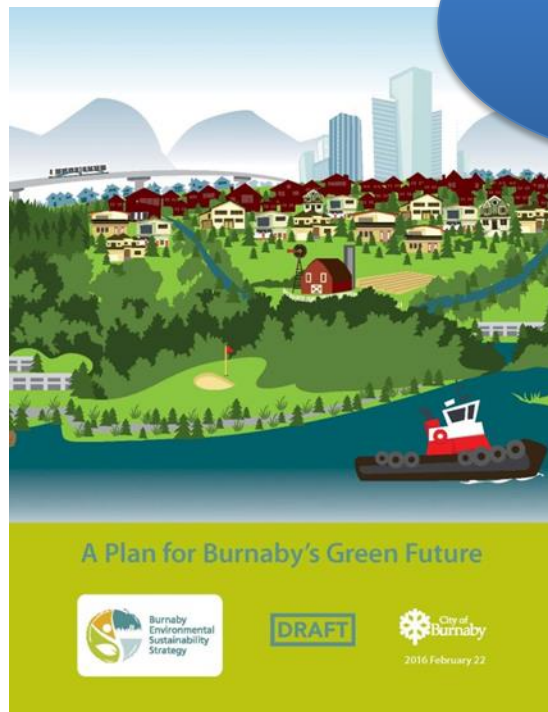




ESS Phase 3 “Draft ESS” Public Consultation Summary

www.burnaby.ca/ess-input

Are We Headed
in the Right
Direction?



Version 8
2016 August 26



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Phase 3 “Draft ESS” Public Consultation Summary

Highlights

Phase 3 public consultation took place over **three months** between **March 16** and **June 16, 2016**. Phase 3 shared **two draft reports**, the *Draft Environmental Sustainability Strategy* (ESS) and the *Draft Community Energy and Emissions Plan* (CEEP), with the public to check and see if they were “*headed in the right direction*” before being submitted to Council for approval. **A variety of approaches and techniques** were used to make sure input was received from a **broad cross-section of the community** and that there was good representation from a **variety of age groups** among the public, with the ESS team targeting groups that are harder to engage like youth.

Overall – ESS and CEEP

- Overall, the engagement was **positively received**, with a **high response rate** and **strong interest** at the **16 events** attended.
- Phase 3 had **two streams** – **awareness** and **engagement**.
- Over **5,600 people** were made aware of the ESS/CEEP and over **580 people** were engaged to provide feedback.
- Over **350 online questionnaires** were completed.
- Over **1,200 ideas** were collected from the public in total with a high number of comments expressing general support or specific reasons for supporting the two plans.
- Over **40 staff** participated in two phase 3 workshops and contributed **over 400 ideas**.
- The input collected from Phase 3 was used to create the **Final ESS Report** and the **Final CEEP Report**, before they are submitted to Council for approval.

Draft Environmental Sustainability Strategy (ESS)

- 17% of people engaged had previously been involved in the ESS process and **83% were new to the ESS process**.
- All 10 draft ESS goals had a **significant level of interest** (number of responses) and there was relatively little spread between each of the goals, when ordered from highest “*Move*” to lowest “*Prosper*”.
- There was a **high level of support** (ranging from 87% to 99% support) for each of the **10 draft ESS goals** and **49 draft ESS strategies**.



- Specific priorities in the ESS comments included **protection of greenspace, improving walkability and bike-ability, and recycling and waste reduction** (with all three of these and many others having linkages to the CEEP as well as the ESS).
- The majority of the ESS comments showed a **high level of comfort with the “goals” and “strategies”** contained within the Draft ESS.
- Most of the detailed ESS comments put forward changes to **“suggested actions”**.
- As a result, the public input from Phase 3 confirmed the **Draft ESS is heading in the right direction overall** and there will likely only be **modest changes** made to the ESS with the majority of changes likely being made to “suggested actions” in the Final ESS.

Draft Community Energy and Emissions Plan (CEEP)

- Engagement on the CEEP was **more modest** than for the ESS, as anticipated.
- 94% of people responding said they were “very” or “somewhat” **well informed** about climate change.
- Even with this high level of awareness, **53% said they learned something new** about Burnaby’s emission and 34% said they learned something new about the challenges Burnaby is facing. This suggests that **continuing to provide information about Burnaby’s existing conditions and challenges** should be an important component of the CEEP going forward.
- 80% of people responding said they would **support the unique approach proposed of setting two targets** – “City Only” and “City Plus Others”.
- **People responded positively to the level of the targets** (64% support for the “City Only” and 82% for the “City Plus Others”) even if they had concerns that it did not go far enough (likely an indication that it is still better to have a target even if they think it is less than ideal). This is shown by the higher level of support for the “City Plus Others” target.
- Many wide ranging discussions were held about the **different and conflicting considerations in setting targets**. Some people acknowledged the need for strong action, while others recognized the challenges of getting all levels of government to take coordinated action and getting people to change their behaviour.
- Overall, there was a **very high level of support for the draft CEEP strategies** (ranging from 74% to 100% support).
- As a result of the input collected, some changes were made to the Final CEEP report like **using the ESS themes** of *Live, Move, Build, Conserve, and Manage* to better align with and support the ESS.



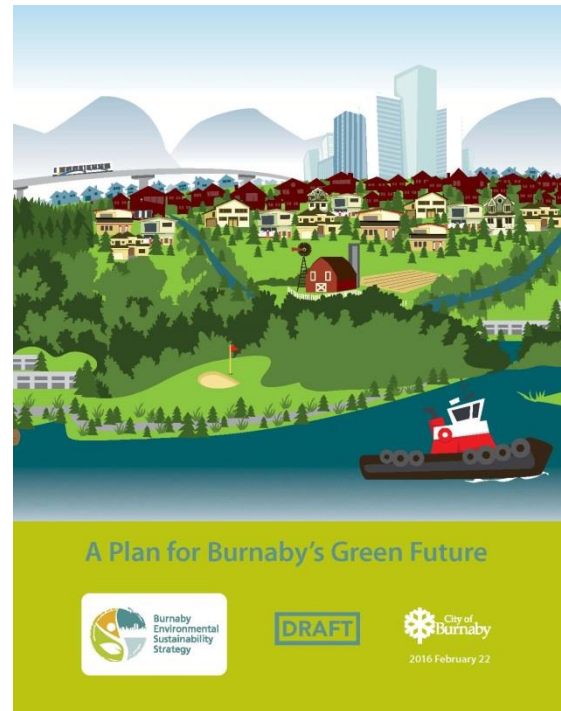
1. Introduction

A Draft Plan for Burnaby's Green Future!

The Environmental Sustainability Strategy (ESS) is a plan for Burnaby's "green" future. It completes the trilogy of sustainable city policies - environmental, social and economic. The ESS will help to define how the city can evolve and build on its strengths to become an even more vibrant, resilient and sustainable community, integrated with healthy ecosystems.

Are We On the Right Track?

Before submitting the ESS to Council for adoption, the City carried out Phase 3, the third and final phase of consultation, to check in with the community to see if we were on the right track. Phase 3 was started in March 2016, beginning with the release of the Draft ESS.



This report summarizes the approaches used, the events attended, and the results collected - the key messages heard from the community during Phase 3.

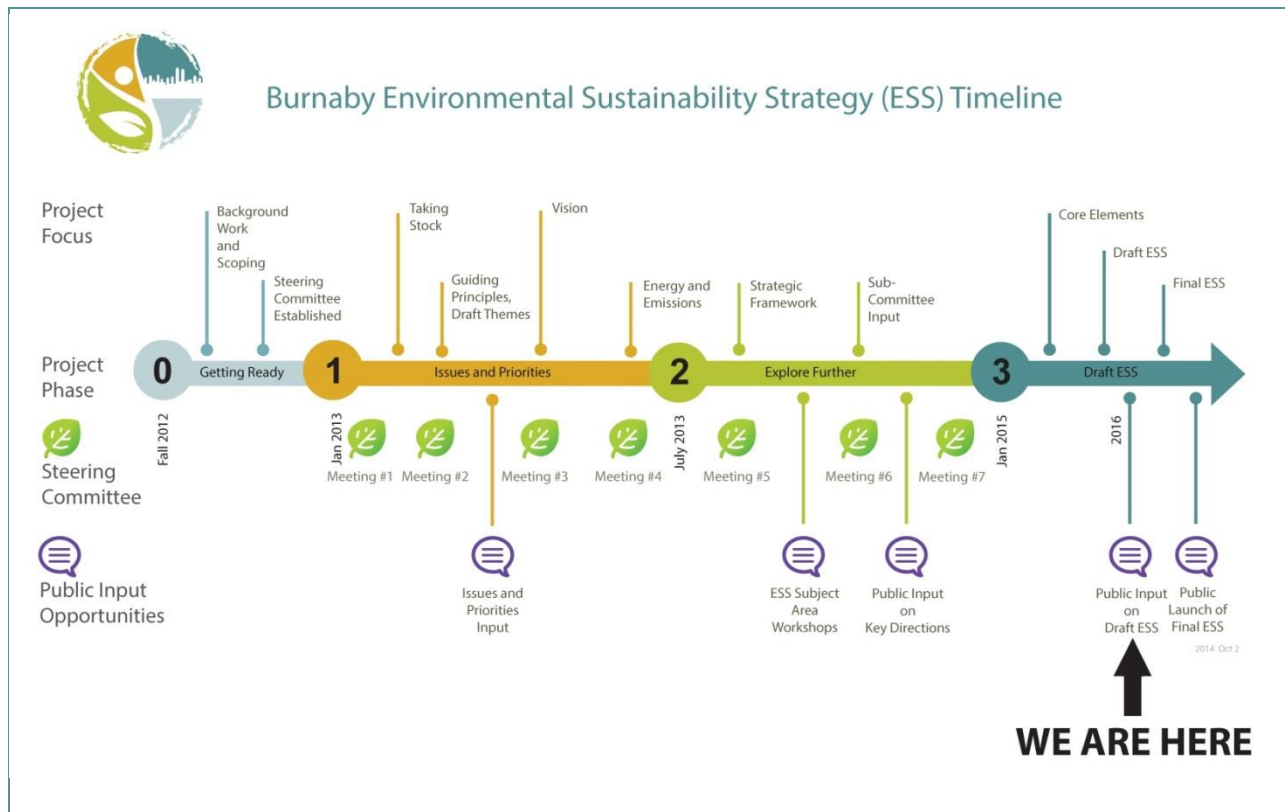
2. Three Phases of ESS Public Consultation

As shown in **Figure 1** (next page), Phase 1, "*Issues and Priorities*", took place between May and June 2013 and focused on raising awareness about the ESS process, invited feedback on the proposed scope of the ESS, and identified issues and opportunities. Input from Phase 1 was used to create a draft ESS framework of a vision, supported by ten goals and supporting strategies. A summary of the Phase 1, "*Issues and Priorities*", can be found at www.burnaby.ca/ess-input-summary.

Phase 2, "*Exploring Further*", took place between March and July 2014, presented the draft ESS vision and goals to the community for feedback, and asked for ideas for actions. Input from Phase 2 was used to refine and complete the Draft ESS framework (vision, goals, strategies, suggested actions) as summarized in **Figure 2** (page 5). A summary of the Phase 2, "*Exploring Further*", can be found at www.burnaby.ca/ess-input-summary-2.



Figure 1. The ESS Process



Phase 1 – Issues and Priorities Jan. to July 2013	Phase 2 – Exploring Further July 2013 to Jan. 2015	Phase 3 – Draft ESS Jan. 2015 to Jun. 2016
Broad, high-level	Deeper, more focused	Broad, high-level
Issues, opportunities, vision	Goals, strategies, actions	Framework, priorities
<ul style="list-style-type: none"> Steering Committee convened: focus on guiding principles, draft theme areas. <i>Phase 1 Public Consultation:</i> online questionnaire (~400 responses), display boards, attendance at seven public events, Environmental Superheroes, Vision Tree, and Community Green Map. 	<ul style="list-style-type: none"> Sub-Committees (4) convened: focus on draft goals, strategies. 10 meetings held with over 100 people in total; networking by Sub-Committee members engaged another 550 people. Inter-Agency Roundtable, with representatives from neighbouring municipalities and other levels of government and other organizations. <i>Phase 2 Public Consultation:</i> online questionnaire (~800 responses), display boards, attendance at 15 public events, three invited presentations, public workshop, Community Green Map, youth video contest, and 150 others engaged via workshops and invited presentations using "Sustain-A-Bucks". 	<ul style="list-style-type: none"> Draft ESS report containing a framework (vision, goals, strategies, suggested actions) released to the community to check and see if it was "headed in the right direction". <i>Phase 3 Public Awareness:</i> over 4,600 people were made aware of the release of the Draft ESS by conversations, presentations, email updates, project website, and social media. <i>Phase 3 Public Consultation:</i> engaged over 450 people using online questionnaire (~300 responses), activities, webinar, Plinko ESS trivia, flash-survey, display boards, attendance at 13 public events including an ESS community stakeholder workshop, and an ESS public drop-in open house.
<p><i>Outcomes:</i></p> <ul style="list-style-type: none"> Draft vision statement; confirmed scope (theme areas) and draft goals. 	<p><i>Outcomes:</i></p> <ul style="list-style-type: none"> Feedback on draft vision, goals, strategies; suggestions for actions - by the City and by individuals; analysis of responses. 	<p><i>Outcomes:</i></p> <ul style="list-style-type: none"> Confirmation of level of support for Draft ESS; input on how to improve the Final ESS.



3. The ESS Framework

The draft ESS framework, as shared with the community in Phase 3, had four layers, with each level being supported by more detail in the level below, as shown in **Figure 2** (below). Moving from the highest level to the most detailed level: there is one vision, 10 goals, 49 strategies and 151 suggested actions.

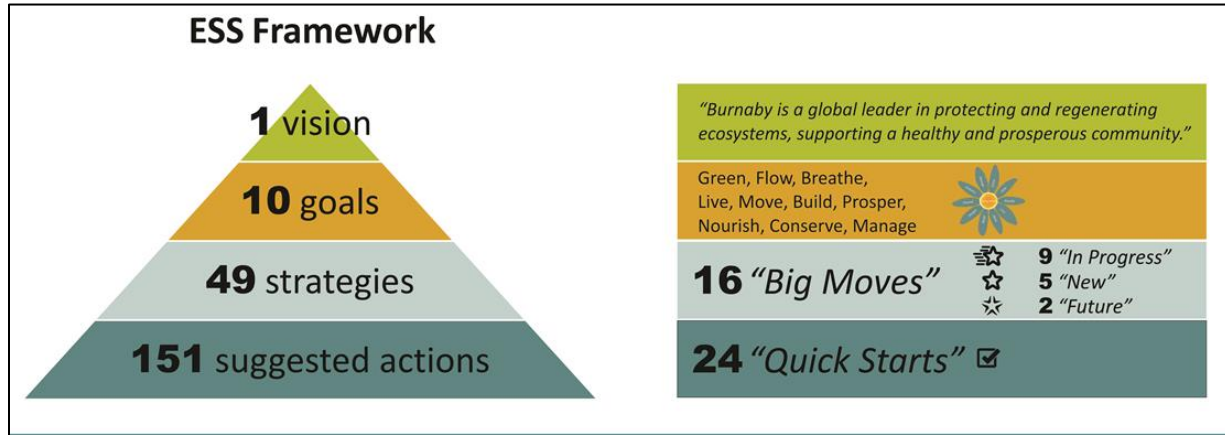


Figure 2. Summary of Draft ESS Framework

Phase 3 ESS public consultation shared this draft framework with the community in a variety of ways, as described in this report.

4. Community Energy and Emissions Plan (CEEP)

Phase 3 also included sharing the *Draft Community Energy and Emissions Plan (CEEP)*, a separate but supporting strategy for the Draft ESS.

Burnaby’s Draft CEEP is a plan to reduce the community’s overall energy use and greenhouse gas (GHG) emissions, in order to address climate change, improve local air quality, save money, and improve livability and health. The Draft CEEP supports many of the goals of the ESS, as well as the Economic and Social sustainability strategies. In order to take advantage of these synergies, the Draft CEEP framework, consisting of GHG reduction targets and supporting strategies in four sectors, was shared with the public alongside the ESS. This also allowed for presenting the CEEP within the broader sustainability context provided by the ESS, and engaging a broader spectrum of the community.

5. Objectives

The objectives for Phase 3 were to:

- Celebrate the process to date (extensive consultation, collaborative effort, culmination of ‘good work’).



- Share the Draft ESS Report - framework (vision, goals, strategies and suggested actions) and priorities (“*Big Moves*” and “*Quick Starts*”).
- Confirm that the Draft ESS Report is on the right track, or make corrections, if needed.

The objectives for the *Draft CEEP* consultation were to:

- Introduce the CEEP.
- Seek public feedback on the draft strategies for four sectors - *Buildings, District Energy, Transportation* and *Solid Waste*.
- Confirm that draft approach, targets, and strategies are on the right track, or make corrections, if needed.

6. Approaches

To achieve these objectives, Phase 3 public consultation had two streams – *awareness* and *engagement*.

Awareness focused on communicating about the Draft ESS and Draft CEEP, and promoting the opportunity to provide feedback, including in person conversations at public events, presentations, website material, social media and peer-to-peer networking.

Engagement involved obtaining formal responses from the public and stakeholders, from activities and small group discussions at workshops and public events, and from online questionnaires and written comments.

16 Events

The Draft ESS and Draft CEEP were shared with the community at 16 events including six public community events and 10 stakeholder workshops and special events. A range of methods was used to engage a broad spectrum of the public, including interactive activities, display boards, handouts, and online questionnaires. The events took place at a variety of locations across the city, and were attended by people of a variety of ages, demographics and cultural backgrounds (as listed in **Table 1**, next page, and in more detail in **Appendix A**). Both the ESS and CEEP were profiled at 11 events, while the remaining five events focused on one project or the other.



SFU Science Rendezvous



Table 1. List of ESS Phase 3 and CEEP Public Consultation Events

The six public community events are shaded darker and the 10 stakeholder workshops are shaded lighter.

Event Name, Date	Location	Type of Event	Project Focus
Burnaby Board of Trade, Environment Committee, March 16 th	Metrotown	Meeting	ESS
BCIT Engineering Class March 17 th	BCIT Burnaby Campus, Central Burnaby	Workshop	CEEP
BCIT Construction and Environment Students, March 30 th	Online	Workshop	CEEP
ESS Stakeholder Workshop April 6 th	Alan Emmott Centre, Edmonds	Workshop	ESS, CEEP
BCIT Open House April 8-9 th (2 days)	BCIT Burnaby Campus, Central Burnaby	Public Event	ESS, CEEP
Burnaby Youth Sustainability Network, General Meeting April 11 th	Burnaby Mountain Secondary School, NE Burnaby	Workshop	ESS
CEEP Stakeholder Workshop April 13 th	Alan Emmott Centre, Edmonds	Workshop	CEEP
ESS Public Open House, April 20 th	Alan Emmott Centre, Edmonds	Public Event	ESS, CEEP
BBOT State of the City Address April 26 th	Grand Pacific Hotel, Central Burnaby	Special Event	ESS, CEEP
SFU Science Rendezvous, May 7 th	SFU Burnaby Campus	Public Event	ESS, CEEP
BBOT Green Talks, May 13 th	Fortius Health Centre, Central Burnaby	Special Event	ESS, CEEP
Great Salmon Send-Off, May 14 th	Stoney Creek Elementary School, NE Burnaby	Public Event	ESS, CEEP
Woman2Warrior Race, May 15 th	Swangard Stadium, Metrotown	Public Event	ESS, CEEP
Urban Development Institute Burnaby Committee Meeting, May 19 th	Burnaby City Hall, Central Burnaby	Meeting	ESS, CEEP
Environment Festival, May 28 th	Burnaby City Hall, Central Burnaby	Public Event	ESS, CEEP
Moscrop Environment Week, June 16 th	Moscrop Secondary School, Central Burnaby	Workshop	ESS, CEEP

10 Stakeholder Workshops/Meeting and Special Events

10 events¹ were attended involving meetings, workshops and special events to engage specific segments of the community – high school students, post-secondary students, the business community and other community stakeholders (noted with lighter green shading in **Table 1**, above). These groups included the Burnaby Board of Trade, Burnaby Youth Sustainability Network, BCIT students, high school students, and the Urban Development Institute.

¹ Two events focused on the ESS, three events focused on the CEEP, and five profiled both.



More Photos



Environment Festival, May 28th



Woman2Warrior Race, May 15th



Burnaby Youth Sustainability Network, April 11th



BBOT State of the City Address, April 26th



BCIT Engineering Class, March 17th



Workshops were also held with groups of diverse stakeholders who had previously provided input in a stakeholder forum in earlier phases of the ESS and CEEP processes. Generally, these events involved a presentation, followed by interactive small group discussions, or “flash-survey” activities for larger groups. These events are also summarized in **Table 1** (on page 7) and in **Appendix A**.

7. Techniques

The white rows of **Table 2** (below), show the techniques that had been used successfully in earlier phases that were used again in Phase 3. Techniques unique to Phase 3 are shaded green in **Table 2** (below). The mix of these different techniques used at each event is listed in **Appendix A**.

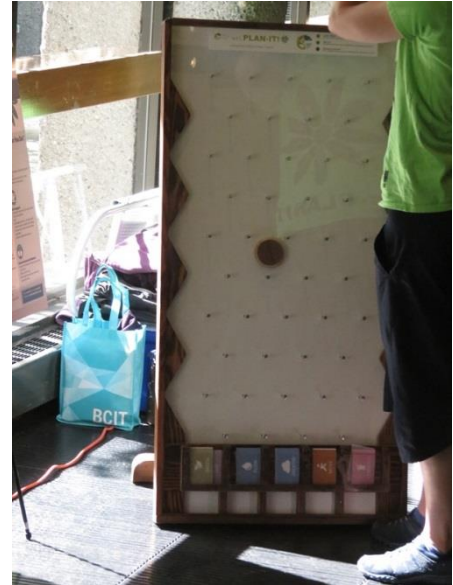
Table 2. Summary of Techniques Used in Phase 3 Public Consultation

AWARENESS	
Conversations	Short chats at public events about the ESS process and what the project is about.
Presentation	Presentations that featured information on the Draft ESS and/or Draft CEEP frameworks, process and next steps.
Plinko Trivia Game	Large Plinko rack used to engage people and select ESS-related trivia questions.
Email Updates	Updates sent to the over 450 people who had subscribed to the ESS e-mail list for project updates.
Website	www.burnaby.ca/ess-input - includes background info and links to events, documents and activities.
Twitter Impressions	Text and photos issued live from events while they were happening.
InfoBurnaby	Cover story on the ESS and CEEP in the spring 2016 issue. InfoBurnaby is issued to over 96,000 homes and businesses in Burnaby.
INPUT	
Information Displays and Brochures	Display boards used at public events.
Webinar	Virtual meeting hosted online that included PDF information displays, hot-dotting activities, and small group discussions.
“My Draft ESS” Questionnaire and “My Draft CEEP” Questionnaire	Online questionnaires, mobile versions taken to events on iPads.
Hot-Dotting Display Panels	Green dots were used to mark items of support and red dots were used to mark items of concern. Comments about concerns were also recorded.
Facilitated Small Group Discussions	Facilitated small-group discussions in which participants shared their ideas.
Flash-Survey	Interactive game to collect input on the 10 draft ESS goals, supporting strategies and suggested actions.
CEEP CAN Tool	Interactive community energy and emissions computer model.
Scrawl Wall	People were asked to put text and images to tell us about their ideas for what they liked, are doing and how to engage in a Green Burnaby.
Eco-Kids-Crafts	Kids’ craft table using recycled materials, to engage children while parents participated in other activities.
Green Map	Large air photo map to engage people and mark homes and places of work in Burnaby.
Community Engagement Staff	City staff who assisted at events.



For Phase 3, a number of new techniques were also used that were unique to Phase 3, as described below.

Plinko Trivia Game – This was an activity geared towards children, but adults were also welcomed to try it! The player inserts a wood disk in the top of a board with pegs, and the disk bounces down the pegs into one of five slots at the bottom. This was used to select cards with trivia questions related to the ESS and CEEP material. Promotional ‘eco-pens’ were offered as prizes. Children enjoyed the hands-on activity of watching the disks drop, as well as answering the questions, and it allowed other staff an opportunity to engage their parents/guardians in a more formal conversation or to complete an online questionnaire.



Webinar – A distance-based-learning class at BCIT, *“Introduction to Community Energy and Emissions Planning”* (CESA 5110), was engaged using an online webinar, which included sharing a slide deck, interactive brainstorming by the students, and small group work.

“My Draft ESS” and “My Draft CEEP” Online Questionnaires - The Phase 3 *“My Draft ESS”* questionnaire (see **Appendix B**) was shorter compared to Phase 2, since Phase 3 engaged people at a higher level check-in to complete the process. The Phase 3 *“My Draft ESS”* questionnaire began with introductory material, and then allowed selecting one or more of the 10 draft ESS goals. People were then asked to review a one-page summary of the goal, strategies and suggested actions, then respond with their “level of support”, and to provide any general comments. A final page asked about their relationship to Burnaby and optional contact information to enter the prize draw.

The *“My Draft CEEP”* questionnaire was longer since it was the first time the draft CEEP material was shared with the public (see **Appendix C**). In each section, background information was provided and responses were invited. It began by presenting information about “Burnaby Today” (baseline energy use and emissions), then draft emissions reduction targets, followed by draft strategies for each of four sectors.

Flash-Survey – At some public events a poster version of the *“My Draft ESS”* questionnaire was provided as a “flash-survey”. Each poster focused on one of the 10 ESS themes and included a goal, strategies and suggested actions for that theme. Underneath was the same “level of support” scale (strongly support, support, neutral, oppose, strongly oppose, don’t know) used for the online survey, and participants were invited to place dots in the space corresponding to their reaction to the material.



CEEP Can Tool – The Draft CEEP was based on applying a science-based emissions model to examine Burnaby’s current emissions and possible scenarios for reducing emissions. It is an interactive model where different strategies for reducing emissions can be chosen (toggled on or off), and the effects on overall community emissions are shown graphically. Costs of the strategies are also estimated at a high level. The model was used in earlier phases of the CEEP, to engage the project steering committee, the ESS Steering Committee, and community stakeholders. During Phase 3, the model was shared with workshop participants and the public during one of the events (SFU Science Rendezvous). It has proven to be a successful way to illustrate the effects of different types of emissions reduction strategies, and to focus discussion in a meaningful way.



The CEEP CAN Tool set up at the SFU Science Rendezvous event

For a description of the other techniques used previously in Phase 2, please see the summary of the Phase 2, “Exploring Further”, public consultation located at www.burnaby.ca/ess-input-summary-2.

8. Results

Total People Engaged

Over 5,600 people became aware of the release of the *Draft ESS* and *Draft CEEP* and over 580 people were engaged and provided feedback on the two draft reports during the Phase 3 public consultation, as shown in **Table 3** (next page). As shown in **Appendix D** the people who answered the questionnaires were from a broad range of age groups (with the exception of youth who were engaged directly through two youth specific workshops) and were mainly



people who live and work in Burnaby but also included people who go to school in Burnaby, have some other reason for coming to Burnaby, and City of Burnaby employees.

Table 3. Summary of people contacted and engaged during Phase 3 public consultation.

Number of People												
Awareness (Contacted)							Engagement (Input)					
	Conversations	Presentations (less conversations)	Email Updates	www.burnaby.ca/ess-input	Twitter Impressions	Sub-Totals	InfoBurnaby	Activities	Flash-Survey	Discussion	Questionnaires	Sub-Totals
CEEP	20			234	766	1,020	✓	78			37	115
ESS	406	424	453	1,857	1,496	4,636	✓	116	28	7	317	468
TOTAL	426	424	453	2,091	2,262	5,656	96,000	194	28	7	354	583

ESS Feedback

Each of the 10 draft ESS goals received strong interest (number of responses) as shown in **Figure 3** (next page), with *Move*, *Build*, and *Nourish* ranked at the top. There was a high level of support (ranging from 87% to 99% support) for the 10 draft ESS goals, 49 draft ESS strategies, and suggested actions, as shown in **Figure 4** (next page), based on the completed online “My Draft ESS” questionnaires and a “flash-survey” activity completed at the BBOT Green Talks event².

² The Green Talks responses are included here since the activity was structured in the same way as the online questionnaire: at the bottom of posters for each of the ESS theme areas (goal, strategies, actions), a grid with level of support was provided and respondents were asked to place dots in the applicable “support-oppose” category.



Figure 3
Level of Interest - ESS Goals/Strategies/Actions
Questionnaire and "Flash-Survey" Results
 (345 people giving 1,004 responses)

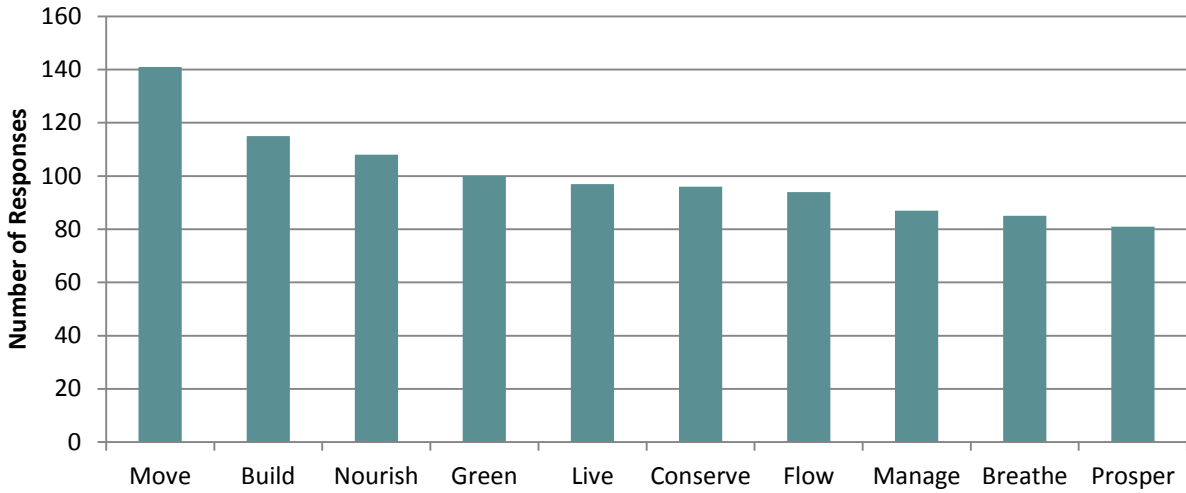
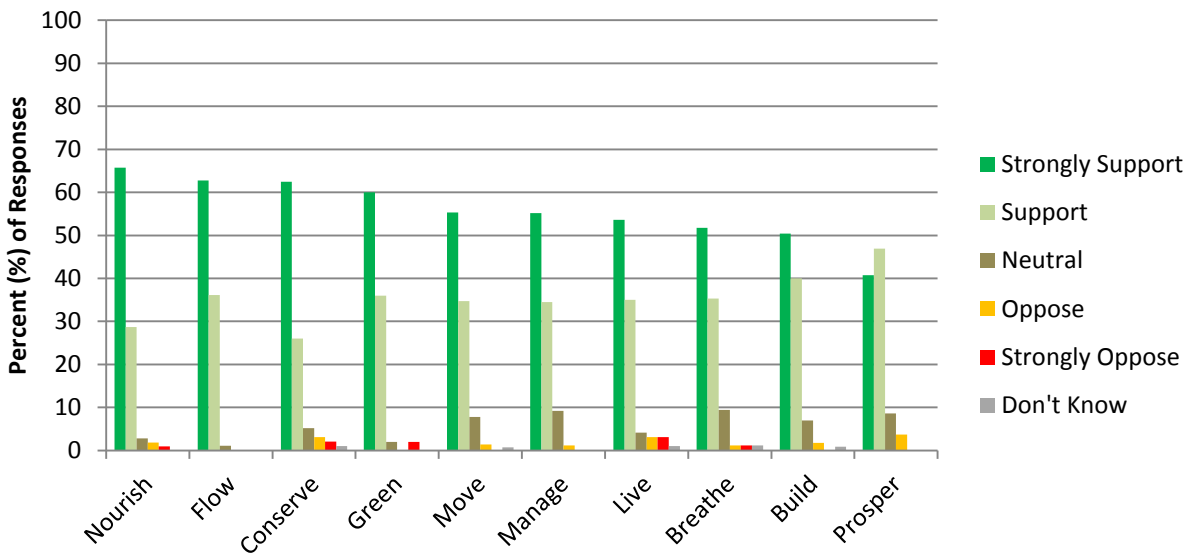
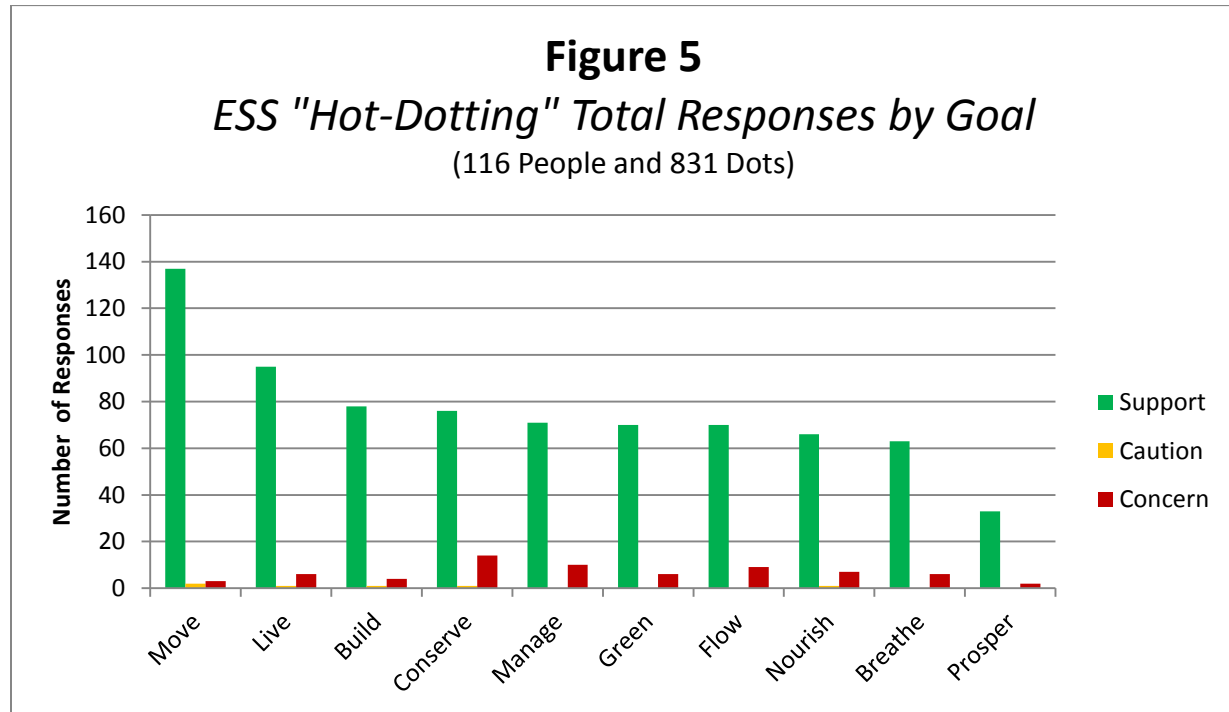


Figure 4
Level of Support - ESS Goals/Strategies/Actions
 (345 People: 317 Questionnaires and 28 "Flash-Surveys")



In addition to the “My Draft ESS” online questionnaire and “flash-Survey” feedback on the draft ESS goals, strategies and suggested actions was also collected at the workshops using a “hot-dotting” activity. People were invited to place green dots beside items they “support”, yellow dots beside items of “caution” and red dots next to items of “concern”. The results of the “hot-dotting” activity, shown in **Figure 5** (below), shows similar results to the “My Draft ESS” online questionnaire and “flash-survey” results – high levels of support for all of the 10 draft ESS theme-based goals and *Move*, *Live* and *Build* having the highest levels of support.



In addition to indicating level of support, the “My Draft ESS” questionnaire and interactive activities provided opportunities for people to provide comments. The comments were categorized as in **Figure 6** (next page). Some comments expressed general support and personal values (reasons for supporting the plan), while many also expressed priorities and areas where the City could continue to improve. This summary demonstrates interest in a wide array of topics related to sustainability, with protection of greenspace, improving walkability and bike-ability, and recycling and waste reduction among the top priorities. **Figure 6** also notes which of these topics have a direct connection or linkage to the CEEP (10 in all), which include many of highest ranking topics in terms of level of response, illustrating the close interrelationship between these two plans. Although there were a few areas of concern (shaded as orange bars in **Figure 6**), the large majority of comments were positive and constructive and are related to elements of the plan which will allow for action on the topics of interest.



Figure 6

Phase 3 ESS Comments - Questionnaires, Display Panels, Individual Submissions, Green Talks
 (470 people making 954 comments)

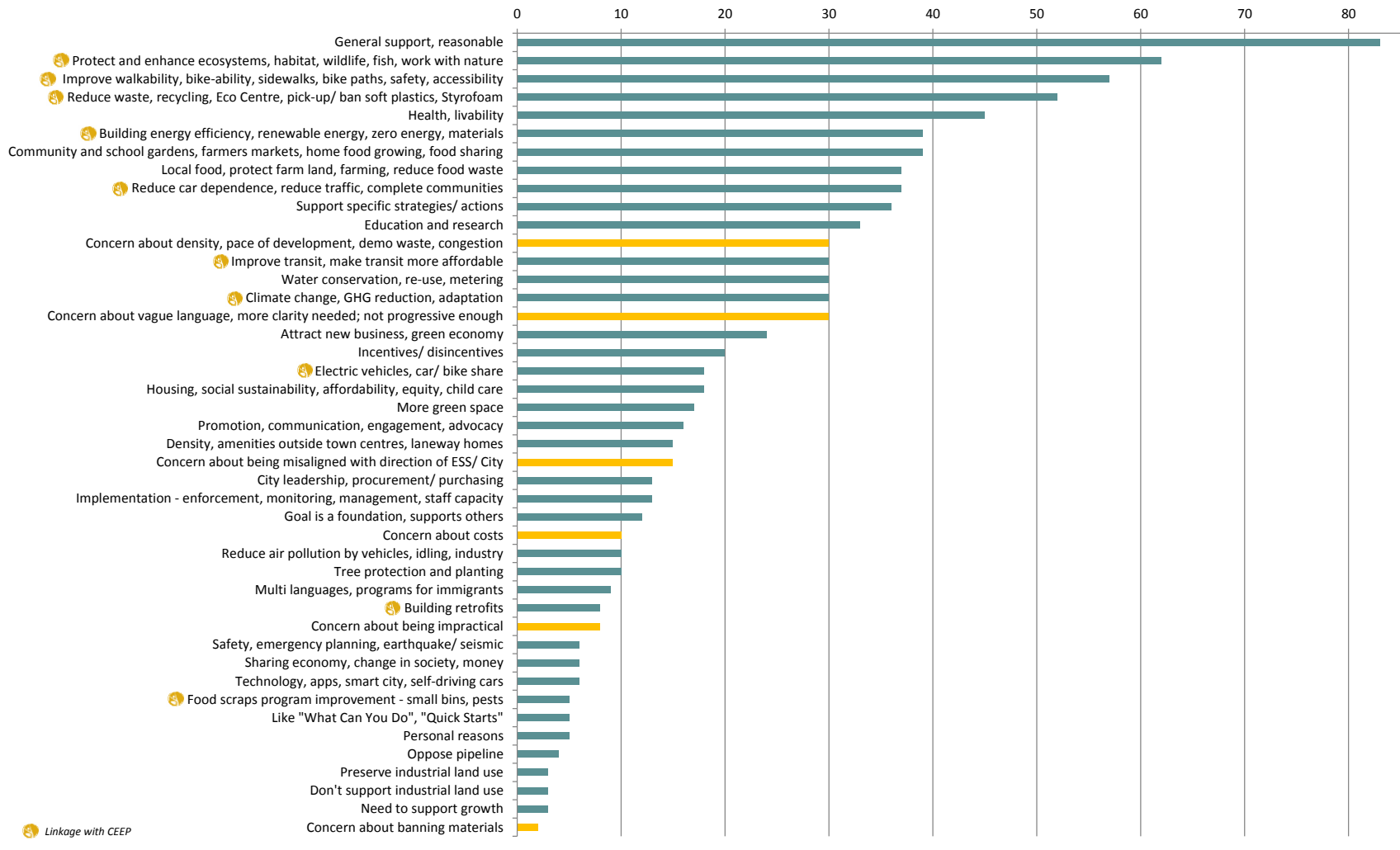
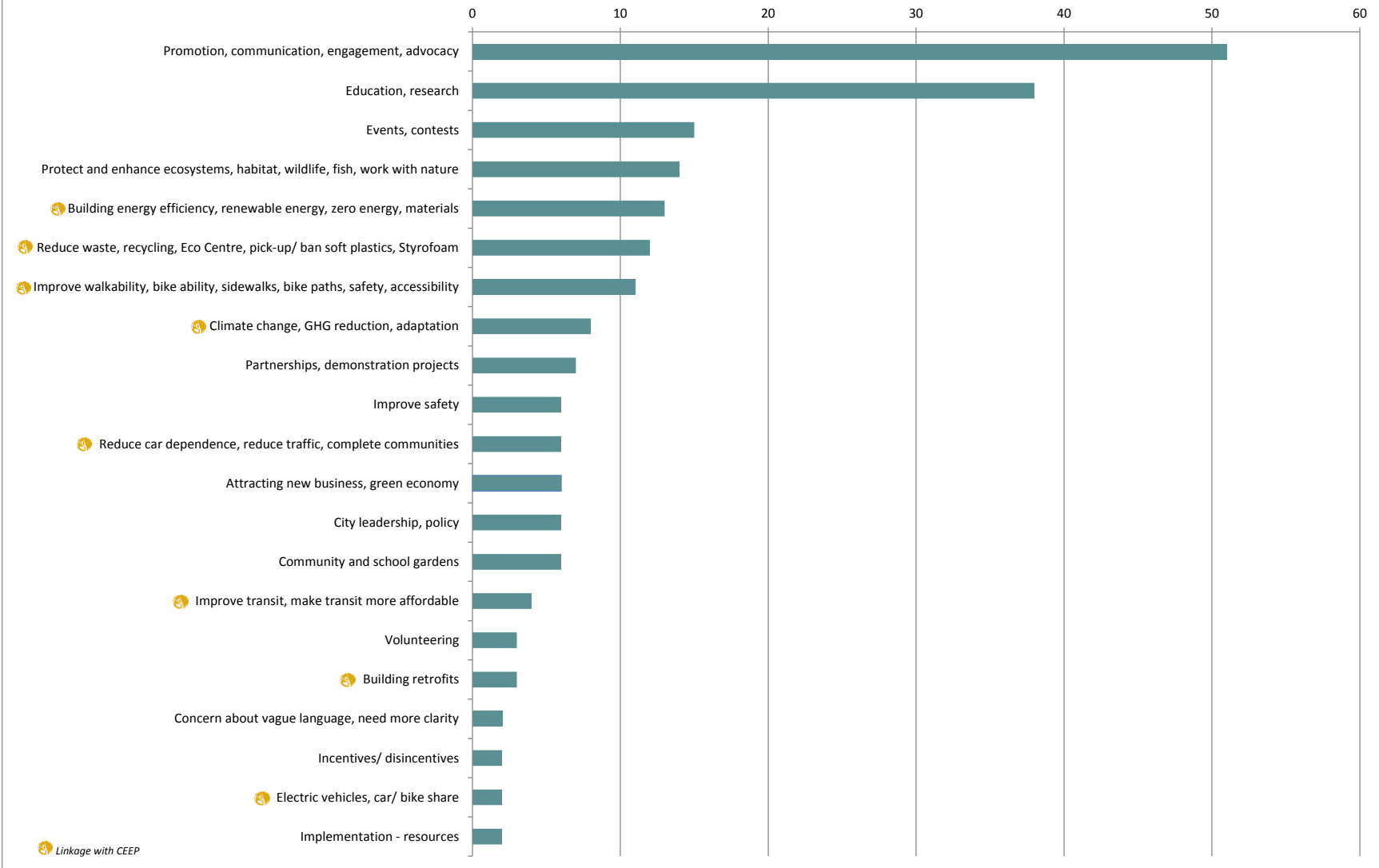


Figure 7

ESS Phase 3 Workshop Comments

(38 people, 217 comments)



Comments resulting from workshops, specifically the ESS Community Stakeholder workshop (2016 April 6) and the Burnaby Youth Sustainability Network workshop (2016 April 11), are reported separately in **Figure 7** (previous page), since participants were asked different types of questions related more to the implementation of the ESS. For this reason, comments related to promotion, communication, engagement, advocacy, education and research dominated the responses.

In addition to summarizing the topic of the comments, all comments were screened for possible new ideas and concerns/opportunities that may not have been captured in the ESS framework. Most comments that suggested changes to the Draft ESS were related to the “*suggested actions*” layer of the ESS Framework. This input collected during Phase 3 was used to help create the Final ESS Report.

CEEP Feedback

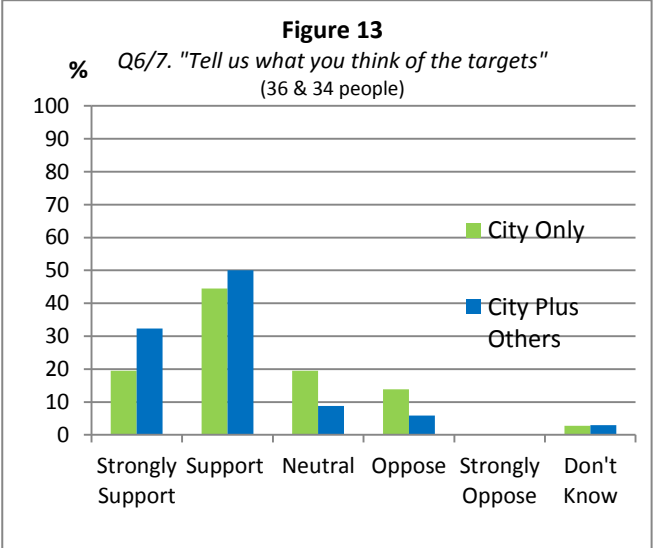
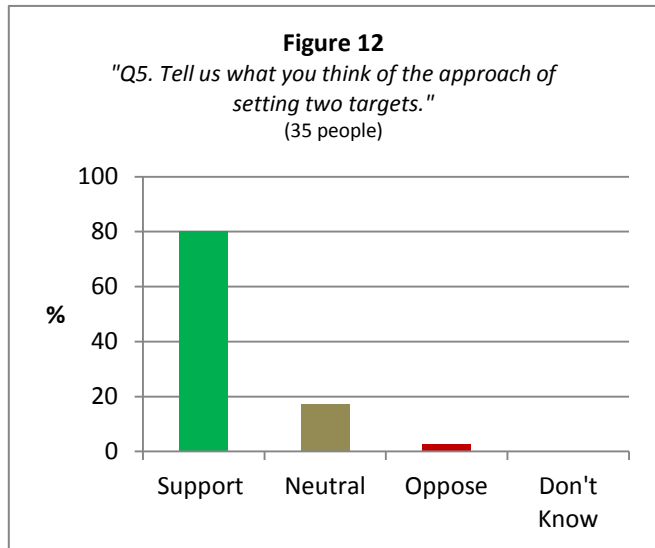
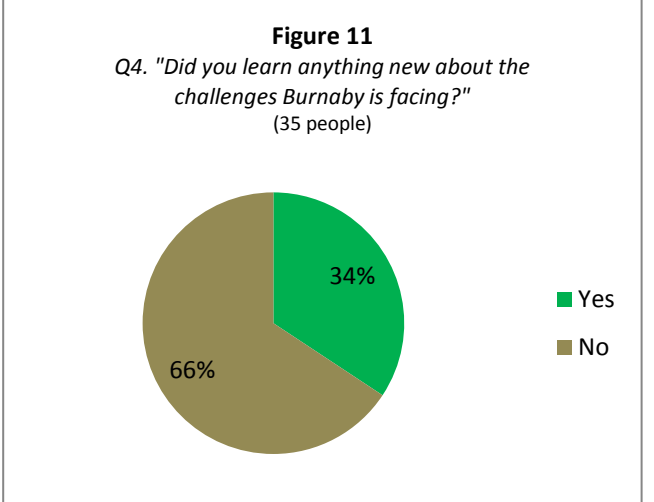
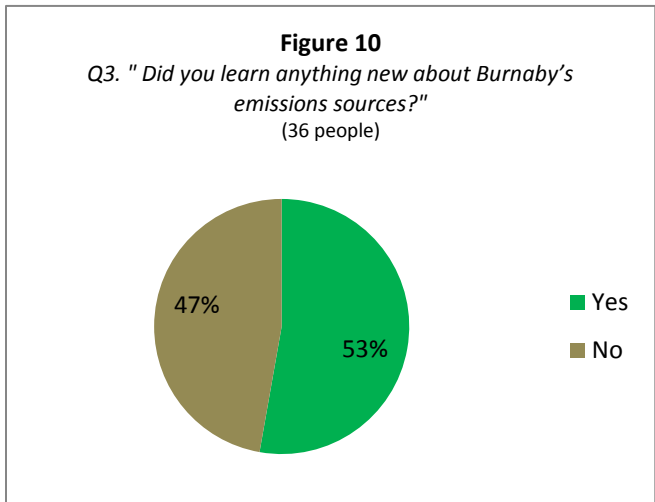
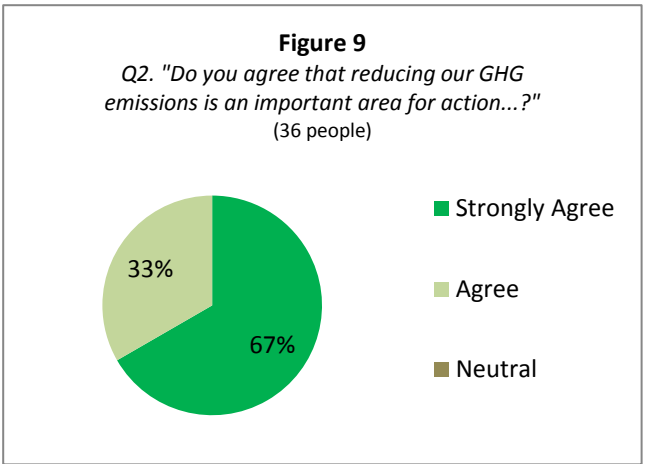
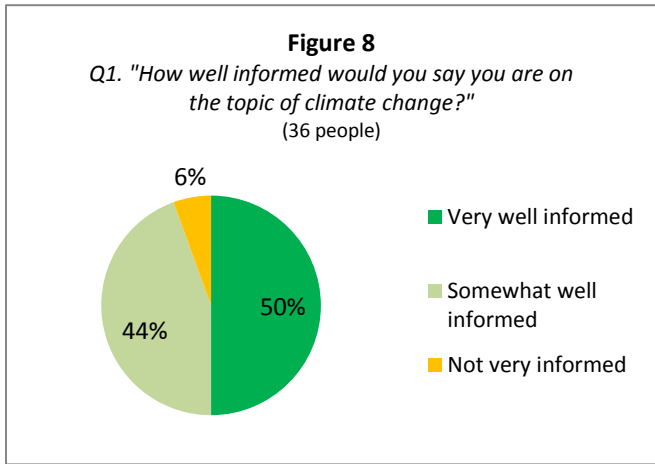
Over 1,000 people were reached through the “awareness” stream of CEEP consultation and provided the opportunity to comment. As noted above, the level of direct “engagement” on the CEEP was more modest than the ESS. This was expected, due to the more technical nature of the material, and the more detailed nature of the “*My Draft CEEP*” questionnaire. The coupling of the CEEP with the ESS during Phase 3 is thought to have contributed to a much more successful level of awareness and engagement than if the CEEP had been shared as a stand-alone initiative.

The CEEP questionnaire (see **Appendix C**) was structured somewhat differently than the ESS questionnaire, since this was the first opportunity for the public to provide feedback on the CEEP. It included more information, asked more questions, and it allowed people the opportunity to comment on targets and individual strategies.

The first two questions gauged people’s awareness of climate change and support for taking action. As shown in **Figure 8** (next page), most people (94%) reported they were “somewhat” to “very” well-informed about climate change, and as shown in **Figure 9** (next page), all agreed that reducing GHG emissions is an important area for action.

Following information on Burnaby’s GHG emissions today, Questions 3 and 4 asked if people learned anything new or surprising. As shown in **Figures 10** and **11** (next page), a significant number of respondents reported they did learn something new, such as surprise that transportation or buildings was such a large percentage of Burnaby’s emissions, that Burnaby’s per capita emissions relative to other communities was different than expected, or that Burnaby’s population is predicted to grow so significantly in the future. This suggests that communicating about baseline emissions is an important component of the CEEP.



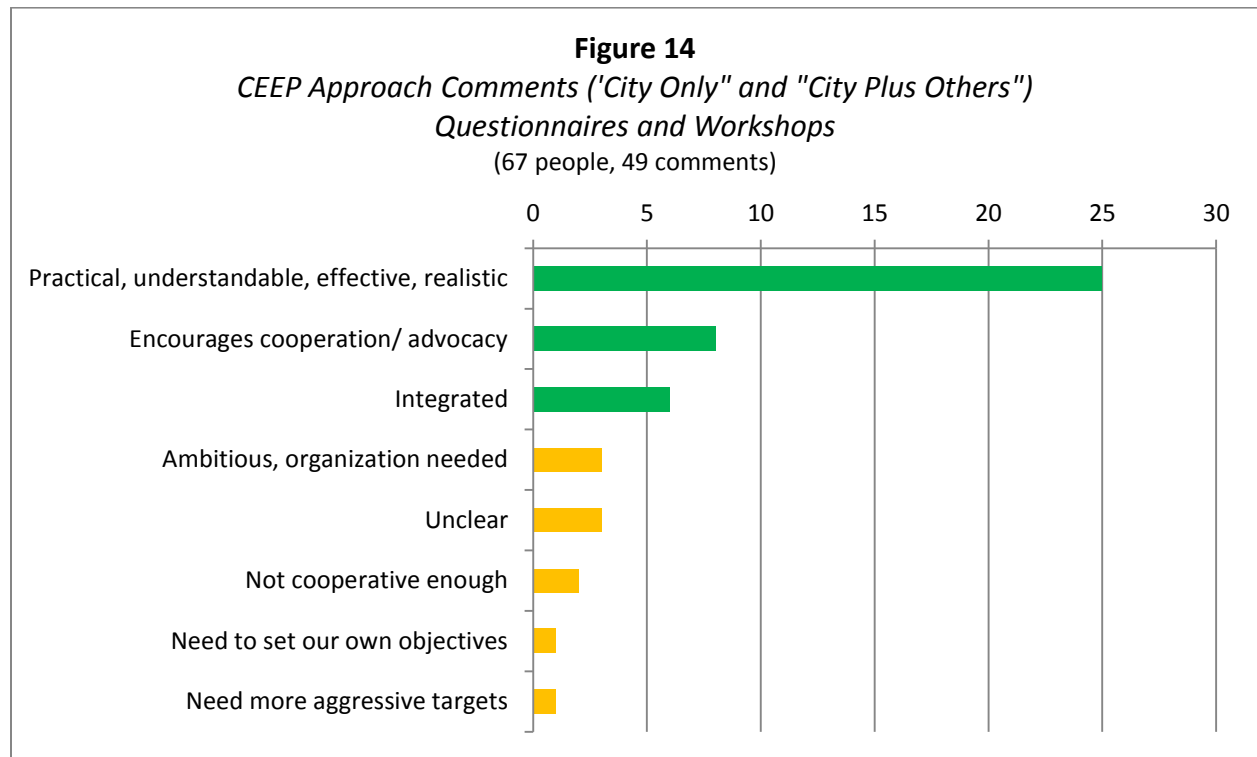


The Two-Target Approach – “City Only” and “City Plus Others”

Questions 5 (Figure 12, previous page) through 7 (Figure 13, previous page) gauged people’s level of support for the targets and strategies outlined in the Draft CEEP framework. The large majority of respondents (about 80%) reported they supported the approach of setting two targets, as shown above, and there was significant support for both of the targets themselves (64% for the “City Only” target and 82% for the “City Plus Others” target). However, as discussed below, the qualitative comments revealed some concerns not evident in these initial responses.

Comments received from both “My Draft CEEP” questionnaire (37 people) and the three CEEP workshops (30 people) were grouped by theme and presented in Figures 14 through 18 (below to page 24).

The mostly positive comments on the two target approach (“City Only” and “City Plus Others”) summarized in Figure 14 aligns fairly well with the responses to Question 5 of the “My Draft CEEP” questionnaire on “level of support” (Figure 12, previous page).



The Level of the Targets

Figure 15 (next page) shows the 30 people who attended the three CEEP workshops had mixed opinions on the level of the targets (three saying “too high, ambitious, lofty”, 10 saying



“realistic, fair, achievable, doable”, six saying “too low, too weak” and three saying “vague, theoretical, disconnected”).

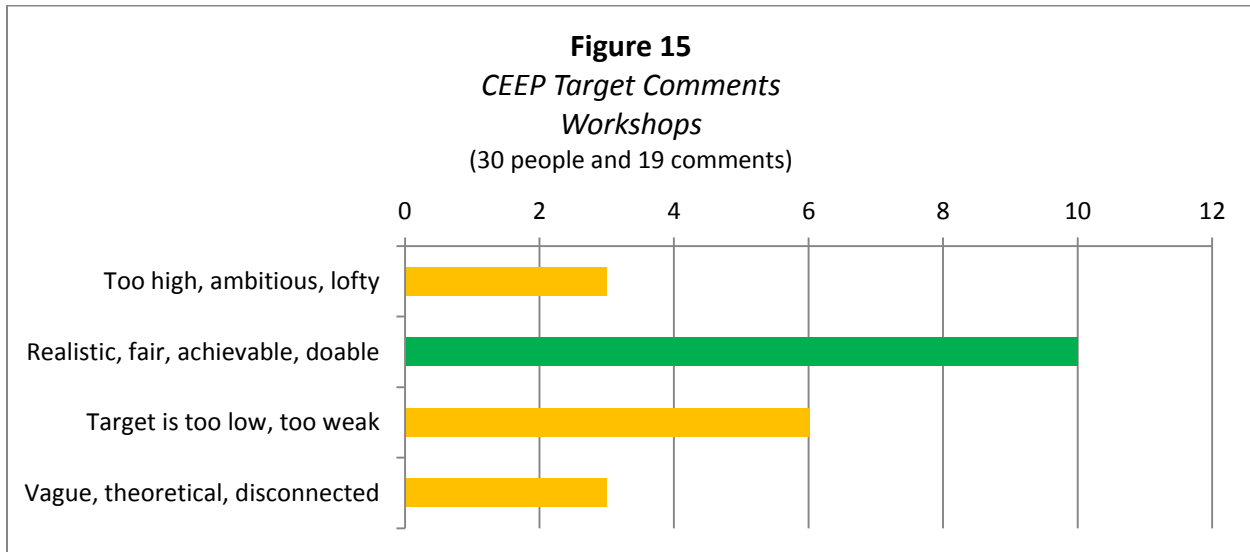
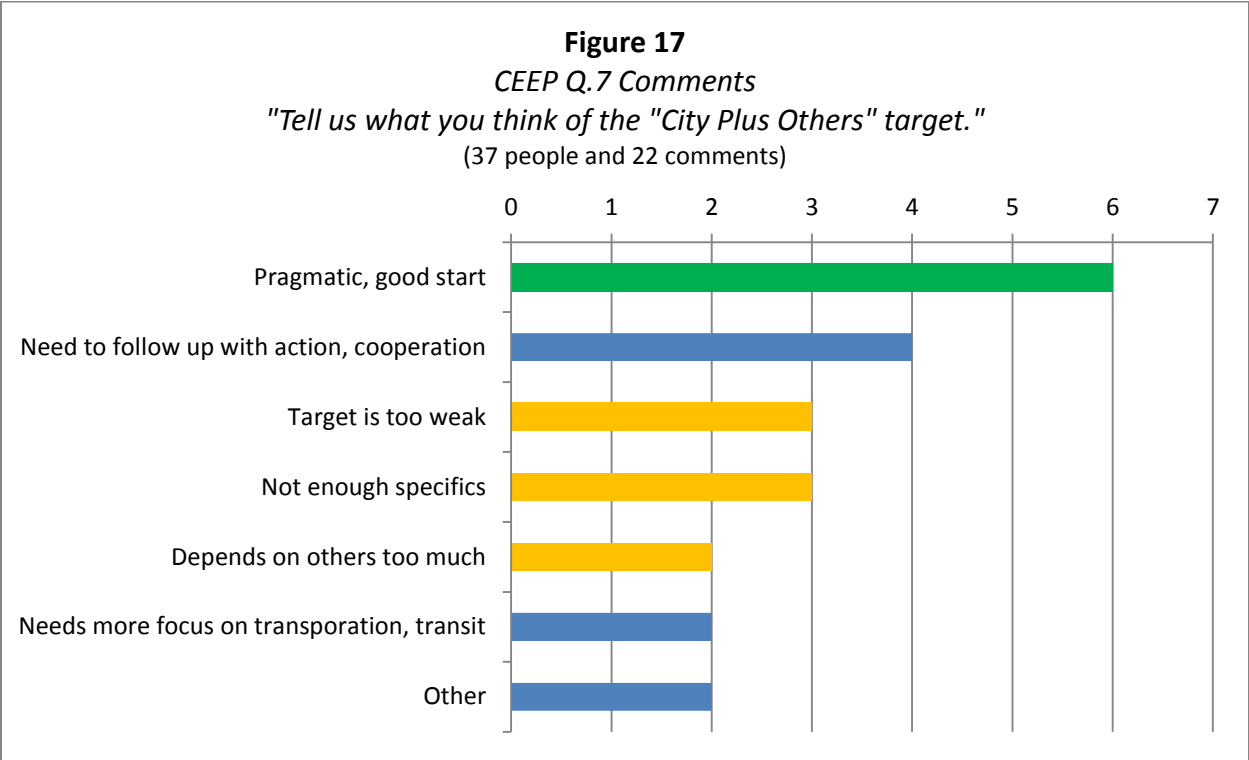
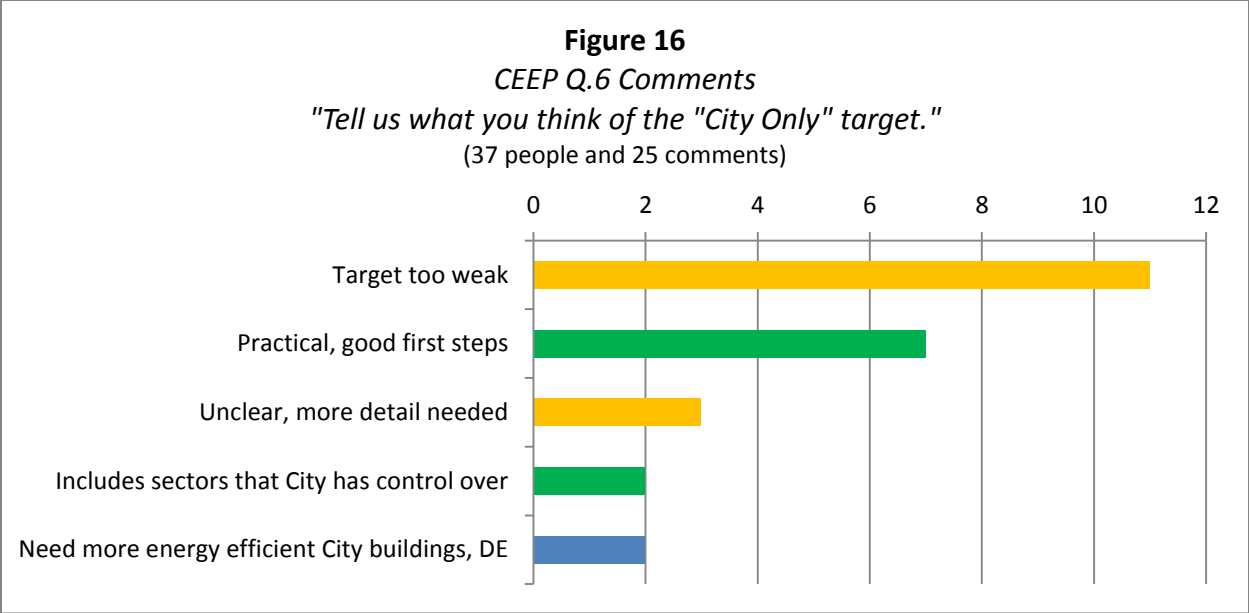


Figure 15 (above) is a reflection of the wide ranging conversations and small group discussions that took place at three CEEP workshops about setting targets. On one hand, some people noted that globally scientists are recommending very aggressive targets as necessary to avoid the most severe climate change scenarios. On the other hand, those people familiar with local government jurisdiction and limitations acknowledge the significant challenges involved in delivering on more aggressive targets, particularly because it requires people to change their behaviour on a community scale. Many people engaged in these conversations agreed it is necessary to take action and that the City’s approach is pragmatic and “a good start” that can be built upon in future.

The responses to the “*My Draft CEEP*” questionnaire offer additional insight as the questionnaire asked about the two targets separately – first about the “*City Only*” target and then about the “*City Plus Others*” target. **Figure 16** (next page) shows there is some concern about the “*City Only*” target being too low even though the remainder of the comments are generally supportive.

Figure 17 (next page) shows there a higher level of support for the “*City Plus Others*” target, which is likely a recognition the “*City Plus Others*” target is larger than the “*City Only*” target.





The following points are suggested by the input received from the *"My Draft CEEP"* questionnaire responses combined with input received from the three CEEP workshops:

- It seems likely that people responded positively to the "level of support" for the two proposed targets even if they had concerns that it did not go far enough, based on the premise that it is still better to have a target even if they think it is less than ideal.



- The “*City Plus Others*” target likely helps to offset concerns about the “*City Only*” target being too low.

In conclusion, notwithstanding some of the concerns noted in these comments, the targets are consistent with the approach outlined in the CEEP, of committing to GHG reduction that is pragmatic and achievable. Including the “*City Plus Others*” target is a unique approach that can clearly distinguish where the City’s influence is limited and establish a platform for advocacy and partnerships with others.

Four Sector Focused Strategies

The Draft CEEP included strategies and actions in four key sectors – *Buildings, District Energy, Transportation, and Solid Waste*.

Questions 8 through 11 asked if people supported the strategies in each of the sectors, and invited comments. Overall, there was a very high level of support for all the strategies, with very few exceptions, as shown in **Appendix E**. As was done for the ESS comments, the CEEP comments were grouped into common themes, shown in **Figure 18** (next page). Most CEEP comments related to specific suggested actions. The top three categories of suggestions focused on requirements for energy efficiency in buildings, improving transit, and recycling and waste reduction. It is interesting to note that many of the top suggestions for the CEEP also ranked highly in the ESS comments (**Figure 6** on page 15).

Figure 19 (on page 24) summarizes the additional input and response to the various elements of the Draft CEEP collected using CEEP “hot-dotting” activities used at various Phase 3 events (as listed in **Appendix A**) and highlights the following points:

- All elements of the Draft CEEP received significantly more support than concern.
- *Buildings* had significantly more support than the other three groups of sector strategies – *District Energy, Solid Waste, and Transportation*.
- The hierarchy of priorities for *Buildings* (from highest to lowest: use land efficiently, reduce demand, use efficient systems, re-use waste heat, and use renewable energy) was strongly supported.
- The “*City Only Actions*” (including the four groups of sector strategies) had more support than the “*Actions by Others*”.
- Draft CEEP structure of six broad themes was also well supported - two city-wide (demonstrate leadership and compact land use) and four sectors (*Buildings, District Energy, Transportation and Solid Waste*).



Figure 18
CEEP Sector Comments
Questionnaire, Display Panels, Workshops
 (115 people, 242 comments)

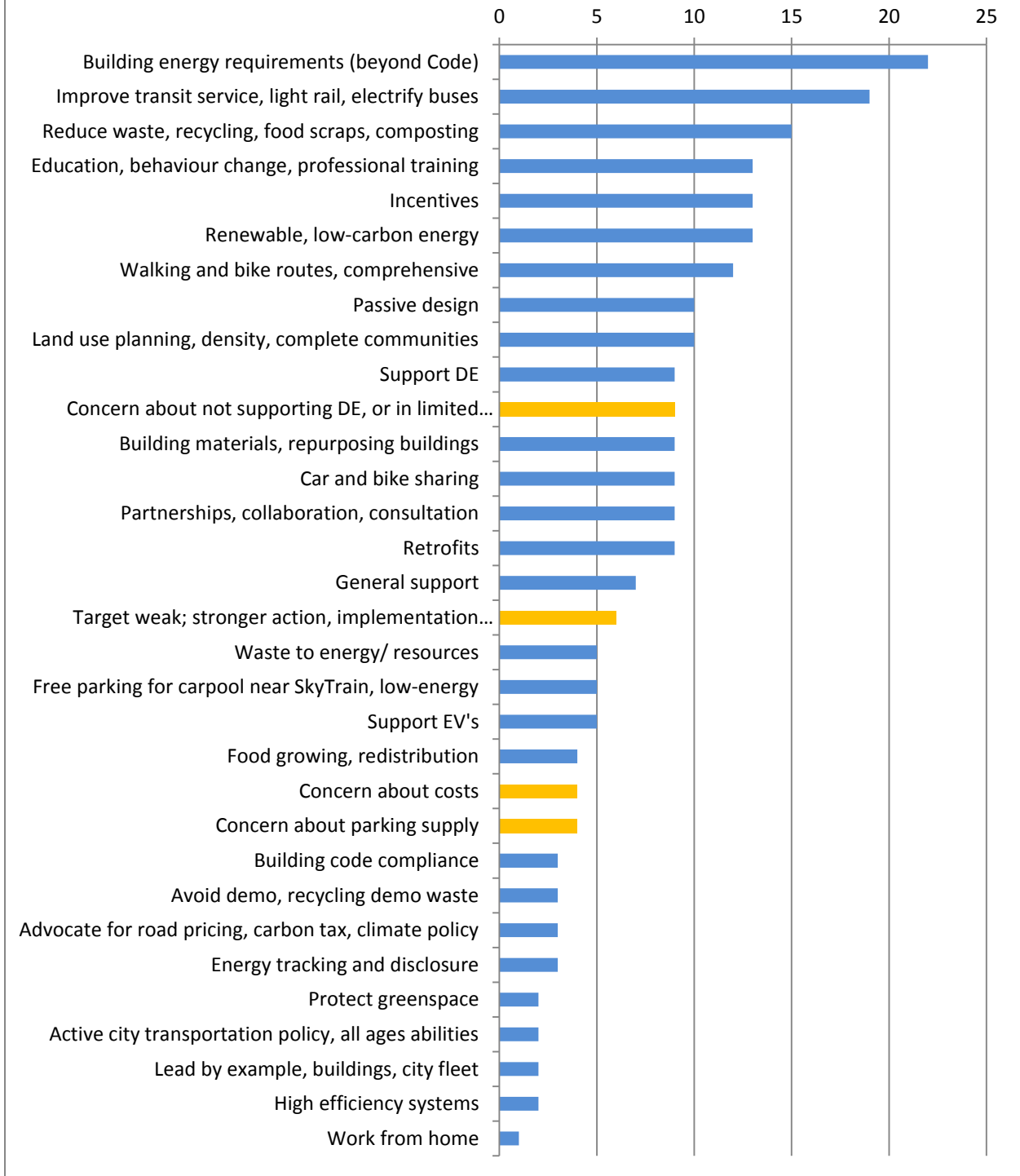
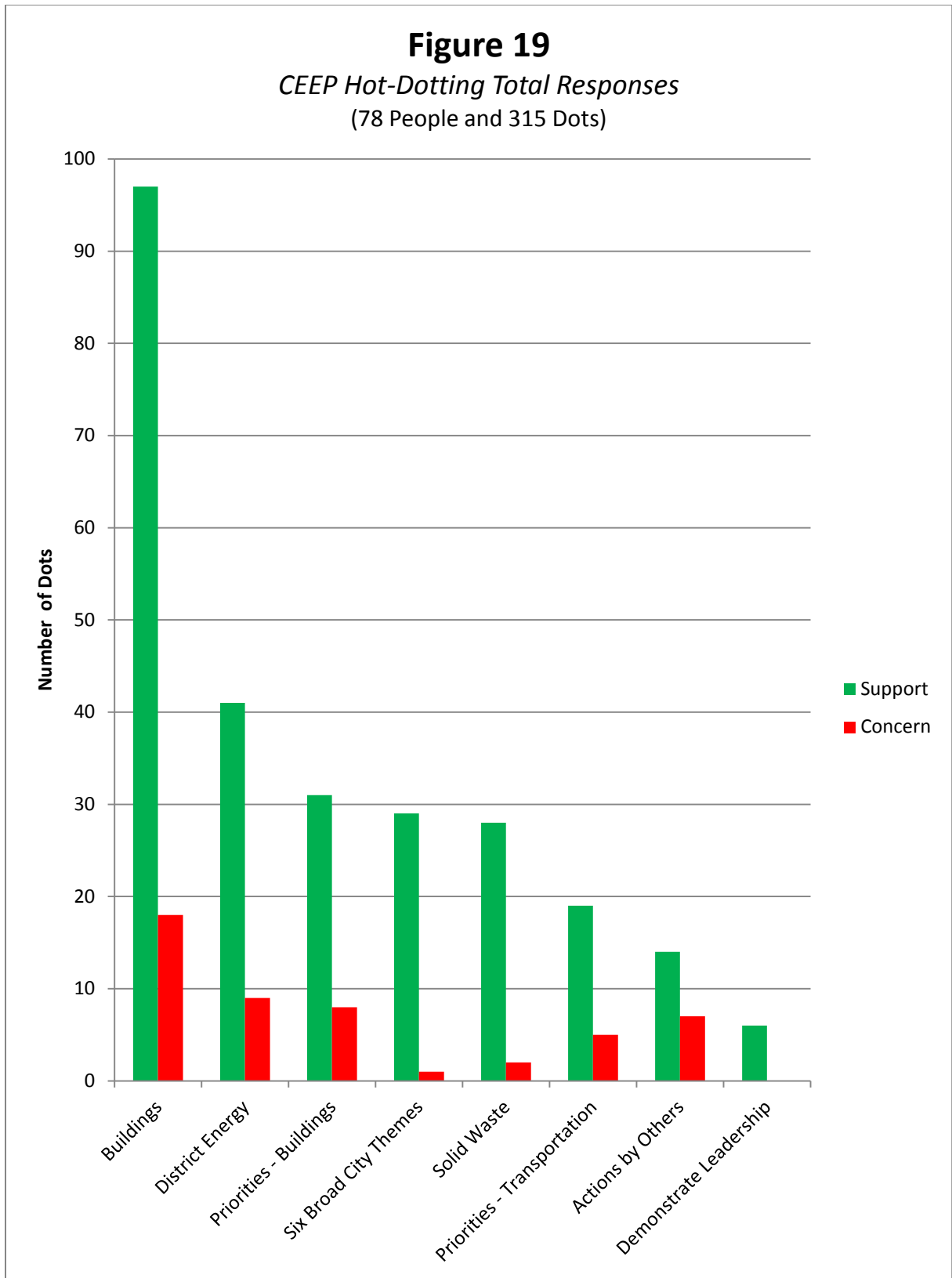


Figure 19

CEEP Hot-Dotting Total Responses
(78 People and 315 Dots)



Final CEEP Report

The input collected during Phase 3 was used to adjust the draft CEEP framework to better align with the ESS draft goals (primarily *Live, Move, Build, Conserve* and *Manage*), to create suggested actions which support the CEEP strategies, and to create the Final CEEP report.



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Appendix A. The Mix of Techniques Used at Each Event

Method	Description	BBOT Environment Committee (Mar 16)	BCIT Eng Students (Mar 17)	BCIT Con & Env Students (Mar 30)	ESS Stakeholder Workshop (Apr 6)	BCIT Open House (Apr 8-9)	BYSN - Burnaby Youth Network (April 11)	CEEP Stakeholder Workshop (April 13)	ESS Public Drop-In Workshop (April 20)	BBOT State of the City Address (Apr 26)	SFU Science Rendezvous (May 7)	BBOT Green Talks (May 13)	Great Salmon Send-Off (May 14)	Woman2Warrior (May 15)	UDI (May 19)	Environmental Festival (May 28)	Moscrop Environment Week (June 16)
	ESS	●			●	●	●		●	●	●	●	●	●	●	●	●
	CEEP		●	●	○	●		●	●	●	●	●	●	●	●	●	●
AWARENESS																	
Conversations	Short chats at public events about the ESS process and what the project is about.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Presentations	Presentations that featured information on the Draft ESS and/or Draft CEEP frameworks, process and next steps.	✓	✓	✓	✓		✓	✓	✓	✓		✓			✓		✓
Plinko Trivia Game	Large Plinko rack used to engage people and select ESS-related trivia questions.										✓					✓	
Email Updates	Updates sent to the over 450 people who had subscribed to the ESS e-mail list for project updates.	✓				✓											
Website	www.burnaby.ca/ess-input - includes background info and links to events, documents and activities.	May 17, 2013 - present															
Twitter Impressions	Text and photos issued live from events while they were happening.				✓			✓	✓								
InfoBurnaby	Cover story on the ESS and CEEP in the spring 2016 issue. InfoBurnaby is issued to over 96,000 homes and businesses in Burnaby.									Spring 2016 Edition							
INPUT																	
Information Displays and Brochures	Display boards used at public events.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Webinar	Virtual meeting hosted online that included PDF information displays, hot-dotting activities, and small group discussions.			✓													
"My Draft ESS" Questionnaire	Online questionnaires.	March 6, 2016 – May 28, 2016															
"My Draft CEEP" Questionnaire	Mobile questionnaires taken to events on iPads.				✓				✓	✓	✓	✓	✓	✓		✓	
Hot-Dotting Display Panels	Green dots were used to mark items of support and red dots were used to mark items of concern. Comments about concerns were also recorded.		✓	✓	✓		✓	✓	✓								✓
Facilitated Small Group Discussions	Facilitated small-group discussions in which participants shared their ideas.		✓	✓	✓		✓	✓	✓								✓
Flash-Survey	Interactive game to collect input on the 10 draft ESS goals, supporting strategies and suggested actions.											✓					
CEEP CAN Tool	Interactive community energy and emissions computer model.										✓						
Scrawl Wall	People were asked to put text and images to tell us about their ideas for what they liked, are doing and how to engage in a Green Burnaby.								✓							✓	
Eco-Kids-Crafts	Kids' craft table using recycled materials, to engage children while parents participated in other activities.								✓							✓	
Green Map	Large air photo map to engage people and mark homes and places of work in Burnaby.								✓								
Community Engagement Staff	City staff who assist at events.					✓			✓	✓	✓	✓	✓	✓		✓	



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My Draft ESS Questionnaire

Thank you for getting involved!

Introduction

The City of Burnaby is on its way to becoming one of the greenest cities in the world.

The Environmental Sustainability Strategy (ESS) is a plan for Burnaby's "green" future. The ESS will build on existing success and leadership and integrate with the recently completed Social and Economic Sustainability Strategies.

We're nearing the end of the process and are now in "Phase 3: *Draft ESS*", the last phase of public consultation before the ESS is forwarded to Council for adoption. For more information on the ESS and the process, please visit www.burnaby.ca/ess-input.

How Was the Draft ESS Created?

To date over 2,100 people have participated in the ESS process and have contributed over 7,000 ideas that helped to shape the Draft ESS. We are excited to share the Draft ESS including its framework and priorities, with you!

To view the Draft ESS please visit: www.burnaby.ca/ess-input



10

Sub-Committee Meetings



1,200+

Questionnaire Responses



25

Public Events



2,100+

People Engaged



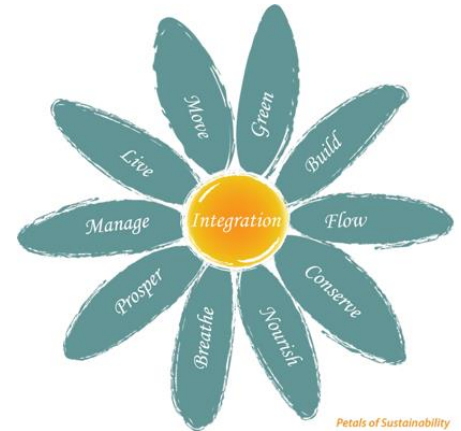
7,000+

Ideas
Collected

Questionnaire Purpose: Are We On the Right Track?

The *framework* of the Draft ESS is organized into 10 themes, shown in the image to the right. We have drafted goals, strategies, and suggested actions for each theme based on public, stakeholder, and Steering Committee input received so far.

Before we submit the ESS to Council for adoption, we want to know if we're on the right track. This questionnaire shares the draft ESS *framework* of goals, strategies and suggested actions with you. Please tell us what you think!



Are the Priorities Right?

Within the Draft ESS a number of strategies and actions have been identified as the place to start work - these are called “Big Moves” and “Quick Starts”. When looking at a goal, please start with these priority items and tell us what you think - are they important to you?



NEW Big Moves



“Quick Starts”

How to Complete the Questionnaire?

A Little or a Lot - the Choice is Yours!

We really value your time and ideas. Participants who complete the questionnaire by May 31, 2016 will be entered into a draw to win some of the **\$1,200 in prizes**.

1

Provide input on at least **one (1) goal** and complete **the questions about you** on the last page to be entered in a draw to win one of the following:

10 Petals of ESS Flower

10 ESS Stormtech jackets (\$120 each)

49 Strategies

1 \$49 Burnaby Farmers' Market gift certificate



10

Provide responses to **all ten (10) goals** and *complete the questions about you* on the last page to be entered in a draw a second time.

The questionnaire will take between **10 and 45 minutes** to complete, depending on how many goals you choose to provide feedback on.

Complete the Questionnaire for your Chance to Win!

Get to know the ESS Goals









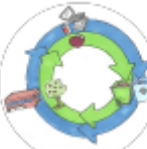

The Environmental Sustainability Strategy (ESS) is organized around 10 goals.

Which of the 10 goals matter most to you?

To begin this questionnaire, please take a moment to become familiar with the 10 ESS goals shown below, then pick the **one** that is most important to you.

You are also welcome to respond to **more than one goal**.

If you want to answer **all 10**, please start with GREEN.


				
Green	Flow	Breathe	Live	Move
1. Healthy and resilient ecosystems.	2. Healthy and resilient watersheds.	3. A community resilient to climate change, with clean air and low carbon emissions.	4. A network of compact and complete communities, within a fabric of healthy ecosystems.	5. A walkable, bikeable, and transit-supported city that supports a healthy community and environment.
				
Build	Prosper	Nourish	Conserve	Manage
6. Buildings and infrastructure that have a positive impact on the environment.	7. A prosperous economy that supports a healthy environment.	8. A food system that supports healthy people, a healthy community, and a healthy environment.	9. World-leading waste reduction, diversion, and management.	10. Environmentally aware and engaged community working together to improve Burnaby's environmental performance.

Goal 1: Green

Green - Green Space and Habitat



Now



Why it Matters:

- People, plants and wildlife all depend on healthy habitat.
- Green space makes our city more livable.
- Healthy forests and wetlands clean our air and water.

Now:
Burnaby is one of the greenest major cities in Canada. Green space is a big part of the city's identity.


Did you know?

- Burnaby has over 150 parks.
- Parks and conservation areas cover 25% of the city, totaling 2,400 hectares (6,000 acres) – that's six times the size of Stanley Park!
- Deer Lake alone is home to over 150 species of birds and mammals including deer, coyotes, beavers, otters, and voles.

A "Great" Place for Herons
One of the region's largest Great Blue Heron colonies is located in Deer Lake Park and hosts around 40-50 nests and over 100 birds. Each spring, beginning in March, the herons can be seen gliding nearby as they forage to refurbish their nests and hunt to feed their chicks. Each mating pair raises one or two chicks, which leave the nest by July or August. The existing colony has been active since 2008, beginning with just a few nests. This habitat is all the more important as Great Blue Herons are a species at risk and they are exposed to a lot of urban stresses throughout the region. You can help by ensuring dogs do not chase herons, and supporting protection of habitat like wetlands and shorelines.

→ Read more on page 61.

Future



Goal
Healthy and resilient ecosystems.

Control: High level of city control and influence.

City	Others
------	--------

Strategies:

NEW Big Move

1.1 Review and consider new policies, plans and programs to protect, and enhance Burnaby's ecosystems.

Suggested Actions:

- Explore opportunities to develop and implement an Ecosystem Health Strategy¹, including baseline study, identifying strategic opportunities, and ongoing monitoring.

Quick Start #1

Define scoping/phase and develop terms of reference for the Ecosystem Health Strategy, identify necessary resources and timeline.

- Investigate developing specific policies and plans to support healthy ecosystems.
- Consider programs and activities to protect, connect and enhance Burnaby's ecosystems.

1.2 Protect and enhance habitat on public and private lands.

Suggested Actions:

- Consider opportunities to identify and

legally protect additional key habitat areas (also see Green Strategy 1).

- Support and advocate for effective regulations and policies to protect ecosystems at all senior levels of government – regional, provincial, and federal.
- Encourage and look for opportunities to include more native plants in landscaping on public and private lands.
- Encourage homeowners to use native plants by providing printed and online information, workshops, seminars and other resources.
- Consider developing a program and investigate funding sources to facilitate community-led habitat restoration.

1.3 Connect existing high value habitat with habitat corridors.

Suggested Actions:

- Consider planting more native vegetation on public and private land, including areas next to existing and new cycling and walking trails, and along designated habitat corridors.
- Investigate developing a strategic habitat corridor plan and design standards (also see Green Strategy 1).

1.4 Encourage development that respects and reduces the impact to our ecosystems.

Suggested Actions:

- Consider developing 'dark sky' (light pollution reduction) policies and programs as a way to reduce unnecessary night-time lighting that can disturb wildlife, reduce night sky viewing and disturb neighbours.
- Explore developing policies and/or guidelines for bird-friendly building and window designs to help reduce collisions.
- Consider approaches to prioritize and require removal of private encroachments in streamside protection and enhancement areas.

Quick Start #2

Undertake preliminary study (and mapping) to assess issue, recommend option(s) to protect streamside protection and enhancement areas.

1.5 Promote the value of ecosystems to human well-being.

Suggested Actions:

- Consider further promoting educational tours, wildlife watching and nature photography by building on those events offered during Environment Week.
- Explore ways to communicate the significant financial benefits that natural systems provide to people.
- Continue to recognize the value ecosystems contribute as infrastructure in City planning, management and decision making.

1.6 Reduce the environmental and economic impacts of invasive species.

Suggested Actions:

- Consider opportunities to expand current efforts to inform City staff and the public about the impacts of

Invasive species, and how to prevent and control their spread.

- Investigate developing an invasive species action plan to strategically eradicate, control and manage invasive species (also see Green Strategy 1).
- Consider creating new policies, regulations and incentives to help better prevent, remove and control invasive species on public and private lands.

Quick Start #3

Work with Metro Vancouver to support creating regional solutions for disposal of invasive plants and soil

- Encourage and develop approaches to stop the sale of invasive plants and animals, in places such as nurseries, pet stores and live-food markets.

1.7 Ensure Species and Ecosystems at Risk (SEAR) are considered in planning, development and habitat enhancement, on public and private lands.

Suggested Actions:

- Investigate opportunities to monitor, map and develop management plans for species and ecosystems at risk in Burnaby.
- Explore opportunities to develop and apply best management practices for species and ecosystems at risk when planning, developing and conducting habitat enhancement.
- Consider partnering with universities, other levels of government and community groups on research and enhancement programs for species and ecosystems at risk in Burnaby (also see Green Strategy 1).

¹An Ecosystem Health Strategy is envisioned as a city-wide strategic plan to assess, protect and improve ecosystem health. It would build on and update the City's existing environmentally sensitive area (ESA) strategies. Potential components may include baseline assessment and mapping, and recommendations for policies and programs focusing on topics such as defining habitat corridors (locations and design), strategic streamside enhancement, invasive species management, urban forest planning & management, consideration for species at risk, and ecosystem services valuation.

What Can You Do?

Improve Habitat

- Plant a butterfly or bee garden.
- Prevent and remove invasive plants.
- Use native plants in your gardens.
- Install a birdhouse, mason bee 'condo' or bat box outside.
- Avoid using pesticides and herbicides.
- Use less outdoor lighting and make sure it shines downward.

Get Involved

- Explore local parks, streams and beaches.
- Learn about local plants and animals.
- Support environmental non-profit organizations that promote action.
- Join an environmental stewardship group like Streamkeepers.

Encourage Others to Take Action

- Share information with friends, family or coworkers.
- Organize a 'nature' school field trip.
- Host a workshop at work or school.
- Write a nature article or blog.

Want more info on how to get started? Please go to www.burnaby.ca/ess-you

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSgreen>.

Is the GREEN goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the GREEN goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						

Goal 2: Flow

Flow - Water Management

Now

Why it Matters:

- Water is the basis for all life on earth.
- Rain water flows off buildings, land and roads into local streams, lakes, wetlands and the ocean.
- Reducing pollution on the land helps fish and other aquatic creatures.
- By using less water our communities can grow and prosper while avoiding the need for costly new water and sewer systems.

Now:

Burnaby has rich aquatic ecosystems that include streams, wetlands, lakes and ocean coastline.

Did you know?

- Burnaby has over 90 streams in three major watersheds - Burrard Inlet, Brunette Basin (Central Valley) and Fraser River.
- Burnaby has protected most open natural streams instead of piping them underground.

Salmon in the City

Burnaby has over 90 unique streams and two lakes, part of three major watersheds (and basins draining to a common point) - the Burrard Inlet, Brunette River, and the Burnard Inlet. Thanks to long-term efforts by the community working together, in the fall of 2013 salmon returned to spawn in some streams for the first time in living memory. In tiny Buckingham Creek at Deer Lake, more than a dozen chum salmon were seen spawning. Salmon are now able to swim from the Fraser River via the Brunette River and all the way up Still Creek as far as Rupert Street in Vancouver to spawn.

+ Read more on page 61.

Future

Goal
Healthy and resilient watersheds.

Control: High level of City control and influence.

City

Others

Strategies:

- 2.1 Manage rainwater to restore and mimic natural flows and quality.**

Big Move IN PROGRESS

Suggested Actions:

 - investigate ways to update and improve the City's existing rainwater management policies and regulations.
 - Quick Start #4**
Review existing regulations for opportunities to reduce barriers to on-site rainwater management such as residential rain-gardens.
 - Encourage and promote on-site rainwater management by developing guides, education resources and exploring the role of incentives.
 - Look for opportunities to reduce the volume and clean the water flowing off roofs, roads and paved areas directly into storm sewers by using systems like rain gardens and permeable pavement.
 - investigate ways to lead by example with City projects.
- 2.2 Protect, restore and improve aquatic ecosystems like ponds, lakes, streams, wetlands and marine areas.**

Future Big Move

Suggested Actions:

 - Look for ways to build on the City's current policies, existing information and previous projects to assess, prioritize and consider opportunities to strategically restore Burnaby's streams (also see Green Strategy!).
 - Consider opportunities to restore, enhance and daylight streams when public and private lands are being developed.
 - Quick Start #5**
Create a high-profile demonstration project to showcase riparian/aquatic ecosystem restoration, including community involvement and education.
- 2.3 Protect and improve water quality in aquatic ecosystems like ponds, lakes, streams, wetlands and marine areas.**

Future Big Move

Suggested Actions:

 - Explore ways to improve the effectiveness of the City's existing water quality protection policies, regulations and programs.
 - Consider opportunities to further avoid or reduce the use of chemicals such as pesticides and fertilizers on public and private lands.
 - Advocate for effective water quality policies and regulations at all senior levels of government - regional, provincial and federal.
 - investigate ways to reduce the amount of harmful substances entering creeks from storm drains by providing information about proper disposal.
- 2.4 Conserve water in the home, garden, workplace and community.**

Future Big Move

Suggested Actions:

 - Explore ways to expand and enhance current water conservation and education programs.
 - Encourage the installation of water-saving fixtures like faucets, toilets, showers and dishwashers in new buildings, and lead by example in City projects.
 - investigate water metering as a policy tool to encourage water conservation.
 - Quick Start #6**
Start a water metering policy review and develop water conservation options for consideration.
 - Allow water recycling and re-use for purposes such as irrigation and toilet flushing by considering policies, regulations, and the role of incentives.

What Can You Do?

- Conserve and Recycle Water**
 - Reduce sprinkling - follow the City guidelines and by-law.
 - Only run the dishwasher and washing machine with full loads.
 - Use water-saving plumbing fixtures.
 - Collect water for the garden with a rain barrel.
 - Replace lawn with drought tolerant plants.
- Protect Water Quality**
 - Choose eco-friendly soap, shampoo, and cleaning products.
 - Dispose of paint and toxic chemicals at a recycling facility, not down the drain.
 - Fix any fluid leaks from your car.
- Avoid Pollution**
 - Use refillable water bottles.
 - Don't litter - put it in its place!
 - Never dump anything down storm drains - they all lead to creeks or the ocean!

Want more info on how to get started? Please go to www.burnaby.ca/less-you

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSflow>.

Is the FLOW goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the FLOW goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						

Goal 3: Breathe

Breathe - Climate and Air Quality

Now

Why it Matters:

- Climate change is one of the most pressing global issues of our time and we can do many things locally to help.
- Reducing air pollution can improve air quality and also help to make us healthier.
- Making Burnaby less vulnerable to climate change impacts can also make Burnaby a nicer place to live.

Now:

Burnaby is developing a Community Energy and Emissions Plan to reduce our greenhouse gas emissions, improve air quality, and make our buildings, transportation and energy systems cleaner and more efficient.

Did you know?

- About \$300 million per year is spent on energy by everyone in Burnaby.
- Burnaby has relatively low per-person greenhouse gas emissions compared with many other cities.
- Burnaby's emissions are produced 50% by transportation, 45% by buildings, and 5% by solid waste.

Youth Taking Action

Youth are taking the lead and inspiring others of all ages to take action on climate change, from reducing emissions in schools, to organizing sustainability conferences and events, to making presentations to the United Nations. The Burnaby Youth Sustainability Network (BYSN), a student-led organization founded in 2010 by high school student Jennifer Hao is a great local example.

+ Read more on page 62.

Future

Goal

A community resilient to climate change, with clean air and low carbon emissions.

Control: Medium level of City control and influence.

City	Others
------	--------

Strategies:

Big Move IN PROGRESS

3.1 Reduce community greenhouse gas (GHG) emission rates, including in the areas of transportation, buildings, district energy and waste.

Suggested Actions:

a) Consider opportunities to reduce greenhouse gas emissions through community planning, transportation planning, development, and waste management including those identified in the Community Energy and Emissions Plan (currently in progress).

Quick Start #7

Provide information to encourage energy efficiency, for example a website/phone number with information about opportunities for energy efficiency upgrades and grants for homes (new build and renovations).

b) Look for ways to demonstrate leadership by reducing City (corporate) GHG emissions (also see Manage Strategy 3).

NEW Big Move

3.2 Improve resilience to climate change effects by assessing risks and seeking and acting on opportunities to protect the community and ecosystems from anticipated impacts.

Suggested Actions:

a) Consider developing a climate change adaptation strategy to improve the community's resilience.

Quick Start #8

Define an approach for developing a climate change adaptation plan, including information and resource needs, process and timeline.

b) Assess risks including sea level rise, extreme rainfall, storm events and flooding, shifts in plant and animal habitats and agricultural zones, changes in drinking water supply, changes in heat emergencies, and changes to the urban heat island effect.

c) Explore opportunities to reduce risks through land use, building design, using natural systems

3.3 Reduce emissions and health impacts of air pollutants (other than greenhouse gases).

Suggested Actions:

a) Work together with Metro Vancouver and neighbouring municipalities to implement the Integrated Air Quality and Greenhouse Gas Management Plan.

b) Support regional, provincial, federal and Health Authority policies and programs to reduce indoor and outdoor air pollution.

c) Support voluntary initiatives to reduce air pollution by industry, businesses, institutions and individuals.

3.4 Reduce dependence on fossil fuels such as oil and gas.

Suggested Actions:

a) Encourage behaviour and investments supporting a "low carbon community" through City leadership, education and marketing.

What Can You Do?

Walk, Cycle and Take Transit

- Walk or bike for short trips.
- Take transit or bike to work or school one day per week (or more).

Reduce Vehicle Emissions

- Drive less by combining trips.
- Carpool to work and school.
- Avoid vehicle idling.
- Maintain your vehicle.
- Choose a fuel-efficient, hybrid or electric vehicle.
- Live close to work and school.
- Fly less often.

Conserve Energy

- Turn the heat down, wear a sweater at home in winter.
- Replace incandescent light bulbs with compact fluorescent or LED.
- Choose ENERGY STAR appliances.
- Have a home energy EnerGuide assessment done.
- Fix leaky windows and doors.
- Insulate your home.

Want more info on how to get started? Please go to www.burnaby.ca/lessyou

= Big Moves IN PROGRESS

= Big NEW Moves

= FUTURE Big Moves


= Quick Starts

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSbreathe>.


Is the BREATHE goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the BREATHE goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						


Goal 4: Live



Live - Land Use Planning and Development



Now



Why it Matters:

- Walkable neighbourhoods improve our quality of life and the health of the environment.
- Having places to learn, work, play and shop near our homes allows us to walk, cycle and use transit more and drive less.
- Incorporating nature within our urban neighbourhoods makes them healthier for people, plants and animals.

Now:


- Burnaby has many opportunities for convenient urban living, a wide range of housing choices, easy access to SkyTrain, bus routes, parks and community services.

Did you know?

- Burnaby has been planning and building its four town centres - Brentwood, Lougheed, Edmonds, and Metrotown - for over 30 years.
- In the past 20 years Burnaby's population has grown by 66,000 people.
- Another 89,000 people are expected to live in Burnaby 20 years from now.

UniverCity
UniverCity, Burnaby's award-winning sustainable mixed-use community beside Simon Fraser University atop Burnaby Mountain, is home to more than 4,000 people. A variety of people, including young families and working professionals, are choosing to live here for its proximity to nature, walkable and safe streets, local services, and good transit connections to other locations.
— Read more on page 63.

Future



Control: High level of City control and influence.

City	Others
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Strategies:

★ FUTURE Big Move

4.1 Create a more diverse, vibrant, resilient and resource efficient city from the neighbourhood level up.

Suggested Actions:

- Encourage the creation of high quality, enjoyable, walkable neighbourhoods.
- Investigate further protecting agricultural land and key habitat areas (also see Green Strategy 1).
- Consider ways to better manage risk from natural hazards like flooding using policies and programs.
- Further Integrated Stormwater Management Plans (ISMPs) by exploring opportunities to integrate the goals of these plans into land use planning and management to create a more integrated and ecologically healthy neighbourhoods.
- Review opportunities within existing neighbourhoods, Town Centres and Urban Villages to create more diverse, vibrant and vibrant walkable communities when updating the city-wide Official Community Plan and other community plans.

4.2 Strengthen the network of complete, compact, and walkable neighbourhoods served by transit.

Suggested Actions:

- Continue to concentrate new development in Town Centres and Urban Villages well served by transit service to avoid "sprawl".
- Explore creating cultural places within walking distance for people to shop, gather, socialize and enjoy culture without needing to drive. This could include small shops, theatres, art galleries, libraries, pubs, cafes and other cultural places.

4.3 Create accessible outstanding outdoor public spaces that encourage active transportation, socializing and interacting with nature.

Suggested Actions:

- Investigate projects and funding sources to further enhance public spaces and provide for more natural areas and features in urban areas of the City.
- Encourage more community events such as block parties, farmers' markets, festivals.

Quick Start #9

Review current opportunities to convert more streets for pedestrian use, including temporary car-free events (such as Hots-Off-Days) and opportunities for permanent conversions.

- Seek to provide more public amenities in outdoor spaces, including benches, water fountains, and public washrooms.
- Investigate opportunities to make streets and other public places more vibrant and ecologically healthy – places to meet neighbours, shop, enjoy nature.

4.4 Integrate green space, nature and features into urban areas, including Town Centres and Urban Villages.

Suggested Actions:

- Consider strategically protecting and restoring habitat (also see Green Strategy 2).
- Review opportunities to create more pedestrian trails that connect neighbourhoods and provide wildlife habitat (also see Green Strategy 3).

¹ Encouraging neighbors, community institutions and businesses to join with city leaders and utility providers to establish progressive sustainability goals and co-develop innovative district-scale projects. For example www.collectors.org and bivich.2030.

What Can You Do?

Walkable, Friendly Neighbourhoods

- Walk or bike for short trips.
- Shop locally.
- Drive less and use transit more.
- Organize a neighbourhood meal or event to get to know your neighbours.

Green Neighbourhoods

- Plant native shrubs and trees for gardening and beautification.
- Organize a local park clean-up.
- Plant a food garden on your strata property or at your school.

Get Involved

- Learn about proposed development in your neighbourhood.
- Support features in new development like sidewalks and landscaping that improve walkability.
- Encourage environmentally friendly city planning.

Want more info on how to get started? Please go to www.burnaby.ca/ess-you

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 = Quick Starts

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSlive>.

Is the LIVE goal headed in the right direction?

<p>1) Do you support the LIVE goal, strategy and suggested actions?</p>	<div style="display: flex; justify-content: space-around; font-weight: bold; color: #000080;"> Strongly Oppose Oppose Neutral Support Strongly Support Don't know </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> ○ ○ ○ ○ ○ ○ </div>
<p>2) Tell us why?</p>	

Goal 5: Move

Move - Transportation

Now

Why it Matters:

- Walking, cycling and using transit improves our health, improves air quality and reduces carbon emissions...
- Walking, cycling and transit can improve mobility for all ages and abilities.
- Combining a mix of land uses, walkable neighbourhoods, and good transit service makes it easier to get around.

Now:
People in Burnaby have many transportation choices.

Did you know?

- Burnaby has 11 SkyTrain stations on two lines, and 34 bus routes.
- 23% of Burnaby's daily trips are by transit, higher than the regional average of 14%.
- 62% of Burnaby workers live within 10 kilometers of their jobs and 35% commute to work by transit.
- Burnaby has 145 kilometers of designated bike routes and trails.

Living Streets
Streets in Burnaby's four Town Centres are taking on a whole new look and feel, with wide sidewalks, public art, lush rain gardens and street trees, comfortable seating areas and separated bike paths. This is the result of Council's adoption of the new Town Centre Street Standards, and these features are intended to create delightful environments that encourage people to walk, cycle, and transit or to their daily activities.

+ Read more on page 64.

Future

Control: Medium level of City control and influence.

City	Others
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Strategies:

5.1 Develop and implement green transportation policies that create vibrant streets, reduce pollution and support healthier, more active lifestyles.

Suggested Actions:

- Look for ways to include a strong focus on walking, cycling and transit, and safe streets for all people, as priorities in transportation policies.
- Implement the City's recently adopted Public Health Standards for Town Centre Streets.
- Consider expanding complete streets policies (mobility for all users, street trees/habitat, rain-gardens, and social spaces).

5.2 Make walking and cycling easier, safer and more comfortable.

Suggested Actions:

- Investigate opportunities to expand and improve pedestrian and cycling routes and infrastructure (routes, separated paths, bike facilities), especially north-south connections.

5.3 Improve public transit.

Suggested Actions:

- Advocate for better levels of affordable transit service including more frequent bus service on select routes in Burnaby, especially north-south connections.
- Consider accelerating improvements to bus stops, for example providing more amenities like shelters and making them wheelchair accessible.

5.4 Provide programs to encourage and reward a shift towards walking, cycling, and transit.

Suggested Actions:

- Promote programs such as Bike to Work and Bike to School Week.
- Continue working with developers to create policies and incentives to encourage transit use by residents of new development.
- Foster a culture of "car free living" through marketing and branding.
- Promote cycling, to the public and city staff, as a normal everyday activity for all ages by encouraging "cycle-chic" upright bikes, cargo-bikes, kids participation, and other programs, through marketing and partnerships with others.
- Investigate ways to work with health authorities and schools to promote benefits of walking/cycling.

5.5 Reduce impacts of vehicles on environmental health, personal safety and livable neighbourhoods.

Suggested Actions:

- Explore ways to design more local residential roads to slow vehicle speeds and discourage motorized vehicles from short-cutting through neighbourhoods.

5.6 Transition to more efficient (including zero-emission) vehicles and more efficient use of vehicles.

Suggested Actions:

- Investigate providing more publicly accessible electric vehicle charging stations and car share vehicles in new and existing developments.
- Consider developing a parking policy to encourage fewer automobile trips and prioritize more efficient and low-emissions vehicles like priority parking for carpool/verpood, electric vehicles, and car share vehicles.

5.7 Reduce the environmental impacts of transporting goods.

Suggested Actions:

- Advocate and consider developing policies to encourage effective environmental risk management for transporting dangerous goods through the community in bulk by rail, truck, pipeline, and shipping.

What Can You Do?

Walk

- Walk to close-by places (up to 2 km).
- Shop and eat at walkable destinations.
- Get children used to walking early on.

Cycle

- Cycle to medium distance places (2-5 km).
- Cycle to work or school one day per week (or more).
- Go on a cycling "date".
- Teach children safe cycling skills.

Transit

- Take transit to medium to long distance places (5-20+ km).
- Choose to live in a place well served by transit.
- Support improvements to transit.

Towards Car-free

- Join a car co-operative.
- Buy a cargo bike.
- Consider going car-free!
- Choose to live close to amenities, work or school.

Want more info on how to get started? Please go to www.burnaby.ca/ess-you

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSmove>.

Is the MOVE goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the MOVE goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						

Goal 6: Build

Build - Green Buildings and Energy

Now

Why it Matters:

- Green buildings use less energy and water and cost less to operate.
- Green buildings support healthy ecosystems.
- Buildings can last a long time, so it's important to make smart choices.
- Green building knowledge and technologies are an important part of the green economy.

Now:

Burnaby already has many green residential, office, school and city buildings.

Did you know?

- UniverCity, Burnaby's award-winning sustainable community, is home to over 4,000 people. It has green buildings (energy efficient and water efficient), and a district energy system.
- UniverCity Childcare Centre is a "regenerative" building that produces all its own energy, treats its own waste water and uses only the safest materials.
- New City facilities like the Edmonds Aquatic and Community Centre and the Tommy Douglas Library have green features that help to reduce operating costs and protect the environment.

Living in Harmony with Nature

Harmony House is a "net-zero energy" house in south Burnaby designed to produce more energy than it uses - including charging the family's electric car!

→ Read more on page 65.

Future

Goal

Buildings and infrastructure that have a positive impact on the environment.

Control: Medium level of City control and influence.

City	Others
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Strategies:

- NEW Big Move**

6.2 Improve building design and construction to meet higher standards of environmental performance.

Suggested Actions:

- Promote and encourage energy conservation for new buildings.
- Explore working with designers, builders, energy professionals, industry and the province to identify opportunities to optimize building code compliance.

Quick Start #13

Review issues and possible opportunities to improve compliance, such as with requirements for review of development proposals by an energy professional.

- Consider other CEEP recommended strategies for improving energy performance (e.g., energy audits/labeling; and biannual policy reviews).

6.3 Make existing buildings more 'green' - so they use less energy, less water, produce less GHG emissions, use healthy (non-toxic) and recycled materials, and reduce construction waste.

Suggested Actions:

- Investigate opportunities to develop policies and programs to increase awareness, financing and incentives for retrofitting existing buildings to improve their environmental performance.

6.4 Reduce building demolition and construction waste.

Suggested Actions:

- Support the development of more building materials recycling centres: places where contractors and homeowners can buy and donate salvaged materials for building and renovation projects.
- Investigate policy approaches to encourage more adaptation of existing buildings for new uses, and/or re-using and recycling the materials at the end of their useful life.

6.5 Share and/or re-use energy and water between buildings where possible.

Suggested Actions:

- Investigate policy approaches to encourage district energy systems within large site developments.
- Encourage recovering and reusing waste heat from sources such as buildings, industrial plants, and sewers.
- Explore opportunities for water re-use and recycling within large site developments.
- Consider developing 'green neighbourhood' policies, and facilitate business leadership, to improve sustainability and encourage resource sharing within neighbourhoods (also see Live Strategy 1).

6.6 Encourage a shift to renewable energy for buildings where possible.

Suggested Actions:

- Encourage the use of renewable energy on large site developments as a component of a green energy opportunities review.
- Consider developing policies to encourage the use of solar hot water systems in new buildings (also see Breathe Strategy 1).

What Can You Do?

Conserve Energy at Home

- Replace incandescent light bulbs with compact fluorescent or LED.
- Choose ENERGY STAR appliances.
- Have a home energy EnerGuide assessment done.
- Fix leaky windows and doors in your home.

Home Renovations

- Choose low-impact, sustainably sourced or recycled materials.
- Use Energy Star windows/doors.
- Add extra insulation.
- Choose products low in volatile chemicals (paints, furniture, carpets, window coverings).
- Install energy efficient appliances.

New Green Buildings

- Support green buildings.
- Consider energy efficiency when choosing a new home.
- Design your new home for energy efficiency.
- Recycle demolition and building materials from construction.

Want more info on how to get started? Please go to www.burnaby.ca/less-you

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To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSbuild>.

Is the BUILD goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the BUILD goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						

Goal 7: Prosper

Prosper - Green and Inclusive Economy

Now

Why it Matters:

- The green economy is a fast-growing sector in both BC and the world.
- Improving sustainability can also improve a business's bottom line.
- Green businesses can attract people to live, work and invest in Burnaby.
- Businesses can help to encourage others to make green choices too.

Now:

Burnaby has a large number of jobs and a wide variety of industries including high technology and environmentally focused companies.

Did you know?

- Burnaby has maintained about 11% of the region's employment since 1971.
- Burnaby gained over 19,000 jobs in the 10 years from 2001 to reach almost 139,000 jobs in 2011.

Future

Goal

A prosperous economy that supports a healthy environment.

Control: Low level of City control and influence.

City

Others

Strategies:

★ FUTURE Big Move

7.1 Work with the Burnaby Board of Trade, post-secondary institutions and other organizations to expand Burnaby's green economic sector and improve environmental performance of businesses.

Suggested Actions:

- Encourage more green businesses to locate in Burnaby.
- Consider creating partnerships between businesses and educational institutions to develop plans and programs to reduce waste, use less energy/water and reduce GHG emissions.
- Investigate the role incentives could have in encouraging innovative green business practices.
- Encourage research and development of green technologies.
- Support green social enterprises by promoting and partnering with non-profit groups with an environmental focus.

7.2 Work with the Burnaby Board of Trade, post-secondary institutions, and other organizations to promote green businesses and celebrate their successes.

Suggested Actions:

- Support and promote more businesses to take the Burnaby Board of Trade's (BBOT) Pledge for a Sustainable Community, Climate Smart program, and other similar programs.
- Encourage businesses with outstanding green programs to apply to the City's existing annual Environmental Awards program.
- Support the development and use of green business standards that help people make environmentally wise choices.

7.3 Work with the Burnaby Board of Trade, post-secondary institutions, and other organizations to strengthen the business sector that facilitates recycling and reuse.

Suggested Actions:

- Promote businesses that are leading in reducing their environmental footprint.

✔ Quick Start #15

Work with BBOT to create an online directory of local green products and services.

- Explore working with businesses and industries beyond the city's borders to further reduce waste affecting Burnaby, and make use of wastes commonly produced in Burnaby.
- Investigate ways to encourage more businesses to locate in Burnaby that recycle, reuse or harvest waste for energy.

What Can You Do?

Support Local Green Businesses

- Buy eco-friendly products.
- Shop at locally owned businesses instead of big box stores.
- Support businesses that take action for the environment.
- Shop at thrift stores and other stores that offer re-used items.

Get Engaged

- Give businesses feedback about their environmental performance.
- Promote sustainability in your workplace.
- Encourage your company to take the Burnaby Board of Trade's Pledge for Sustainability.
- Volunteer with a local environmental non-profit community group.

Reduce, Reuse, Recycle

- Reduce:** Share things like tools with neighbours.
- Reuse:** Buy used items instead of new or re-sell items you no longer need.
- Recycle:** Choose to buy products made from recycled materials.

Want more info on how to get started? Please go to www.burnaby.ca/less-you



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To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSprosper>.


Is the PROSPER goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the PROSPER goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						

Goal 8: Nourish


Nourish - Food Systems


Now



Why it Matters:

- Food connects us in a personal and direct way with our environment.
- Healthy food is necessary for personal health and wellness.
- Eating locally helps to strengthen the local economy and reduce air pollution caused by transporting food long distances.


Now:
Burnaby has been growing food for over 150 years.

Did you know?

- Burnaby has about 43 farms growing food on 129 hectares (318 acres) in south Burnaby.
- Burnaby's farms are very productive - they earned an average of 80% more than the provincial average or \$269,000 per farm.
- Vegetables and cranberries are the main crops grown in Burnaby.
- Burnaby has a number of community gardens - the largest has 373 plots and is in the Riverside neighbourhood in south Burnaby.
- Beekeeping is allowed in most residential areas in Burnaby.

Gardens "Grow" Communities
Burnaby Food First helps to connect residents with extra garden space with others looking for a place to grow food. Sonya and Laci are two people who benefited from this service.
→ Read more on page 66.

Future



Goal
A food system that supports healthy people, a healthy community and a healthy environment.

Control: Low level of City control and influence.

City	Others
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Strategies:

Big Move IN PROGRESS

8.1 Improve food system sustainability and security to support local food production, distribution and consumption.

Suggested Actions:

- Investigate ways to better protect Agricultural Land Reserve and City zoned agricultural lands using zoning, land use planning and other tools (also see Live Strategy 1).
- Look for ways to further reduce regulatory barriers for small-scale farms and food producers.
- Consider developing a food system strategy to improve sustainability of food production, distribution and use, by the City and the community.

Quick Start #16
Define the scope and develop a terms of reference for the food system strategy, identify budget/funding sources and timeline.

8.2 Develop a culture that celebrates and supports local, organic and healthy food.

Suggested Actions:

- Encourage celebrations such as an annual local food and wine festival.
- Investigate opportunities to promote and market farms and tours in the Big Bend area.
- Encourage businesses such as restaurants and their food suppliers to purchase local, organic, sustainable food, for example by celebrating those that do and providing information for licensees to make responsible choices.

8.3 Encourage citizens to grow and process food within the City.

Suggested Actions:

- Consider partnering with others and consider hosting City workshops for citizens to learn about growing and processing food at home.
- Support citizen-led initiatives to create new community gardens on suitable sites in the City.

Quick Start #18
Partner with a non-profit community group to establish a publicly accessible community garden and/or "food forest" (food bearing trees and shrubs).

8.4 Promote local farms and vendors of locally produced food.

Quick Start #17
Provide information on City website to promote local farms and vendors of locally produced food.

8.5 Support efforts of community groups focused on food systems.

8.6 Support efforts to provide useful information to the public about local, organic and healthy food.

What Can You Do?

Buy Local Food

- Buy organic, locally grown, in season food.
- Shop at the Farmers' Market or use a farm-direct food service.

Grow Your Own Food

- Start a veggie garden or planter box.
- Join a community garden.
- Share your backyard with someone experienced in growing food.
- Start a school food garden.

Communicate and Network

- Share extra fruit or veggies with neighbours.
- Encourage local food purchasing in your workplace, school or organization.
- Teach children, friends and family about growing food.
- Join a food-focused community group like Burnaby Food First.

Want more info on how to get started? Please go to www.burnaby.ca/ess/you

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🌱 = FUTURE Big Moves
📌 = Quick Starts

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSnourish>.

Is the NOURISH goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the NOURISH goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						

Goal 9: Conserve

Conserve - Waste Management

Now

Why it Matters:

- In nature, there is no such thing as "waste" – everything is recycled.
- Disposing of waste is very expensive and releases greenhouse gases.
- Creating new products from recycled materials can create local "green" jobs.
- Using waste as a resource can be good for our local economy while reducing the need for new resources.

Now:

- Burnaby has a successful food-scrap collection and recycling program serving houses, townhouses and apartments.

Did you know?

- Burnaby diverts almost half of its waste by recycling and composting.
- Burnaby's new Eco-Centre accepts a variety of materials for recycling including appliances, hard and soft plastics, metal, paints and household chemicals, and Styrofoam.
- The Waste-to-Energy facility, located in Burnaby since 1998, processes 25% of the region's garbage and produces enough electricity to power 15,000 homes.

High Rise Recycling Champions

How did seemingly "ordinary" citizens – residents and staff members of an older high-rise apartment building in Burnaby become recycling paper-heroes who are now sought out to teach others the secrets of their success?

+ Read more on page 67.

Future

Goal
World-leading waste reduction, diversion and management.

Control: Medium level of City control and influence.

City	Others
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Strategies:

9.1 Reduce material consumption by citizens and businesses.

Suggested Actions:

- Encourage residents and businesses to buy less "stuff", through marketing and social media campaigns, like the Metro Vancouver "Create Memories Not Garbage" campaign.

9.2 Strengthen the sharing economy to use existing materials and resources more efficiently.

Suggested Actions:

- Consider developing policies to encourage sharing and collaboration, for example, space (such as gardens or workspace), vehicles, bikes, food, books, tools, repair cafes, clothing and others.
- Support on-line resources where businesses can exchange or share materials with other organizations.

9.3 Expand waste reduction, recycling and food scraps programs.

Suggested Actions:

- Promote recycling.
- Investigate ways to expand the City's food scraps collection program.
- Look for opportunities to use more recycled materials in all construction and landscaping projects.
- Explore new markets for recyclables.
- Investigate providing more locations at a neighbourhood scale for residents and businesses to drop off recycling and organic waste.

Quick Start #19

Conduct a policy and program scan of practices elsewhere and opportunities for Burnaby for localized neighbourhood drop-off.

- Promote responsible purchasing and sharing to reduce waste.

9.4. Reduce and eliminate the sale and use of hard-to-recycle materials.

Suggested Actions:

- Advocate for and promote Extended Producer Responsibility Programs for reducing packaging waste and hard to recycle materials and appliances.
- Consider advocating for bans of certain harmful products like Styrofoam, plastic bags, and plastic bottles.

Quick Start #20

Consider options for eliminating bottled water sales at City facilities and encourage drinking tap water instead, such as by providing filling stations and at-cost reusable bottles.

9.5 Explore new opportunities for using waste as a resource (both materials and energy).

Suggested Actions:

- Investigate feasibility of processing green waste locally (within Burnaby) to provide compost and/or energy.
- Investigate opportunities for re-using waste heat such as from the regional Waste-to-Energy facility.

What Can You Do?

Reduce

- Buy less and only what you need.
- Give "experiences" as gifts instead of things.
- Buy higher quality products that last longer.
- Use refillable water bottles and coffee cups.
- Challenge yourself and your family to produce as little garbage as possible!

Re-use

- Make art or crafts from used items.
- Re-sell or donate items.
- Buy used products at thrift stores, garage sales, and online.
- Use salvaged materials and appliances for renovations.

Recycle

- Sort recycling and garbage properly.
- Recycle everywhere, including at home, school, work, restaurants and public events.
- Return batteries, oil, metal, paint, plastic, Styrofoam, glass, paper to the Eco-Centre.
- Return bottles and electronics to the Return-It Depot.

Want more info on how to get started? Please go to www.burnaby.ca/ess/you

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 = Quick Starts

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSconserve>.

Is the CONSERVE goal headed in the right direction?

<p>1) Do you support the CONSERVE goal, strategy and suggested actions?</p>	<div style="display: flex; justify-content: space-between; font-weight: bold; font-size: small;"> Strongly Oppose Oppose Neutral Support Strongly Support Don't know </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> ○ ○ ○ ○ ○ ○ </div>
<p>2) Tell us why?</p>	

Goal 10: Manage

Manage - Governance, Education and Partnerships

Now

Why it Matters:

- Cities are leading the way in many areas of sustainability around the world.
- Burnaby relies strongly on its partnerships with others in the community.
- Education provides a foundation of knowledge and understanding for tomorrow's leaders.

Now:

- Burnaby was recognized as the "Best Run City in Canada" in 2009 by Maclean's Magazine.

Did you know?

- Burnaby was the first city to celebrate World Rivers Day in 1993.
- Streamkeepers help to protect and restore many waterways across the city.
- Every year Burnaby hosts Environment Week activities and presents Environment Awards to leaders in the community.
- Burnaby provides public education on many environmental topics, including food scraps recycling, water conservation, and invasive species control.

Networks of Blue and Green

Initiated in 1972, Burnaby's Open Watercourse Policy has had far-reaching effects directly influencing the ecology and form of the city as we know it now. Today there are over 90 open streams in the city, supported by many City programs for stream protection.

+ Read more on Page 68.

Future

Control: High level of City control and influence.

City
Others

Strategies:

10.1 Educate citizens about ecology and sustainability.

Suggested Actions:

- Consider working with schools and universities to engage youth in stewardship and incorporate local ecology and sustainability into curricula.

Expand and improve:

- sustainability contests, challenges and scholarships;
- school "green teams" and Burnaby Youth Sustainability Network; and
- Burnaby Youth Week classes such as gardening, composting, cooking and bike repair.

Consider:

- eco-education as a core component of school curriculum;
- youth stewardship programs like "stream teams";
- City staff to visit schools to teach about environmental issues and actions.

- Investigate ways to develop and promote education programs to encourage eco-friendly practices at home and in the community, for example:
 - virtual tours of eco-friendly home renovation projects;
 - recycling, re-use and sharing "festival"

10.2 Explore innovative ways to engage the public on environmental issues.

Suggested Actions:

- Consider developing city communication approaches to engage diverse audiences (all ages, genders, ethnic backgrounds), including using current media and technology tools.

Quick Start #21

- Develop recommendations to provide more opportunities for dialogue about sustainability at public festivals and events.

- Explore ways to make it easier for people to engage, share ideas and understand how decisions are being made, for example:
 - communicating the ESS with simple graphics and plain language;
 - using social media and digital technology to engage the public and

10.3 Demonstrate leadership in sustainability through City facility and operations management by reducing energy and GHG emissions, conserving water, reducing and diverting waste and enhancing ecosystems.

Suggested Actions:

- Pursue developing priorities and strategies for improving a corporate sustainability.
- Explore ways to implement further improvements in operational areas such as City procurement, vehicle fleet, staff commuting, food services, new and existing buildings, landscape design and management, sewer utilization, and management of festivals and events.

Quick Start #22

- Look for opportunities to distribute left over food to people in need, such as by partnering with existing organizations that do this.

- Consider financial, social, and environmental impacts over their entire lifetime when deciding how to manage hard assets like buildings and infrastructure.

10.4 Improve sustainability management through enhanced City business practices, system development, and leadership.

Suggested Actions:

- Consider different options to resource and support the implementation of the ESS.

- Seek to improve communication and coordination of sustainability initiatives among City departments.

Quick Start #23

- Provide an annual report via the Environment Committee of Council on progress and implementation of the ESS.

- Seek to improve integration of sustainability into management and decision making.

- Consider developing an approach for monitoring and reporting on progress toward the ESS vision and goals.

10.5 Develop programs to encourage and reward people who develop and try new or creative environmental practices.

Suggested Actions:

- Encourage people to be environmental leaders by promoting City awards programs: helping to promote existing awards programs offered by BC Hydro, Fortis and others; promoting contests and challenges; and profiling "lifers champions".

- Consider developing a program to foster neighbourhood green projects involving community education, engagement, and skills development.

10.6 Develop and nurture community partnerships.

Suggested Actions:

- Explore ways to develop and nurture partnerships with neighbouring municipalities, other levels of government (regional, provincial, federal, First Nations), community groups, industry and businesses.

- Consider hosting regularly scheduled meetings of Burnaby inter-departmental staff and stewardship groups to exchange information on sustainability related projects and initiatives.

- Investigate concerning interagency cooperation task forces to achieve goals across all levels of government, with business and public representation.

- Consider partnering with community groups and schools to assess and monitor local ecology and restore ecosystems. For example:
 - Review and where possible enhance city-supported coordination of environmental community groups.

Quick Start #24

- Undertake an opportunity analysis for enhanced support and coordination of streamkeeper groups by the City.
- Support university-led ecology research in Burnaby.

What Can You Do?

Educate

- Learn about ecology and sustainability issues that interest you.
- Support environmental education in schools.
- Enroll children in nature programs.

Get Engaged

- Participate in events like Earth Hour, Bike to Work Week, Car-Free Festivals.
- Vote!
- Give feedback to the City – write letters, attend open house events, or attend Council meetings.
- Volunteer with an environmental community organization.
- Organize a neighbourhood clean-up.

Communicate and Network

- Share your knowledge with others at work, school and at home.
- Write an article or blog.
- Host a neighbourhood party or event with a sustainability theme.

Want more info on how to get started? Please go to www.burnaby.ca/ess!

🏠 Big Moves IN PROGRESS
★ Big NEW Moves
🌟 FUTURE Big Moves
✔ Quick Starts

To view a larger version, please ask one of our event hosts for a larger version or visit <http://bit.ly/ESSmanage>.

Is the MANAGE goal headed in the right direction?

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
1) Do you support the MANAGE goal, strategy and suggested actions?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Tell us why?						

Thank you for your feedback!

If you would like to be entered into our prize draw, please complete all questions below.

Your responses to these questions will be kept confidential.

Have you got involved in the ESS process before?

- Yes
- No

What is your relationship to Burnaby?

Please check all that apply. **This question is mandatory.**

- I live here
- I work here
- I go to school here
- I work for the City of Burnaby
- Other, please specify...

Enter the Prize Draw!

To be entered into the prize draw, please provide the following information.

Name: _____

Street address: _____

E-mail or phone number: _____

- Check here to receive email updates about the ESS.

Help us understand the results better

To help us understand how representative this survey response is for Burnaby, we're collecting age information. Please help us out by responding to the following:

Please indicate your age group:

- Under 18 years
- 18 to 24 years
- 25 to 34 years
- 35 to 44 years
- 45 to 54 years
- 55 to 64 years
- 65 and older
- Prefer not to answer



Burnaby
Community
Energy and
Emissions Plan

My CEEP Questionnaire

Thank you for getting involved!

Introduction

Burnaby's **Draft Community Energy and Emissions Plan (CEEP)** is a plan to reduce the community's overall energy use and greenhouse gas (GHG) emissions, in order to address climate change, improve local air quality, save money, and improve health and community livability.

The Draft CEEP:

- supports many of the goals of the Draft Environmental Sustainability Strategy (ESS) as well as the Economic and Social sustainability strategies (please visit www.burnaby.ca/ess-input for more information on the Draft ESS);
- focuses on four key sectors: **Buildings, Transportation, District Energy and Solid Waste**; and
- includes targets for GHG reduction along with goals, strategies and actions.

Please visit www.burnaby.ca/ess-input for more information on the Draft CEEP and the related Draft ESS.

Questionnaire Purpose: *Are We On the Right Track?*

Before we finalize the CEEP and submit it to Council for approval, we want to know if we're on the right track.

The CEEP questionnaire has two parts:

- **Part 1 - Burnaby Emissions & Draft Reduction Targets:**
(10 mins)
- **Part 2 - Draft Strategies to Reach the Targets:**
(5 mins each sector or 20 mins in total)

Please tell us what you think!

The questionnaire should take between **15 and 30 minutes** to complete, depending on how many questions you choose to respond to. After completing **Part 1**, you can

submit your response, or continue on to answer one or more of the **Part 2** questions on the four sectors. The choice is yours!

Complete the Questionnaire for your Chance to Win!

We really value your time and ideas. If you complete the questionnaire by May 31, 2016 you will be entered into a draw to win some of the **\$1,100 in prizes!**

Provide responses to the general **Part 1** questions to be entered in a draw to win one of the following prizes:

6 Broad City Themes

6 ESS Eco-messenger bags (\$35 each)

Provide responses in **Part 2** to at least one of the 4 sectors - buildings, district energy, transportation and solid waste and you will be entered in a draw for the following prizes:

4 Sectors - Buildings, District Energy, Transportation and Solid Waste

4 ESS Stormtech jackets (\$120 each)

4 tickets to the *Burnaby Blues and Roots Festival* (\$280)

4 compost bins (\$40 each)

BONUS! Burnaby is also seeking feedback on the final Environmental Sustainability Strategy. For more chances to win fabulous prizes, consider filling in the ESS questionnaire after the CEEP survey!

Part 1. (10 minutes)

BURNABY TODAY

Climate change is one of the most pressing challenges currently faced by society. Burning fossil fuels, including for heating our homes and businesses and powering our cars and trucks, is one of the main sources of greenhouse gas (GHG) emissions, a key driver of climate change. Burnaby's Community Energy and Emissions Plan (CEEP) will help to reduce our community's GHG emissions and meet other goals like improving local air quality, saving money, and improving health and community livability.

Why Does It Matter?

- Climate change is one of the most pressing global issues of our time.
- We are already experiencing the effects of climate change, from more wildfires to intense storms to summer droughts.
- We can do many things locally to help.

Additional Benefits

- Reducing air pollution can improve air quality and also help to make us healthier.
- Improving transportation choices can help everyone get around Burnaby safely.
- Reducing energy use helps Burnaby businesses and residents save money.

1) How well informed would you say you are on the topic of climate change?

- Very well informed
- Somewhat well informed
- Not very informed
- Don't know

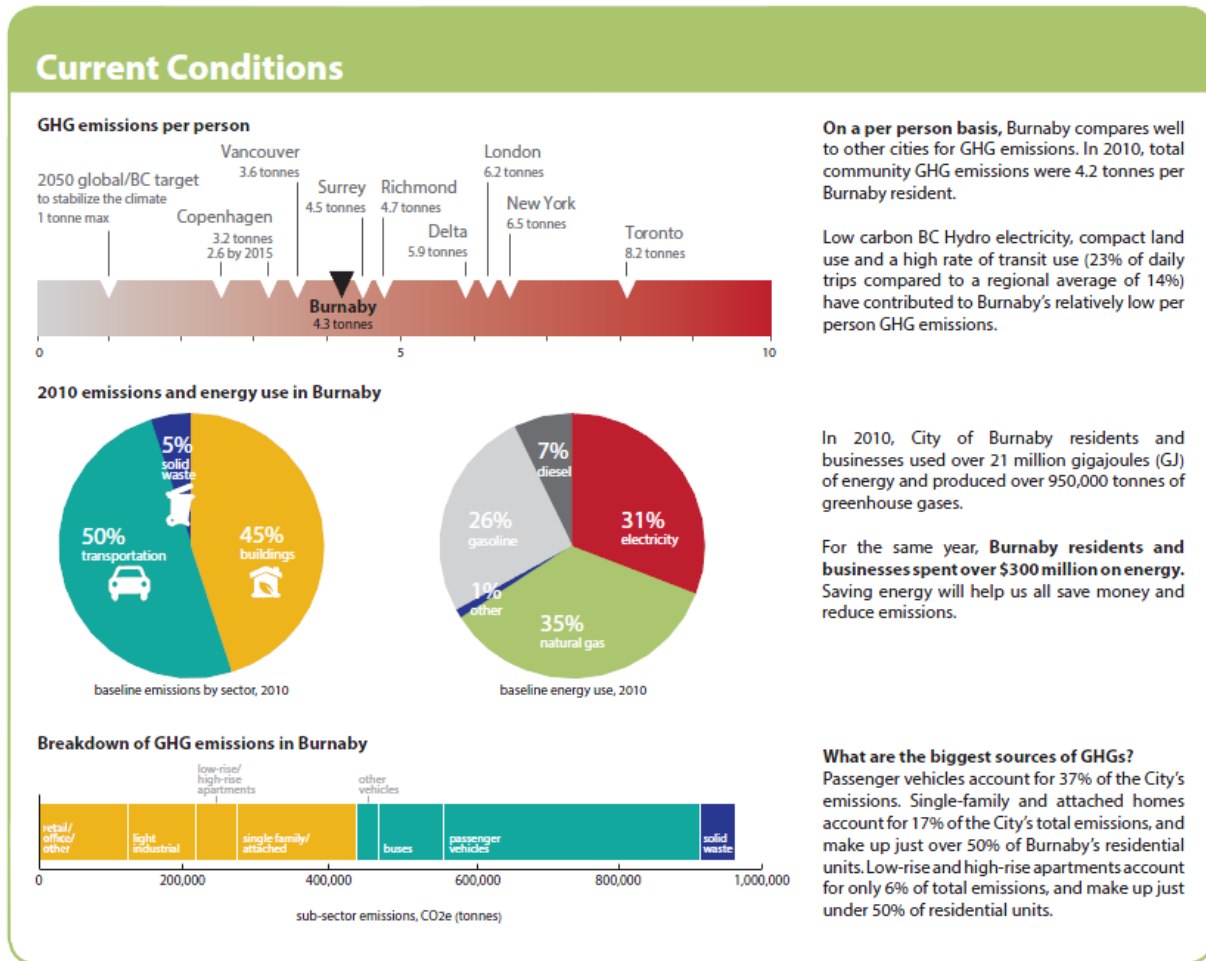
2) Do you agree that reducing our GHG emissions is an important area for action on the part of the City, our partners and our citizens?

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree
- Don't know

Tell us why or why not:

Burnaby Today

Please take a look at this information and then answer the question below.



3) Did you learn anything new about Burnaby's emissions sources?

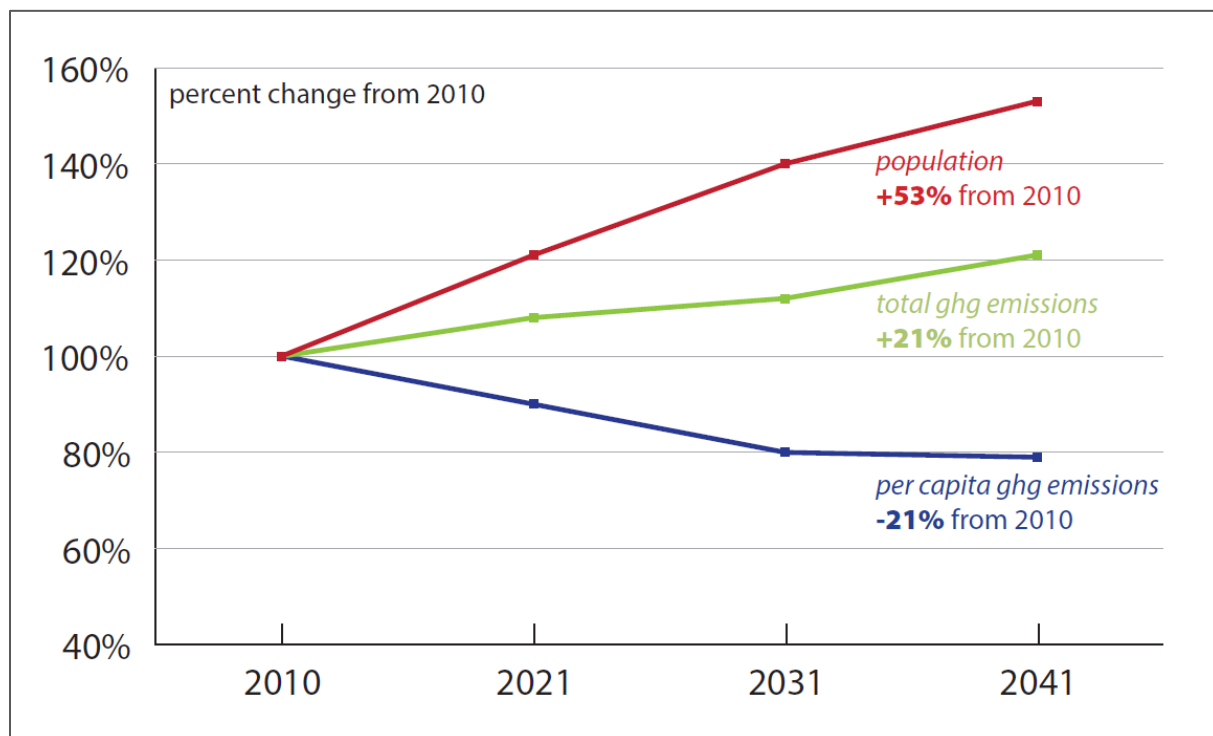
- No, they are about what I expected.
- Yes, I was surprised to learn that... (please comment below)

Burnaby's Challenge

Burnaby has made great progress in wise energy use and emissions management, particularly with compact land use planning around SkyTrain stations. However, the City also faces several challenges in reducing total community emissions over time, which require careful consideration:

- Significant population growth (120,000 more people by 2041) – see graph below (**red line** at the top).
- Limited control of several key ways to reduce energy and emissions, such as improving transit service and vehicle efficiency standards.
- Limited local government resources, both human and financial.

Reducing total community emissions, even as Burnaby's population grows.



Burnaby's challenge is to reduce community emissions, even as our population grows (over 50% by 2041 as shown by the **red line** at the top). Even with each person forecast to produce fewer emissions in the future (a reduction of more than 20% by 2041 as shown by the **blue line** at the bottom), the City's total emissions are estimated to increase (by over 20% by 2041 as shown by the **green line** in the middle).

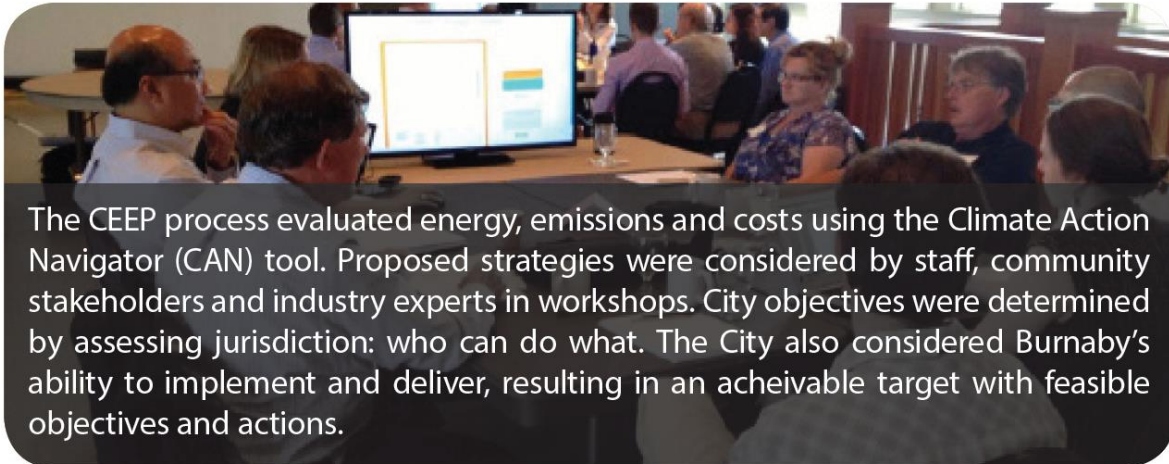
4) Did you learn anything new about the challenges Burnaby is facing?

- No, it's about what I expected.
- Yes, I was surprised to learn that... (please comment below)

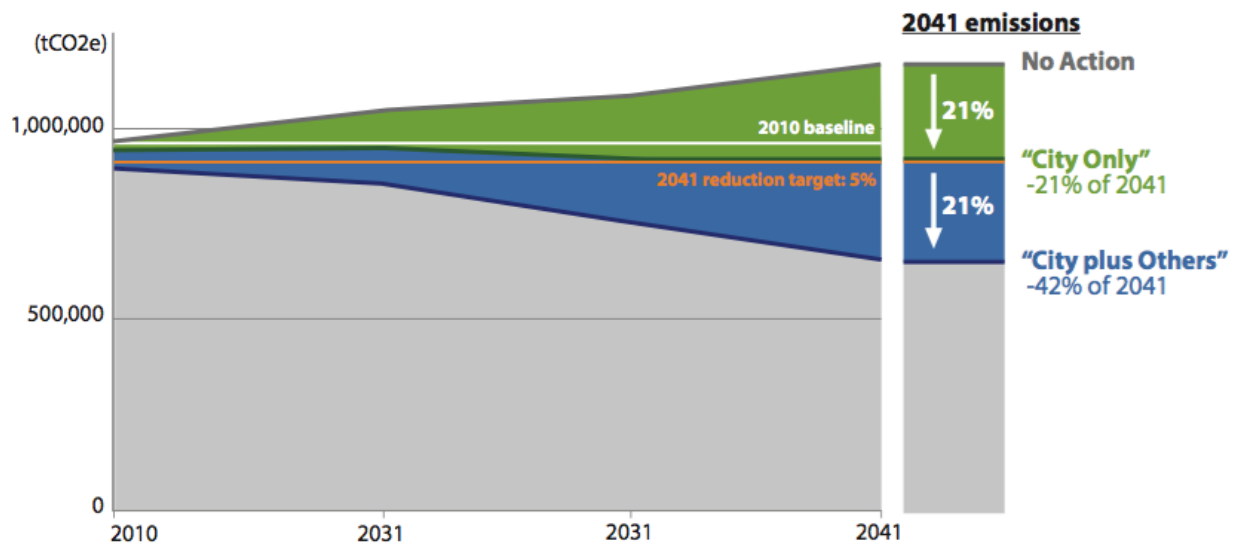
MEETING THE CHALLENGE

Reducing energy use and emissions is a shared responsibility and requires effort from the federal and provincial governments, regional organizations like TransLink, the business community, the City of Burnaby and citizens. The CEEP is a plan for the community (City, residents, businesses) to all take action.

How was the recommended target set?



Burnaby's recommended targets



What do the CEEP Targets mean?

The primary **"City Only"** target that Burnaby is committing to, in areas the City has control over, is a **5%** reduction in emissions by 2041 compared to 2010. This may sound like a 'small' target but it means that, by 2041, projected emissions will be

reduced by **over 20%**. This is a big reduction, as shown in the green band on the right hand side of the ‘wedge’ graph (previous page).

A second target, “**City Plus Others**”, shows how much emissions could be reduced if other agencies also took action alongside the City. The “**City Plus Others**” target shows that with this cooperation we could reduce community emissions by **over 40%** in total.

Each of these targets would contribute about equally to a projected GHG reduction by the year 2041, as shown in the ‘wedge’ graph on the previous page.

Estimated per capita emissions (tonnes per person)



As shown above, emissions can also be calculated per-person (per year). Today, average **per-person emissions** in BC’s communities are approximately 5 tonnes and in Burnaby they are 4.3 tonnes. Per-person emissions could be reduced to 2.6 tonnes with “**City Only**” actions, or further to 2.0 tonnes with “**City Plus Others**” actions. The BC target is 1.0 tonne per person by 2050.

Please answer the following questions on the proposed approach and the proposed targets.

Approach

Burnaby’s approach of setting two targets is unique. A “**City Only**” target and a further “**City Plus Others**” target makes it clear how the City can take action and how others can take action.

5) Tell us what you think of the approach of setting two targets.

<p>5a) Do you support this two target approach (“City Only” and “City Plus Others”)?</p>	<p> Strongly Oppose Oppose Neutral Support Strongly Support Don't know </p> <p style="text-align: center;"> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> </p>
<p>5b) Tell us why or why not?</p>	

Targets

The “**City Only**” target calls for a 5% reduction in GHGs by 2041 (compared to 2010), which amounts to reducing total projected community emissions by over 20% in 2041. The City has control over these actions.

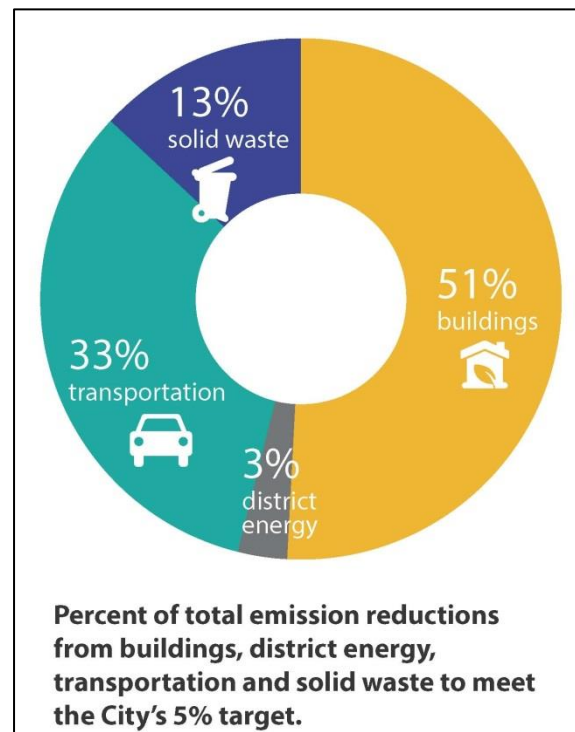
The City’s proposed reduction target is based on a strategic approach that includes six city themes – two city-wide and four sectors (**Buildings**, **District Energy**, **Transportation** and **Solid Waste**).

City-Wide

1. Continue to **Demonstrate Leadership** on energy and emissions through city initiatives and civic facilities like the energy efficiency features included in the Tommy Douglas Library.
2. Continue the City’s commitment to planning **Complete Communities** and transit-oriented development.

Four Sectors

3. Achieve high energy performance in new **Buildings** and encourage energy upgrades in existing buildings.
4. Continue to pursue **District Energy** in large redevelopments.
5. Support a multi-modal **Transportation** system that encourages walking, cycling and public transit.
6. Continue to increase **Solid Waste** diversion like recycling, food scraps and yard waste.



More specific details on the proposed strategies for each of these sectors are provided in Part 2 of this questionnaire.

It is estimated that the total net cost to the community (all of us in total - residents, businesses, the City and others) of the proposed “**City Only**” target would be a savings of \$1 for every tonne of GHGs we reduce. Cost savings in some areas like more energy efficient buildings and reduced travel would offset costs in other areas like district energy, vehicle electrification, and waste.

6) Tell us what you think of the “City Only” target.

6a) Do you support this target?	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6b) Tell us why or why not?	
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The “**City Plus Others**” target calls for further reduction in GHGs by 2041, which amounts to reducing total community emissions by over 40% in 2041. Reaching this target would depend on actions by other levels of government as well as the City.

“Others” would include action by the federal and provincial governments, TransLink, BC Hydro, Fortis, and financial institutions. For example, others could:

Buildings

- Improve energy performance in the National Energy Code and BC Building Code
- Develop an energy efficiency “Reach Code”
- Provide rebates for home energy upgrades
- Require home energy EnerGuide labels when houses are sold
- Provide incentives for EnergyStar new homes
- Improve heating, hot water and appliance efficiency standards/regulations
- Provide utility programs to help commercial customers reduce energy use
- Enable national benchmarking programs (e.g. Portfolio Manager)
- Provide financing for energy efficient construction and upgrades

Transportation demand management

- Develop a regional parking strategy
- Adopt a regional road pricing strategy
- Bring in distance-based insurance

Transit improvements

- Ensure stable and increasing public transportation funding
- Upgrade to a Frequent Bus Network or Bus Rapid Transit

Improve the regional cycling network and infrastructure

Vehicle efficiency and fuel switching

- Improve vehicle fuel efficiency standards
- Continue the electric vehicle incentive programs
- Install fast-charge electric vehicle charging infrastructure
- Improve low-carbon fuel standards





7) Tell us what you think of the “City Plus Others” target.

7a) Do you support this target?	<p>Strongly Oppose Oppose Neutral Support Strongly Support Don't know</p> <p><input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/></p>
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<p>7b) <i>Tell us why or why not?</i></p>	
-------------------------------------------	--

Part 2. (5 minutes per sector or 20 minutes in total)

Part 2 of the questionnaire will ask for your feedback on the four CEEP sectors shown below.

 <p>Buildings</p>	 <p>District Energy</p>	 <p>Transportation</p>	 <p>Solid Waste</p>
<p>Achieve high energy performance in new Buildings and encourage energy upgrades in existing buildings.</p>	<p>Continue to pursue District Energy in large redevelopments.</p>	<p>Support a multi-modal Transportation system that encourages walking, cycling and public transit.</p>	<p>Continue to increase Solid Waste diversion like recycling, food scraps and yard waste.</p>

How do you want to complete this questionnaire?

You can choose to skip this section (the next six (6) pages) or share your thoughts on one or more of the sectors.

BUILDINGS

The CEEP proposes **City** strategies for BUILDINGS. Buildings represent Burnaby’s biggest opportunity for reducing greenhouse gas emissions (51% of the **City Only** target).



To reduce energy use and emissions from buildings, the **City** strategies would place a higher priority on reducing demand for energy by encouraging compact neighbourhoods, more energy efficient buildings and better building design. The Plan also calls for the investigation of re-using waste heat (through District Energy) and adding renewable energy supplies.

8) Tell us what you think of the following strategies the City could use to reduce energy use and emissions produced by BUILDINGS.

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
8.1) Use policies to encourage: <ul style="list-style-type: none"> energy efficient building types and locations; and density and mixed use in town centres and areas well served by transit. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.2) Meet updated building code requirements for new building energy performance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.3) Encourage new building design and construction to be more energy efficient than required in the BC Building Code, including using passive design, improved building envelope design and efficient heating and cooling systems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	<i>Don't know</i>
8.4) Develop programs and incentives to encourage residents, businesses and building owners to improve energy efficiency when renovating buildings.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.5) Develop policies and programs to measure and communicate how much energy a building uses (for example using energy audits and EnerGuide labels or building benchmarking).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.6) Encourage more re-use and recycling of building materials when a building is being torn down.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.7) Encourage using renewable energy in buildings, like solar power/heat, geothermal heat (ground heat), and re-using waste heat from nearby sources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>Do you have any comments about one or more of these strategies?</i>						
8.8) Are there any other BUILDING strategies the City should consider?						

DISTRICT ENERGY

The CEEP also proposes **City** strategies for DISTRICT ENERGY. Using District Energy to heat our buildings could further reduce our building-related greenhouse gas emissions (an additional 3% of the reduction).

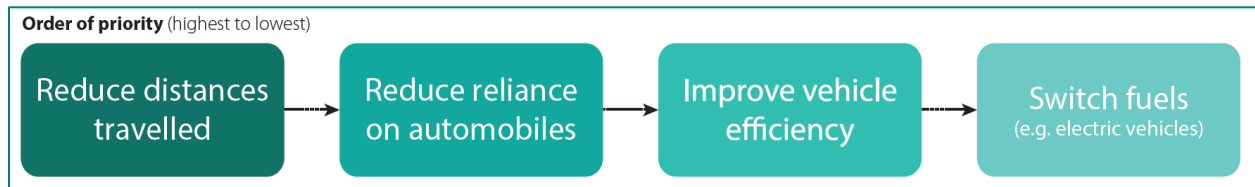
District Energy is a heating system (central plant) that supplies heat to multiple buildings linked together by underground pipes carrying heated water. The energy source can be natural gas, waste heat (from sewers or other sources), biomass (waste wood), solar or geothermal (heat in the ground). These systems can be more efficient than heating buildings individually, and, when a low-carbon fuel source is used, also reduce GHG emissions.

9) Tell us what you think of the following strategies the City could use to reduce energy use and emissions by using DISTRICT ENERGY.

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	<i>Don't know</i>
9.1) Continue to investigate District Energy opportunities in large new developments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.2) Encourage using waste heat from sources like industrial sites and sewers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.3) Encourage low-carbon fuel sources for existing or new District Energy systems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.4) Consider requiring or encouraging heating/cooling systems in new developments that allow for future connection to a District Energy system.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>Do you have any comments about one or more of these strategies?</i>						
9.5) Are there any other DISTRICT ENERGY strategies the City should consider?						

TRANSPORTATION

The CEEP also proposes **City** strategies for TRANSPORTATION. Over a third of our proposed emission reductions (33% of the **City Only** target) could come from improving our transportation options.



The transportation strategies build on Burnaby’s leadership in creating compact neighbourhoods where travel distances are shorter and walking, biking and transit are options to using the car. By reducing the demand for driving, emissions from transportation drop substantially. For those areas where walking, biking and transit are not easy to use, encouraging car share programs and electric vehicle charging stations could help reduce the energy used and emissions produced by our community’s cars and trucks.

The transportation approach focuses on areas that the City can improve. More bus service, for example, is an action taken by “Others” like TransLink and the Province.

10) Tell us what you think of the following strategies the City could use to reduce energy use and emissions by using TRANSPORTATION.

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
10.1) Develop a Transportation Plan that emphasizes citizens’ ability to move comfortably around Burnaby at any age as a pedestrian, cyclist, transit user or mobility scooter user.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.2) Continue to develop and improve Burnaby’s comprehensive pedestrian connections and cycling network.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.3) Partner with school board, community groups, businesses, business associations and the police to foster and support a culture of walking and cycling throughout all parts of the city.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10.4) Improve the transit experience in Burnaby, like more bus stops and more shelters and bus priority measures.	Strongly Oppose <input type="radio"/>	Oppose <input type="radio"/>	Neutral <input type="radio"/>	Support <input type="radio"/>	Strongly Support <input type="radio"/>	<i>Don't know</i> <input type="radio"/>
10.5) Encourage electric vehicles by: <ul style="list-style-type: none"> Developing policies and programs that encourage electric vehicle use. Requiring or encouraging electric vehicle charging stations in new developments. Exploring partnerships to install publicly accessible electric vehicle charging stations. 	Strongly Oppose <input type="radio"/>	Oppose <input type="radio"/>	Neutral <input type="radio"/>	Support <input type="radio"/>	Strongly Support <input type="radio"/>	<i>Don't know</i> <input type="radio"/>
10.6) Encourage and develop partnerships to expand car-sharing opportunities.	Strongly Oppose <input type="radio"/>	Oppose <input type="radio"/>	Neutral <input type="radio"/>	Support <input type="radio"/>	Strongly Support <input type="radio"/>	<i>Don't know</i> <input type="radio"/>
10.7) Encourage local businesses to provide programs and incentives for sustainable transportation like discounted transit fares and showers and lockers for cyclists.	Strongly Oppose <input type="radio"/>	Oppose <input type="radio"/>	Neutral <input type="radio"/>	Support <input type="radio"/>	Strongly Support <input type="radio"/>	<i>Don't know</i> <input type="radio"/>
10.8) Develop a comprehensive, city-wide plan for parking that explores the use of a range of options like adding parking meters, reducing parking, and introducing parking permits.	Strongly Oppose <input type="radio"/>	Oppose <input type="radio"/>	Neutral <input type="radio"/>	Support <input type="radio"/>	Strongly Support <input type="radio"/>	<i>Don't know</i> <input type="radio"/>
<i>Do you have any comments about one or more of these strategies?</i>						
10.9) Are there any other TRANSPORTATION strategies the City should consider?						

SOLID WASTE

The CEEP also proposes **City** strategies for SOLID WASTE. Although solid waste is something we need to tackle together as a region, there are steps Burnaby can take to reduce our emissions (13% of the **City Only** target).

The Solid waste approach is for the **City** to continue implementing its part of the regional waste management plan, including expanding food scrap and yard waste collection to apartment buildings and businesses.

11) Tell us what you think of the following strategies the City could use to reduce energy use and emissions by reducing SOLID WASTE.

	Strongly Oppose	Oppose	Neutral	Support	Strongly Support	Don't know
11.1) Continue to demonstrate leadership at City Hall with expanded recycling, and through partnerships in the community, like extending food scraps programs with community partners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11.2) Continue taking municipal actions in Metro Vancouver's Integrated Solid Waste Management Plan to reach a regional diversion rate of 80% by 2020. For example, expand the food scraps and yard waste collection program to apartment buildings and look for opportunities to divert waste from construction sites.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>Do you have any comments about one or more of these strategies?</i>						
11.3) Are there any other SOLID WASTE strategies the City should consider?						

Other Ideas and Comments

12) Are there other energy and GHG reduction strategies or actions that you would like the City of Burnaby to consider?

13) Please provide any **other** comments **you may have** on the Burnaby CEEP.

Thank you for your feedback!

If you would like to be entered into our prize draw, please complete all questions below.

Your responses to these questions will be kept confidential.

What is your relationship to Burnaby?

Please select all that apply. **This question is mandatory.**

- I live here
- I work here
- I go to school here
- I work for the City of Burnaby
- Other, please specify...

Enter the Prize Draw!

To be entered into the prize draw, please provide the following information.

Name: _____

Street address: _____

E-mail or phone number: _____

Help us understand the results better

To help us understand how representative this survey response is for Burnaby, we're collecting age information. Please help us out by responding to the following:

Please indicate your age group:

- Under 18 years
- 18 to 24 years
- 25 to 34 years
- 35 to 44 years
- 45 to 54 years
- 55 to 65 years
- 65 and older
- Prefer not to answer

Version: 2016 Apr 4

Questions

We welcome questions, comments, and feedback.

- ecoplanning@burnaby.ca
- 604-294-7400
- <http://www.burnaby.ca/ess-input>

Submit your Feedback

Please send your feedback by May 31 to:

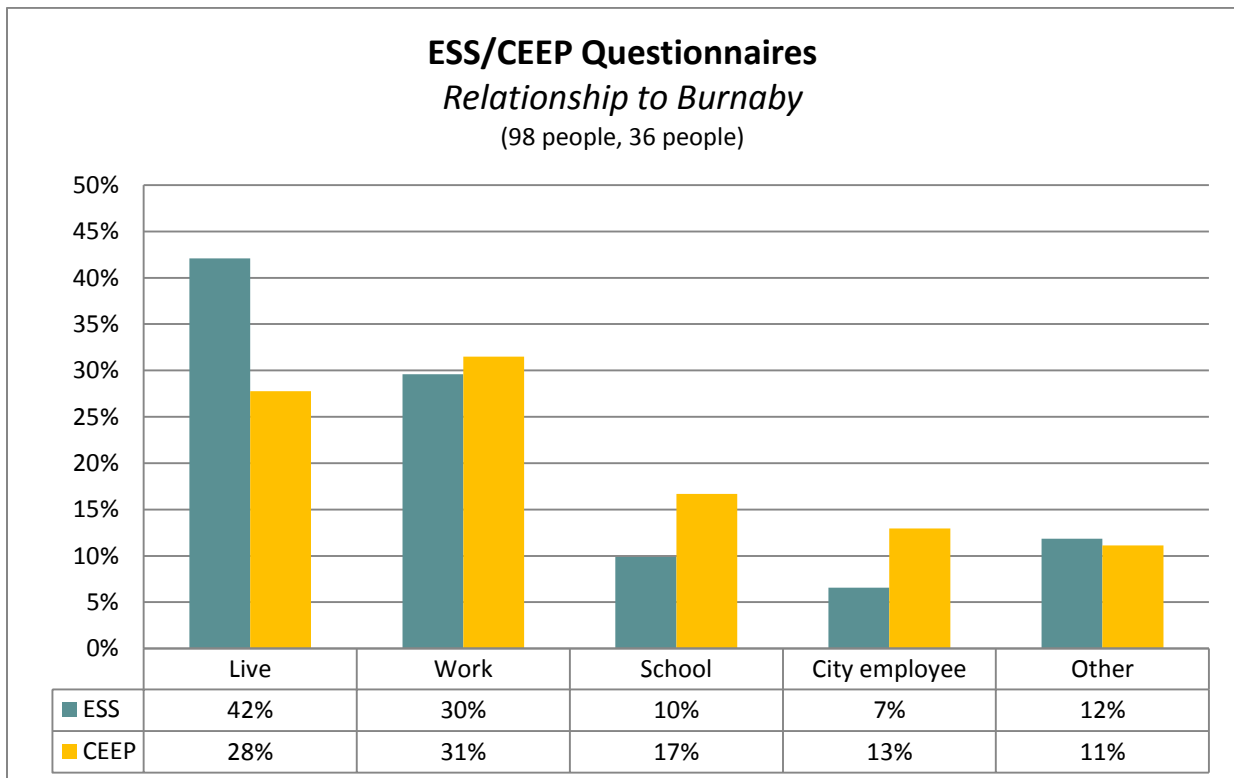
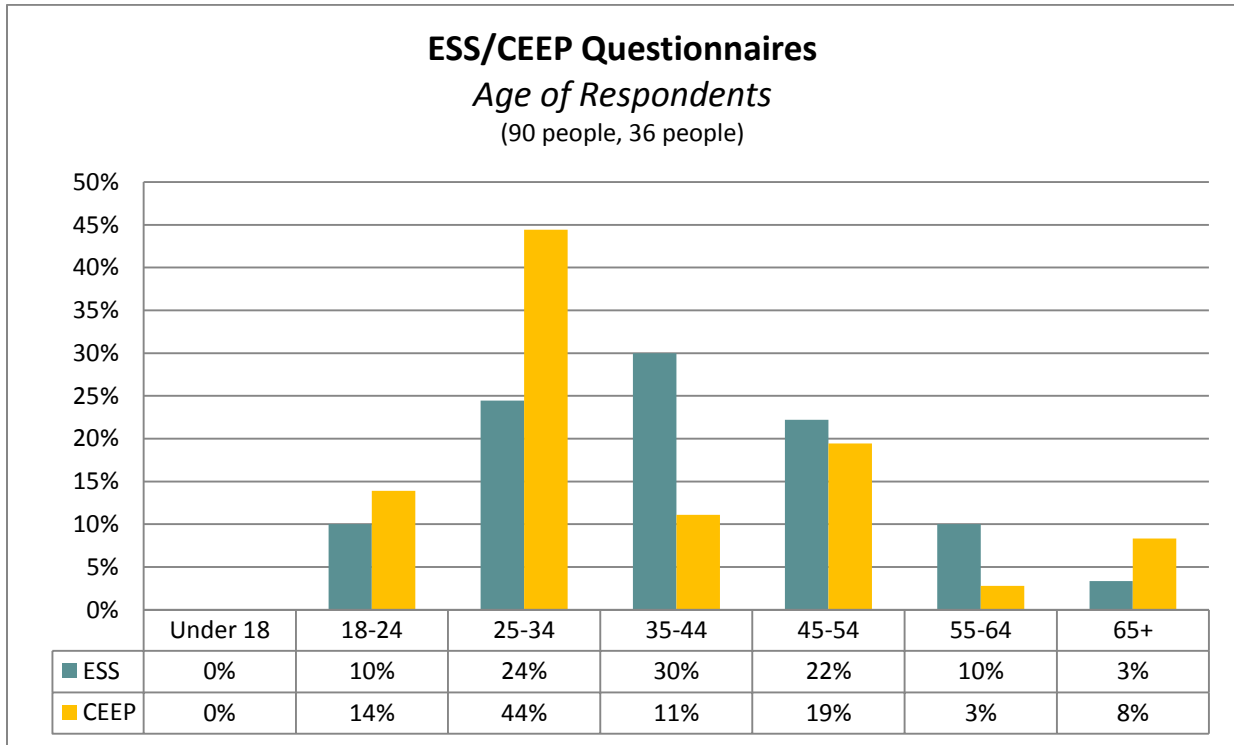
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Burnaby, British
Columbia, V5G 1M2

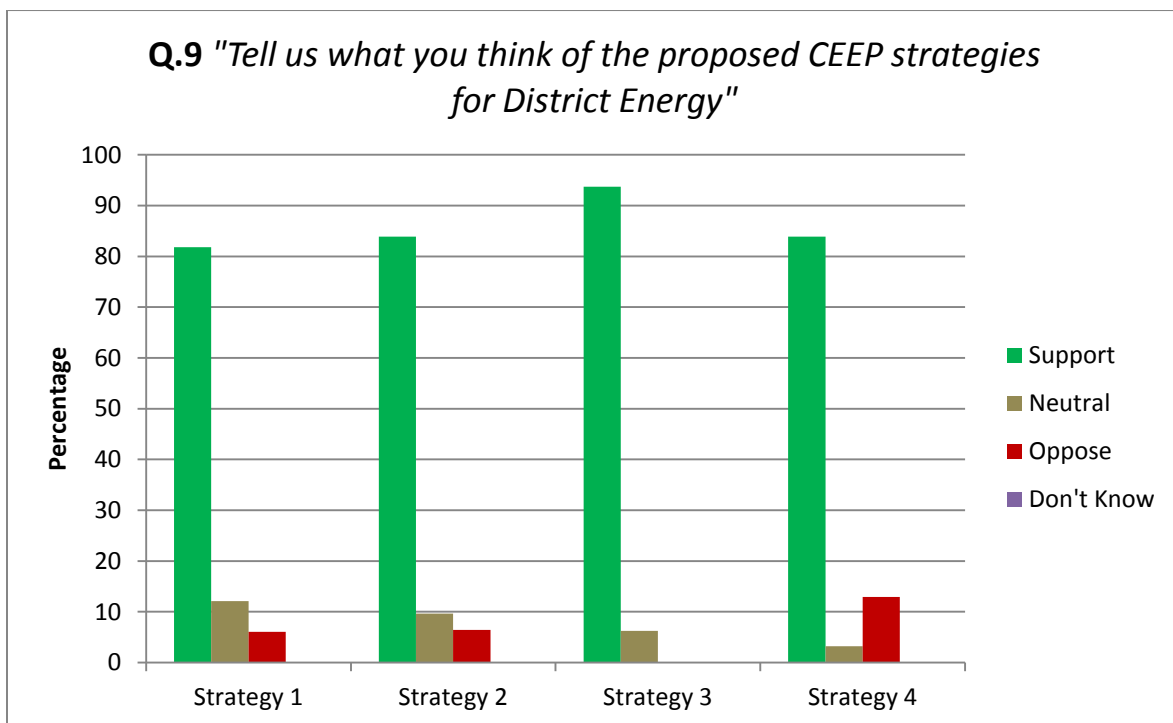
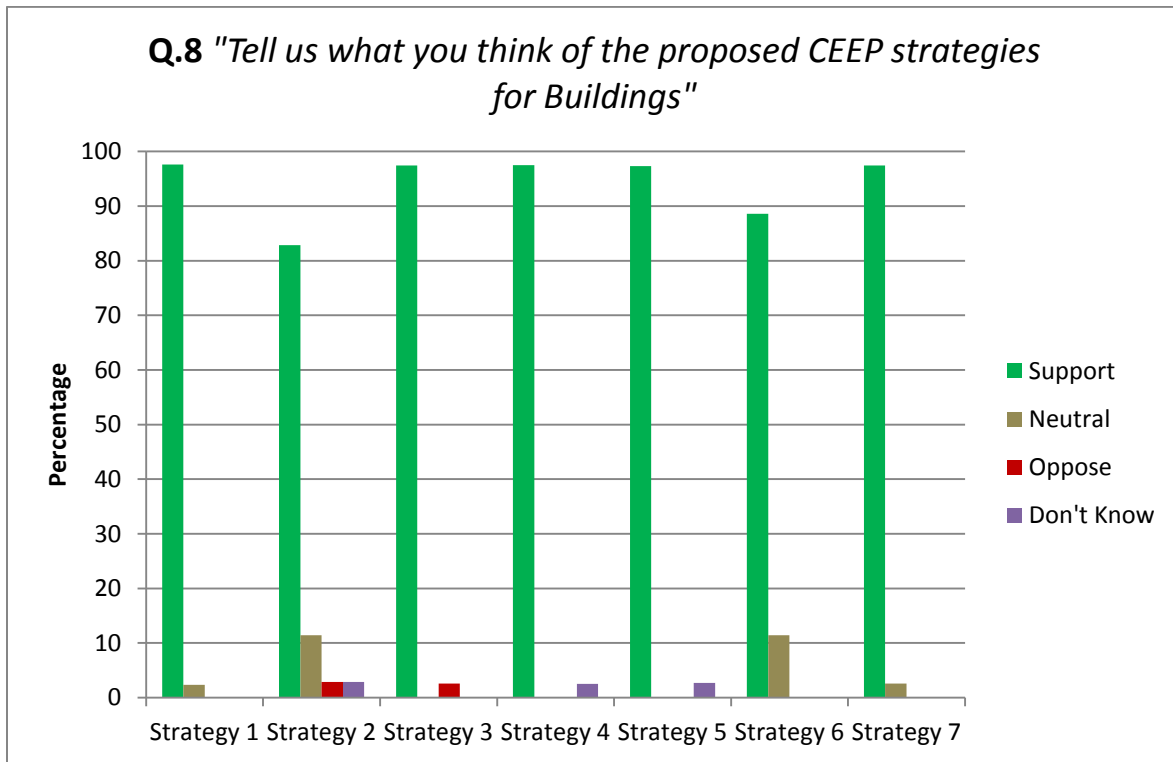
Appendix D.

Who Answered the Questionnaires

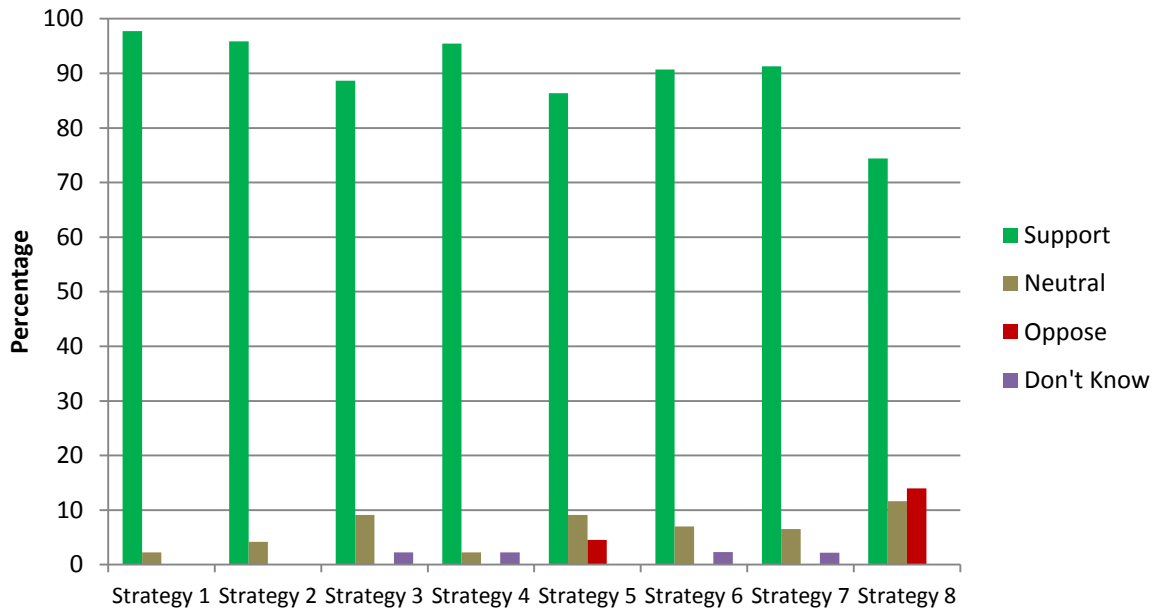


Appendix E.

Additional CEEP Questionnaire Responses



Q.10 "Tell us what you think of the proposed CEEP strategies for Transportation"



Q.11 "Tell us what you think of the proposed CEEP strategies for Solid Waste"

