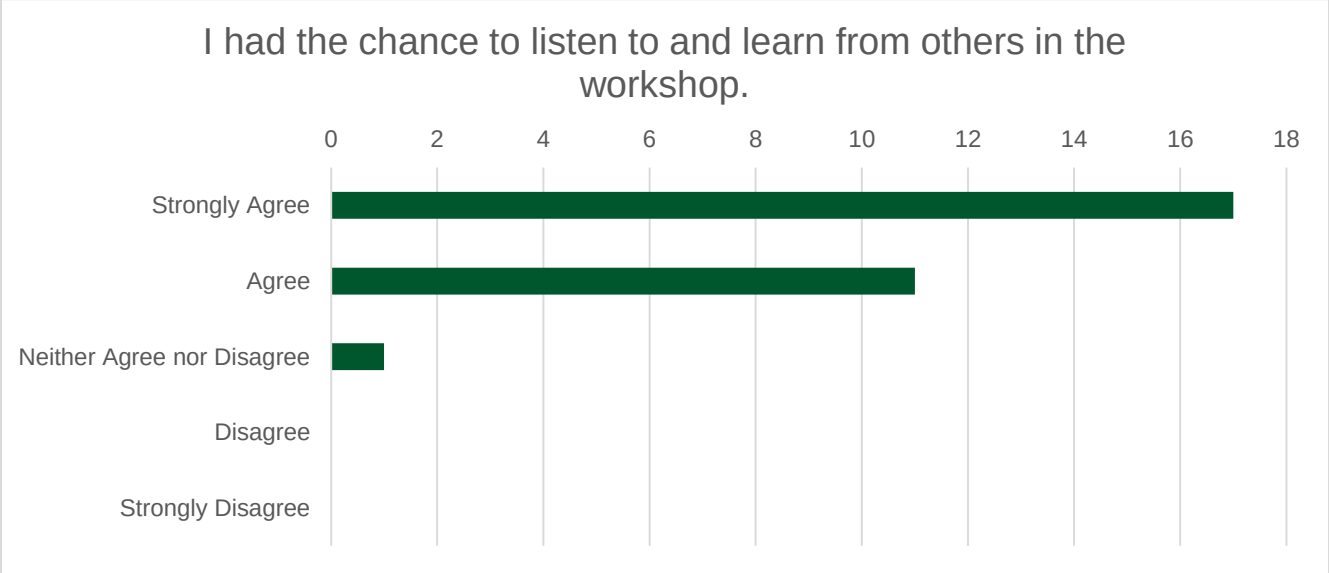


Figure 22: Evaluation of Involvement at Mitigation Workshops

Feedback from Adaptation Workshops

Feedback forms were provided to both the public adaptation workshops. 19 responses were collected.

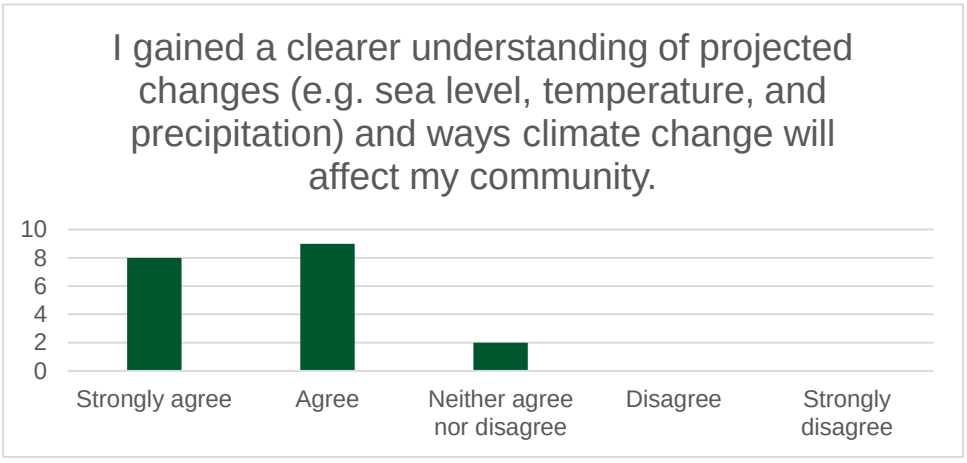


Figure 23: Evaluation of Informing at Adaptation Workshop

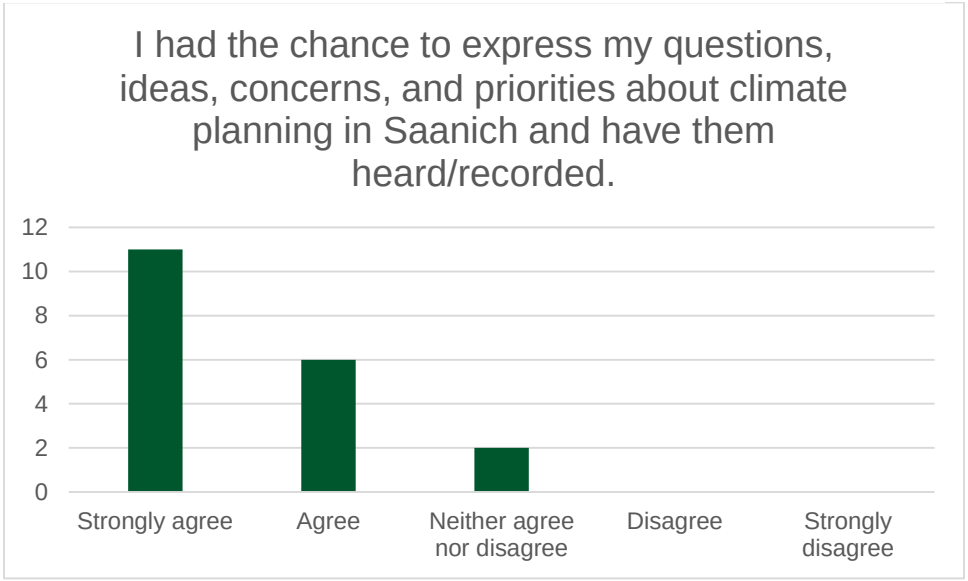


Figure 24: Evaluation of Consultation at Adaptation Workshop

Figure 25: Evaluation of Involvement at Adaptation Workshop

3.3.4 Public and Stakeholder Adaptation Workshops

Public Adaptation Workshop

Four public adaptation workshops were hosted during the Climate Open Houses, as well as one held with a class from Claremont Secondary School. The intent of the workshops were to:

- Provide information on downscaled climate projections for the region;
- Seek input on how these climate projections will impact the community
- Identify the impacts that participants feel are most urgent or important
- Generate ideas on how to address or adapt to these priority impacts

A short presentation described the climate projections and linked them to trends we are already observing in Saanich. The majority of the time participants worked in small groups with a worksheet that prompted them to write down ideas on how Saanich will be affected by climate change in different sectors (Social, Economic, Ecological, Physical). Participants were then given 3 dots and asked to place the dots on the impacts they felt were most urgent or important to address. The highest priority impacts (identified with the most dots) then became the focus of the remaining conversation, with participants generating ideas on how to build resilience in that area.

The following is a summary of the impact areas identified by participants, in order of occurrence:

- **Impacts to Community Well-Being (35% of identified impacts):**
  - Tourism and recreation
  - Mental health and social isolation
  - Physical Health (heat stroke, air quality, fires/smoke, etc.)
  - Water shortages/contamination/quality
  - Emergency response capacity
  - Pests and diseases

  - Costs (insurance, health care, etc.)
  - Global conflicts/ climate refugees

- **Impacts to Built Environment (30% of identified impacts):**
  - Damage/inadequate infrastructure
  - Reliance on A/C
  - Sea Level Rise + Flooding
  - Cost of insurance + Property Damage

- **Ecosystems (21% of identified impacts):**
  - Impacts/loss of wildlife, vegetation and trees
  - Loss of habitat and biodiversity
  - Invasive species
  - Impacts to fish and salmon from rising water temperatures
  - Creek overflows, flooding and erosion
  - Impacts to beaches and parks
  - Species migration; species unable to migrate quickly enough, competition with non-native species

- **Food Systems (12% of identified impacts):**
  - Water availability
  - Farmland degraded/eroded from fires, flooding, drought
  - Vulnerable food supply and food security, food costs, food shortages
  - Changes to viable crops
  - Pests and diseases affecting crops
  - Lower crop yields / viability of farms and farmers

The impact areas that were prioritized as most urgent or important were:

- Water shortages, including impacts for farmers
- Loss of species and biodiversity
- Flooding, including impacts for both private properties and ecosystems
- Health and lifestyle impacts, including from heat and poor air quality (smoke)
- Wildfires
- Food security and vulnerability of our food supply
- Social issues, such as inability for more vulnerable populations to adapt, increased migration due to global climate-related conflicts, and limited resources to adapt

The actions suggested to address climate impacts were wide ranging, with the most actions focused on adapting the built environment (42%), followed by ecosystems (23%), community well-being (15%) and food systems (8%).

The following summarizes the key themes heard by the public around taking adaptive actions and preparing for climate change:

Built Environment:

- Land use and policy directions to reduce exposure to sea level rise and flooding
- Water conservation actions, such as water storage, greywater reuse, and irrigation and watering restrictions

- Improvements to buildings, such as better insulation, green roofs, air conditioning, solar, and use of trees for passive cooling
- Better infrastructure planning, with an emphasis on stormwater management actions such as permeable surfaces, and increased capacity for sewer and storm systems

Ecosystems:

- Support for natural areas and biodiversity such as increasing the protected areas and enhancing conservation, connecting natural areas with corridors for migrating species, increasing/changing management efforts for invasive species and fire risk, and better monitoring ecosystem health over time
- Urban forest actions, such as increasing tree planting, prioritizing drought tolerant species, increasing watering, assisted migration

Community Well-Being:

- More resources, training and education on emergency response protocols, including a greater focus on neighbourhood-level preparedness and response (e.g. through block watch)
- Focus on ensuring equity and protecting vulnerable populations from climate impacts, ensuring mixed and affordable housing/communities
- Support for more firesmart education and building policy, changing forest management practices such as supporting controlled burns
- Strategies around cooling and air quality, such as enhancing urban forest, setting up cooling centres and/or “clean air” refuges during smoke or heat events

Food Systems:

- Support for more local food production, including through increased agricultural land, more community/school gardens, fruit trees and edible landscaping, rooftop gardens, and support for backyard gardening
- Strategies for supporting irrigation, such as on-site water storage or alternative sources
- Increasing the diversity of food grown locally

Stakeholder Adaptation Workshop: Adaptation Risk Assessment

A risk assessment workshop was convened with key stakeholders to evaluate the likelihood and consequences of potential climate impacts using a common framework that allows for comparison of relative risk levels. A full description of the process, participants and outcomes is found in the Resilient Saanich Risk Assessment Report, in Appendix D.

4.0 SUMMARY & NEXT STEPS

The Phase 1 Engagement report will be made available to the public on the climate plan website www.saanich.ca/climateplan.

The findings from the first phase of engagement will be used to inform the development of draft strategies and actions to achieve both the climate targets and to address the projected climate changes for the region. These draft strategies will form the basis of a second phase of engagement in early 2019.

APPENDIX A: KEY STAKEHOLDER LIST

The following table provides a list of stakeholders engaged as part of the Climate Plan development. This list may be expanded as the plan is further developed and it should be noted that different stakeholders are engaged at different levels of the IAP2 spectrum.

Key Stakeholders	
Saanich Council & Committees	
• District of Saanich Council • Environment and Natural Areas Committee • Healthy Saanich Advisory Committee	• Planning, Transportation and Economic Development Committee
Saanich Departments	
• Saanich Communications • Saanich Corporate and Legislative Services • Saanich Engineering & Public Works • Saanich Finance	• Saanich Fire • Saanich Parks and Recreation • Saanich Planning (all divisions) • Saanich Police
Other Governments	
• CRD – Climate Action Program and Inter-Municipal Working Group (transportation and waste) • Ministry of Agriculture • Ministry of Energy and Mines – Electricity and Alternative Energy Division • Ministry of Environment & Climate Change Strategy • Ministry of Environment - Climate Action Secretariat	• Ministry of Forests, Lands, Natural Resource Operations and Rural Development • Ministry of Health – Healthy Families Program • Ministry of Municipal Affairs and Housing • Ministry of Social Development and Social Innovation • Ministry of Transportation and Infrastructure • Public Safety and Emergency BC
Educational Institutions	
• Artemis Place Society • Camosun College • Claremont Secondary School Institute for Global Solutions • Mt Douglas Secondary School	• Reynolds Secondary School • Saanich Youth Council • School District 61 and 63 • University of Victoria
Health Institutions & Social Agencies	
• Action Committee for People with Disabilities • Affiliation of Multicultural Societies and Service Agencies of BC (AMSAA)	• Native Friendship Centre • Power to Be • Recreation Integration Victoria

Key Stakeholders

- Bayanihan Centre
- Beacon Support Services
- BC Healthy Communities
- Community Living Victoria
- Community Social Planning Council (Social Enterprise Incubator)
- Dandelion Society
- Disability Resource Centre
- Garth Homer Society
- Gordon Head Chinese Community
- Indo Canadian Women's Group
- Inter-Cultural Association for Greater Victoria (ICA)
- Institute of Aging and Lifelong Health
- Saanich Volunteer Services Society
- Together Against Poverty Society – Tenant Action Group
- Vancouver Island Health Authority
- Victoria Immigrant and Refugee Centre Society (VIRCS)
- Victoria Foundation
- Youth Service Providers Network

Environmental Agencies

- Ancient Forest Alliance
- Coastal Invasive Plant Committee
- Friends of Bowker Creek Society
- Friends of Glencoe Cove
- Friends of Knockan Hill Park Society
- Friends of Mt Doug
- Friends of Swan Creek
- Friends of the Gorge
- Friends of Tod Creek Watershed
- Garry Oak Ecosystems Recovery Team
- Garry Oak Meadow Preservation Society
- Goward Springs Watershed Stewards
- Habitat Acquisition Trust
- Haliburton Farm
- Mt. Tolmie Conservancy Association
- Our Backyard Mailing List
- Peninsula Streams Society
- Portage Inlet Sanctuary Colquitz Estuary
- Prospect Lake Preservation Society
- Pulling Together Volunteer Group
- Rithets Bog Conservation Society
- Saanich Inlet Protection Society
- SeaChange Marine Conservation Society
- Stewardship Centre for BC
  Swan Lake Christmas Hill Nature Sanctuary
- The Land Conservancy
- Victoria Natural History Society
- Western Canada Wilderness Committee

Economic Development Agencies & Business

- GardenWorks
- Greater Victoria Chamber of Commerce
- Synergy Enterprises
- Tourism Victoria (Greater Victoria Visitors and Convention Bureau)
- Uptown Shopping Centre
- Vancity Credit Union (Tolmie Branch)
- Vancouver Island Economic Alliance
- Vancouver Island Technology Park

Climate and Energy Agencies

- BC Bioenergy Network
- Delphi Group

Key Stakeholders

- BC Hydro
- BC Sustainable Energy Association
- Canadian Energy Efficiency Alliance
- Canadian Earth Energy Association
- Canadian Solar Industries Association
- Canadian Wind Energy Association
- City Green Solutions
- Clean Energy BC
- Clean Renewable Energy Group (OREG)
- Climate Issues Collaborative
- Climate Smart
- Community Energy Association
- Creatively United for the Planet
- Dogwood
- Engineers and Geoscientists BC
- Fortis BC
- Geoexchange BC
- Home Performance Stakeholder Council
- Insurance Bureau of Canada
- Marine Renewables Canada
- North American Board of Certified Energy Practitioners
- Pacific Institute of Climate Solutions (PICS)
- Pembina Institute
- Sierra Club BC
- UVic One Planet Living Series

Building Development Industry

- Architectural Institute of British Columbia (AIBC)
- BC Housing
- BEESPOT Neighbourhoods
- Built Green
- Canadian Home Builders Association (CHBA)
- Capital Region Housing Corporation
- Greater Victoria Housing Society
- Living Future Institute
- Passive House Institute
- Real Estate Foundation British Columbia
- Urban Development Institute (UDI)
- Vancouver Island Construction Association (VICA)
- Vancouver Island Strata Association
- Victoria Real Estate Board (VREB)
- Victoria Residential Builders Association (VRBA)

Transportation Agencies

- BC Transit
- Better Transit Alliance of Greater Victoria
- Bumblebee Electric
- Campus Nissan
- CRD – Regional Planning
- CRD – Transportation
- Drive Electric Victoria
- Fraser Basin Council
- Greater Victoria Cycling Coalition (GVCC)
- ICBC
- Modo
- Ubicycle
- Victoria LEAF Club
- Zipcar

Food Agencies

- BC Agriculture and Food Climate Action
- Capital Region Food & Agriculture Initiative Roundtable
- CRD Food and Agriculture Task Force
- Haliburton Farm
- Lifecycles
- Peninsula Area Agriculture Commission
- Saanich Agriculture and Food Security Plan Task Force

Key Stakeholders

Waste & Recycling Industry	
• CRD – Parks and Environmental Services	• Victoria Compost Education Centre
Community Members	
• Faith organizations • General Public and Residents • Greater Victoria Acting Together for the Common Good (GVAT) • KAIROS • One Planet Saanich Integrators (community volunteers)	• Saanich Community Associations • Saanich Community Association Network (SCAN) • Tenant Resource and Advisory Centre • UVic Interfaith Chaplaincy
Networks	
• British Columbia Institute of Technology • BC Hydro and Fortis Energy Managers Forum • Canadian Urban Sustainability Practitioners (CUSP) Network	• ICLEI Canada • Renewable Cities (& Simon Fraser University Centre for Dialogue) • Transition Town Network • Urban Sustainability Directors Network

APPENDIX B: CLIMATE PLAN SURVEY

Take the Survey!

Saanich is developing a plan to:

-Become a 100% renewable energy community
-Reduce our greenhouse gas (GHG) emissions by 80% below 2007 levels
-Prepare for a changing climate

Please take the survey to help build the plan. The survey has 37 questions (or fewer depending on your answers) and is estimated to take between 10 - 18 minutes to complete.

To learn more and read our Climate Plan: 100% Renewable and Resilient Saanich Backgrounder, visit saanich.ca/climateplan.

About Privacy:
Participation in this survey is voluntary and a response is encouraged, not required. IP addresses collected by SurveyMonkey and other information collected will be stored on SurveyMonkey's servers located outside of Canada. It is not the District's intention to collect personal information, so please do not provide any third-party information (i.e. talk about others) and/or any personally identifiable information about yourself in your responses. The information you enter into this survey will be stored outside of Canada.

Your information is being collected for the purpose of engagement for developing the updated Saanich Climate Plan and supporting strategies and is authorized under the Local Government Act, Community Charter and sections 26(c,(e)of the Freedom of Information and Protection of Privacy Act. Questions about privacy can be directed to the District of Saanich Privacy Officer at 770 Vernon Ave, Victoria BC, V8W 2W7, 250-475-1775, foi@saanich.ca.

1. **Do you consent to these terms, including having your information stored outside of Canada?**

- ☐ Yes
- ☐ No (If you answer no, please do not proceed with the survey and contact Saanich Sustainability to discuss alternative ways to provide feedback).

For more information please contact:
250-475-5494 x 3448
sustainability@saanich.ca
Sustainabilty Division, District of Saanich

saanich.ca/climateplan

Climate Change Action

In Saanich we have many examples of the municipality, residents, and businesses taking climate action, but we still have more to do. Visit saanich.ca/climateplan and read the backgrounders to learn more.

2. How important is it to you that Saanich take action to reduce GHG emissions in District operations and in the community?
   - ❒ Very important
   - ❒ Somewhat important
   - ❒ Not so important
   - ❒ Not at all important

3. Are you currently taking steps to reduce your own GHG emissions?
   - ❒ A lot
   - ❒ A little
   - ❒ None at all

4. Which climate action *areas* would you like Saanich to prioritize? **(Choose your top three)**
   - ❒ Active transportation, including walking, cycling, and public transit
   - ❒ Electric vehicle adoption
   - ❒ New building energy standards
   - ❒ Upgrading existing buildings
   - ❒ Reducing climate impact of consumption and waste
   - ❒ Reducing climate impact of food
   - ❒ Other (Please specify) _____

5. Which *approaches* would you like Saanich to prioritize to reach our climate targets? **(Choose your top three)**
   - ❒ **Provide education** (e.g. how to produce on-site renewable energy, help with sustainable transportation options, how to reduce consumption and waste, etc.)
   - ❒ **Provide rebates and incentives** (e.g. for home energy efficiency improvements, sustainable transportation options, etc.)
   - ❒ **Demonstrate leadership** (e.g. through 100% renewable facilities, employees use active transportation, etc.)
   - ❒ **Use municipal regulations, policies, and standards** (e.g. energy efficient building standards, zoning and land use, transportation infrastructure, parking regulations, electric vehicle charging station requirements, waste diversion, etc.)
   - ❒ **Work with businesses, utilities, institutions, and other levels of** government on climate issues outside of Saanich jurisdiction (e.g. vehicle emissions, carbon pricing, etc.)
   - ❒ **Other (please specify):**_____

6. Actions taken to address climate change can have other benefits for our community. Which co-benefits are most important to you? **(Choose your top three)**
   - ❒ **Health and well-being** (e.g cleaner air, access to nature, healthy local food, more walking and cycling, friendly neighbourhoods)
   - ❒ **Cost savings** (e.g. from lower home energy bills, reduced car maintenance costs)

- ❒ **Comfort and convenience** (e.g. from high energy performance homes and buildings, technological improvements, easy neighborhood access to services)
- ❒ **Safety and self-reliance** (e.g. food security, emergency preparedness, energy self-sufficiency and backup power, protecting local buildings, roads, and other infrastructure from climate impacts)
- ❒ **Economic development** (e.g. green jobs, innovation, sustainable business opportunities).
- ❒ **Protecting ecosystems,** species at risk, natural water sources, etc.
- ❒ **Protecting quality of life opportunities for the next generations**.

7. Are there concerns you have about reducing our community GHG emissions and transitioning to renewable energy?

Adaptation and Being Resilient to Climate Change

Saanich can expect noticeable changes to our climate in the coming decades. By 2080, we are projected to experience hotter, drier summers, more precipitation in fall, winter, and spring, more intense storms, fewer days below freezing, and sea level rise. To learn more, read the Climate Projections Chapter of our Climate Backgrounder available at saanich.ca/climateplan, or the CRD's Climate Projections and Sea Level Rise reports at crd.bc.ca/climate.

8. How informed are you about how climate change will impact our community (i.e. changes to temperature, precipitation, extreme weather events, sea level rise, etc.)?
   - ❒ Very informed
   - ❒ Somewhat informed
   - ❒ Not so informed
   - ❒ Not at all informed

9. Which of the following have you experienced while living in the region? **(Check all that apply).** (Please note these may or may not currently be related to climate change, but increased frequency or severity may occur in the future.)
   - ❒ Flooding/seepage of water on my property or in my home from extreme rainfall or high tides/storm surges
   - ❒ Uncomfortably hot temperatures in my home during summer months
   - ❒ Power outages lasting more than 24 hours
   - ❒ Water restrictions that impacted daily decisions about water use
   - ❒ Stress on plants or wild animals in my neighbourhood due to weather
   - ❒ Other (please specify) _____

10. The following actions can help us to adapt as our climate changes and we experience more extreme weather events. Which describe you and your household? **(One check per row)**

	My household already does this	My household partially does this and/or is planning to in the near future	Not interested in doing this	Not possible or not applicable
I know my neighbours and am comfortable asking them for help (e.g. a cup of sugar, watering my plants when I'm away)	❒	❒	❒	❒
As imported food could become more expensive, I grow some of my own food at home or in a community garden	❒	❒	❒	❒
I have an emergency kit which can be used for extreme weather events, including three days' worth of food and water	❒	❒	❒	❒
I have access to heat and/or energy in the case of an extended blackout (wood stove, back-up generator, solar PV or hot water system, electric vehicle and inverter, BBQ)	❒	❒	❒	❒
My home stays cool on hot summer days and/or I have air conditioning for cooling	❒	❒	❒	❒
My home/building is landscaped with drought resistant plants and free of invasive species	❒	❒	❒	❒
My home/building is primarily landscaped with permeable surfaces to help rainwater infiltrate into the ground	❒	❒	❒	❒
Since conserving water will grow in importance, I collect rainwater and use it for irrigation	❒	❒	❒	❒
My living space and valuables are not located in areas at risk of flooding (e.g. my house is outside of the floodplain or my valuables are at sufficient elevations to stay dry)	❒	❒	❒	❒
Other (please specify) _____	❒	❒	❒	❒

11. What actions would you like Saanich to take to help you become more resilient to climate change and extreme events?

Transportation

Transportation in Saanich represents 68% of our current GHG emissions. To learn more, read the Transportation Chapter of our Climate Backgrounder available at saanich.ca/climateplan

12. What is your primary mode of transportation?
    - ❒ Individual driving
    - ❒ Rideshare/carpool
    - ❒ Motorcycle or scooter
    - ❒ Bicycle
    - ❒ Transit
    - ❒ Walking
    - ❒ Taxi
    - ❒ Other (Please specify)_____

13. If you currently travel primarily by individual driving, is there anything that would help you choose active transportation options such as walking, cycling, or public transit?

14. If you plan to purchase a vehicle in the future, how likely is it that your next vehicle will be electric?
    - ❒ Very likely
    - ❒ Somewhat likely
    - ❒ Somewhat unlikely
    - ❒ Very unlikely
    - ❒ Don't know

15. If you're unsure about an electric vehicle purchase, what might help you choose one? **(Choose your top three)**
    - ❒ More information about the technology
    - ❒ Help with upfront purchase costs
    - ❒ Longer range (most EVs can drive at least 100km, with many over 300km, and some over 500km)
    - ❒ Charging equipment at home
    - ❒ More public charging
    - ❒ Better availability to test drive and purchase locally
    - ❒ More choice of vehicle types (e.g. vans, trucks)
    - ❒ Easier access to used EVs
    - ❒ Other (please specify)_____

Homes and Buildings

Buildings represent 28% of Saanich's GHG emissions. As BC Hydro electricity is mainly sourced from hydro power (currently 97% renewable), many homes and buildings in Saanich are already powered by renewable energy. Rebates and assistance are available to help you shrink your energy bills, even if you rent! To learn more, read the Buildings Chapter of our Climate Backgrounder available at saanich.ca/climateplan

16. Which best describes your living situation?
    - ❒ I'm a renter in Saanich (please go to Q17)
    - ❒ I'm a homeowner in Saanich (please go to Q19)
    - ❒ I don't live in Saanich (please go to Q26)
    - ❒ Other (please specify)_____

Renters in Saanich

17. How energy efficient is your home now?
    - ❒ Far above average
    - ❒ Above average
    - ❒ Average
    - ❒ Below average
    - ❒ Far below average
    - ❒ Don't know

18. If your home is not currently energy efficient, what might help improve it? **(Check your top three)**
    - ❒ Incentives for landlords to complete upgrades
    - ❒ Regulations requiring energy saving upgrades
    - ❒ Energy efficiency labeling when choosing the next home to rent
    - ❒ Ensuring new rental buildings are built with high energy efficiency standards
    - ❒ Other (please specify) _____

Renters in Saanich - Please proceed to Q26.

Homeowners in Saanich

19. Are you planning any home renovations within the next 5 years?
    - ❒ Yes – please go to Q20
    - ❒ No – please go to Q22

20. How likely are you to consider energy efficiency improvements or climate adaptation as part of your upgrade?
    - ❒ Very likely
    - ❒ Somewhat likely
    - ❒ Somewhat unlikely
    - ❒ Very unlikely

21. Optional: please explain _____

22. Do you use renewable energy for space and/or water heating in your home **(check all that apply.)**
    - ❒ Electricity from BC Hydro (e.g. baseboard, heat pump, electric furnace)
    - ❒ Renewable Natural Gas (can be purchased for a premium price through FortisBC - not conventional natural gas)
    - ❒ Wood
    - ❒ Solar or other on-site renewable energy
    - ❒ Other (please specify) _____

23. Do you use any non-renewable energy for space or water heating in your home? (e.g conventional Natural Gas from FortisBC, heating oil, or propane.)
    - ❒ Yes
    - ❒ No – please go to Q26

24. If using non-renewable energy at home (e.g. heating oil or conventional natural gas), how likely are you to switch to renewable energy in the next 5 years?
    - ❒ Very likely
    - ❒ Somewhat likely
    - ❒ Somewhat unlikely
    - ❒ Very unlikely
    - ❒ Unsure/Depends

25. If you are using non-renewable energy, what would encourage you to switch to renewable energy? **(Choose your top three)**
    - ❒ Information about options and technology
    - ❒ Help with upfront costs (e.g. incentives, financing)
    - ❒ Help with keeping operating costs low (e.g. insulation, air sealing, and other energy saving upgrades)
    - ❒ Help understanding regulations
    - ❒ Assistance with finding contractors
    - ❒ Other (please specify)_____

Food and Agriculture

Food accounts for 19% of our community GHG emissions when we use a Consumption-Based Emission Inventory. The majority of these emissions relate to the type of food we eat. Transportation of food, or "food miles," makes up only 7% of these emissions, or 1% of our total consumption based GHG emissions. When sent to landfill, food waste creates methane, a powerful greenhouse gas. To learn more, read the Food & Agriculture Chapter of our Climate Backgrounder available at saanich.ca/climateplan.

26. How familiar are you with the climate impact (or GHG emissions) of different food choices?
    - ❒ Very familiar
    - ❒ Somewhat familiar
    - ❒ Not so familiar
    - ❒ Not at all familiar

27. When choosing what to eat, how important is the climate impact of your food to your decision?
    - ❒ Very important
    - ❒ Somewhat important
    - ❒ Not so important
    - ❒ Not at all important

28. How do you primarily dispose of your food waste at home?
    - ❒ In my green organics bin from Saanich (or other municipality)
    - ❒ In my home/backyard composter, digester, worm bin, or other home based option.
    - ❒ In a compost bin operated by a private company (e.g. in apartment buildings)
    - ❒ In the garbage
    - ❒ Other (please specify)_____

29. Consumer food waste (food that is purchased but not eaten) is a big issue for our wallets and the climate. What might help you reduce food waste at home?

30. Organics are still the largest single component of the total Hartland landfill waste stream, at 21%. What would help you divert more of your food waste and other organics from the garbage (landfill) into the compost instead?

Consumption and Waste

Consumption and waste account for 9% of our GHG emissions when we use a Consumption-Based Emission Inventory, which considers the emissions that result from the production and transport of all goods consumed in Saanich (e.g. clothing, plastic, paper, and electronics) regardless of where those products are made. To learn more, read the Consumption and Waste Chapter of our Climate Backgrounder available at saanich.ca/climateplan.

31. How important is it to you to consider the climate impact or greenhouse gas footprint of the goods and services you purchase?
    - ❒ Very important
    - ❒ Somewhat important
    - ❒ Not so important
    - ❒ Not at all important

32. In Saanich, the annual garbage volume from single family residences has been rising since 2014. What action would you like Saanich to prioritize to help you reduce your garbage volume? (please choose one)
    - ❒ Promote existing CRD information about what can be composted or recycled in our community, how and where (e.g. CRD's My Recycleopedia)
    - ❒ Develop awareness campaigns so consumers are better informed to purchase products that have less packaging
    - ❒ Provide additional drop-off locations for recycling items not collected by most curbside/apartment recycling programs (e.g. textiles, batteries, soft plastics and Styrofoam, etc.)
    - ❒ Work with regulators, retailers and producers to reduce waste from packaging and non-recyclable products
    - ❒ There is nothing Saanich can do that will change my current garbage habits
    - ❒ Other (please specify):_____

Demographics

These questions are to better understand who has been reached by this survey and how representative the survey participants are of the overall population in Saanich.

33. Do you live in Saanich (at least 6 months of the year)?
    - ❒ Yes
    - ❒ No

34. Do you regularly (e.g. more than once a month) visit Saanich for other reasons (e.g. work, school, recreation, visiting friends and family, errands, etc.)
    - ❒ Yes
    - ❒ No

35. What is your age?
- ❒ 19 and under
- ❒ 20 to 29
- ❒ 30 to 64
- ❒ 65 and up

36. (Optional) What is your approximate annual household income?
- ❒ $0 - $24,999
- ❒ $25,000-$49,999
- ❒ $50,000-$74,999
- ❒ $75,000 - $99,999
- ❒ $100,000 - $124,999
- ❒ $125,000 and up

Additional Comments

37. Do you have any other comments about developing an updated climate plan for Saanich?

Thank you for completing this survey. Your input is important.

Please return this survey to the District of Saanich through any of the following methods:

In person or by mail to:	Fax:	Scan or Digital Photos to:
Saanich Municipal Hall 770 Vernon Ave Victoria, BC, V8W 2W7	250-475-5430	sustainability@saanich.ca

If you have additional feedback or questions, please write to sustainability@saanich.ca or call 250-475-5494 x3448.

saanich.ca/climateplan

APPENDIX C: DETAILED SURVEY RESULTS

Please see https://www.saanich.ca/assets/Community/Documents/Planning/sustainability/Appendix_C_Detailed_Survey_Results.pdf for the Detailed Phase 1 Survey Results.

APPENDIX D: RESILIENT SAANICH RISK ASSESSMENT REPORT

Please see https://www.saanich.ca/assets/Community/Documents/Planning/sustainability/ResilientSaanich_RiskAssessmentReport.pdf for the Resilient Saanich Risk Assessment Report.