



City of Shoreline Climate Action Plan Update

Workshop #3 – Keeping Warm, Staying Cool — Achieving Carbon-Neutral Buildings and Energy

WORKSHOP OVERVIEW

This document summarizes participation, discussion, questions, and feedback from the City of Shoreline’s third Climate Action Plan (CAP) public workshop, held on Zoom on March 16, 2022, at 6:00–8:00 pm PST. This input will be used to inform upcoming community conversations and the development of the CAP update.

- 80 people registered and 34 people attended (in addition to City and consultant staff).
- Workshop agenda is below:

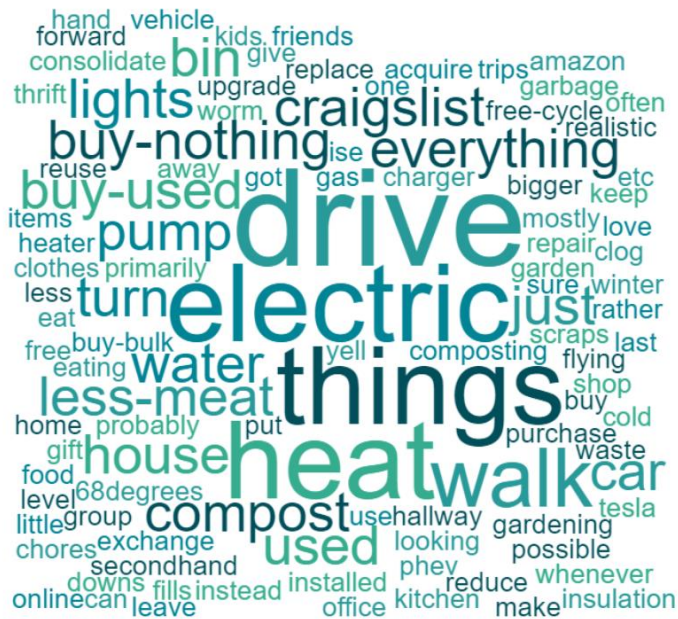
Time	Topic
6:00 pm (15 min)	Welcome and introductions
6:15 pm (50 min)	Presentation: Review of CAP Goals, Recap of Workshop #2, Workshop #3-4 Goals
6:20 pm (30 min)	Presentation: Buildings & Energy, Consumption & Waste - Overview, Goals/Targets, Action List
6:50 pm (5 min)	Transition to Breakout Rooms
6:55 pm (55 min)	Breakout Group Discussion: Draft Strategies & Actions
7:50 pm (10 min)	Wrap-up and adjourn

WORKSHOP OBJECTIVES

- Review CAP process
- Recap feedback from Workshop #2 and share goals for Workshops #3–4
- Introduce proposed **buildings & energy, consumption & waste** strategies and actions
- Review actions with community members

ICEBREAKER

Participants were asked to answer the question “What is something you do in your personal life to reduce your carbon footprint from energy consumption or waste generation?” in the chat. Participants’ actions to reduce their carbon footprint include reducing their consumption of new items and choosing to obtain secondhand, driving an electric vehicle rather than gasoline-powered, reducing their use of electricity for lighting and heating where possible, and reducing their meat consumption.



- Buy only secondhand clothes
- Thrift items
- Buy bulk
- Primarily drive a used electric vehicle
- Upgrade insulation on my home.
- Buy used things - craigslist mostly
- Turn off all the hallway lights in my office. I am often the last to leave.
- Walk instead of drive; consolidate car trips to drive less
- All electric house with heat pump
- Walk for most chores and keep heat under 68degrees in winter.
- Repair rather than replace, if realistic
- Composting, gardening, etc.
- Walk whenever I can. Buy used.
- Drive electric car, have a worm bin for kitchen scraps
- Drive as little as possible and no flying; we have heat pump heat and water heater and all electric house.
- Use Buy Nothing group to give away and acquire things
- I just got a tesla so looking forward to no more gas!
- Reduce and reuse things
- Do not online shop (Amazon) love Free-cycle
- Compost and garden
- Yell at the kids to turn off lights
- installed a Level 2 charger for our PHEV
- Buy nothing & just exchange everything
- Purchase used everything - and craigslist free
- Use cold water
- Gift hand me downs to friends
- Make sure to put food waste into compost bin so it doesn't clog up the garbage fills
- Eat less meat
- Eating less meat is probably one of the bigger things I do

OVERARCHING FEEDBACK & TAKEAWAYS

Buildings & Energy:

- There is **strong support for electrifying** and moving away from fossil fuels, especially when prioritizing **localized energy production, such as renewables**. Participants feel that the City of Shoreline should **be a model of electrification actions**.
- Participants were concerned about the **cost of electrifying** and felt that **education is crucial** to transitioning away from fossil fuels, because there is a generally low amount of knowledge of actual costs to transition, changes to monthly bills, and the environmental impact of switching.
- It is necessary to provide financial assistance to those who cannot afford to electrify, install solar, etc. through rebates, incentives, and grants. Financial incentives are needed especially for **solar installation**.
- Having access to clean energy that **isn't tied to ownership of land/property** is important, so options should be available to those who rent.
- **Ethical sourcing** of all materials for renewables, such as domestic production, is important to Shoreline's residents.
- Increased focus should be placed both on **retrofitting existing construction**, rather than mostly on **new construction**.

Consumption & Waste:

- Participants strongly support actions working to **reduce waste of all types**, and suggested many different promotions including **reusable takeout containers, food waste reduction apps, and reuse options promotions**.
- **Education around recycling and composting** can be complicated, reducing participation, so it's crucial to simplify this process to increase engagement.
- Suggestion to consider all living situations in these actions – **expanding recycling and compost services** to be accessible to single and multi-family residences.
- There's a need to **expand recycling services** to accept more items such as incandescent light bulbs and all types of plastic bags.

ZOOM CHAT Q&A

Throughout the workshop, attendees were encouraged to submit their questions into the Q&A box on the Zoom platform. City and consultant staff provided verbal answers to some questions during designated Q&A sessions. Some questions asked in the chat have been edited for clarity and grammar.

Buildings & Energy

- What is green stormwater?
 - *Answered verbally: Green stormwater infrastructure refers to things like green roofs and rain gardens, that are ways that we can manage stormwater and rain runoff more naturally by mimicking nature's patterns, rather than sending it into a pipe, ditch, or other options that have a higher environmental impact.*
- How are GHG emissions measured? And how often in a year are they measured?
 - *Answered verbally: Historically, Shoreline has done an inventory every 4-5 years. The last one was just completed in 2021 for the 2019 year. Completing an inventory is a very involved data collection process – requesting data from City departments, utility providers, information about the community, etc. Because it's such an involved process, that's why the City does them every 4-5 years, mainly due to lack of capacity to support such a big lift.*
- With the urban heat island effect in dense development with tree reduction, Shoreline will keep having warmer temps. Based on recent warming trends, it seems even more important to maintain tree cover. There is large

concern that the Sears area will result in increased heat and therefore more AC usage and strain on the power grid. Is there a consideration to keep single family zoning near Shoreline Place where there's many 100-year-old trees that can't be replaced and are providing air and water pollution benefits?

- *Answered verbally: This is a great point – sequestration, urban heat, etc. are things we need to think about and will be discussed in the next Community Climate Conversation on March 30th. Thinking about Shoreline Place, developed in the 1950s is a huge area of asphalt. Shoreline's building and development codes are much more advanced now than they were then. New buildings are built to much higher standards for water quality protection, energy efficiency, and include more bicycle and pedestrian improvements, all of which support sustainability. Additionally, through our zoning code, we are supporting denser housing options that are walkable to businesses and transit, which is a key strategy to reduce emissions. We can discuss this topic at the March 30th workshop!*
- Are there any incentives for adaptive reuse of existing buildings instead of all new construction (where the materials used generate GHG's during manufacturing)
 - *Yes, Council recently adopted Ordinance 959 which encourages adaptive reuse of existing commercial buildings for theaters, fitness clubs, daycares, professional offices, medical and vet offices, markets, restaurants/bars, and breweries. This code allows some vacant commercial buildings to potentially come back into use rather than sent to the landfill to make room for larger, mostly residential development.*
- Curious to know if Shoreline is considering actions to reduce GHGs/embodied carbon related to building materials?
 - *Answered verbally: Embodied carbon is a strategy that isn't heavily covered in this draft action list but is being considered. The City has an environmentally preferable purchasing policy which includes considering the lifecycle costs of products and materials used in City projects. The Deep Green Incentive program for private development is very comprehensive and holistic. Several of the certification programs, Built Green 4-Star and LEED Platinum, for example, include measures related to reducing embodied carbon in building materials embodied carbon aspects.*
- With new construction building in downpours of rain using various types of plywood in construction, what protects the plywood from water intrusion and later toxic mold infestations?
 - *Answered verbally: This is a major concern and has been for many years because an aspect of the energy code is to improve building envelope efficiency to conserves energy and keep weather out. This relates to maintaining indoor air quality. During construction, before buildings are sealed, there are steps taken to make sure no moisture is trapped. The requirements for "rain screens" are how building envelopes keep the rain out and remove condensation in walls.*
- Heat pumps can one heat homes above 45 degrees; resistance heating is used to supplement heating below that temp. How does this calculate into future efficiency requirements?
 - *Modern heat pumps can perform efficiently in cold weather and are currently used in much colder climates like Minnesota and Maine. From an emissions perspective, switching from fossil-gas heating systems to an electric heat pump is one of the most significant actions Shoreline residents can take. However, we want to support efficiency measures at the same time as electrification, both from a cost and energy supply perspective. (More info on heat pumps: <https://www.energy.gov/energysaver/air-source-heat-pumps>).*
- Our condo complex of 16 units has natural gas hot water tanks. We changed to electric a few years ago when we had problem with the gas water heater. Is there an incentive program to encourage residents to change to electric hot water tanks?
 - *Not currently, but that is something we are considering in the draft action list! Based on the ordinance passed by Council in December, new apartments over four stories are required to use all-electric systems for both space and water heating.*

- Does the city have a role in educating residents on options such as heat pumps before their old furnace breaks down?
 - *Yes, we can definitely provide more education around this. We've been promoting this information via the [Shoreline Climate Challenge](#) platform. We could potentially provide information via our Permitting department handouts or consider a more robust community education campaign.*
- Is there any pursuit of increasing Carbon uptake by requiring Green Roofs on new construction?
 - *Our Deep Green Incentive Program provides incentives for different green building techniques, including things like green roofs and sustainable landscape design. Development within the Light Rail Station Subareas is required to meet a base level of Green Building certification. Green roofs aren't required per se in these areas, but they are one of the options that developers can use to achieve the required certification.*

Consumption and Waste

- Does Shoreline Council plan to offer free recycle services to increase apartment recycle rate?
 - *Answered verbally: Recycling is currently free for all residents, businesses and apartments in Shoreline in that it's included in the cost of garbage service.*
- What is aerobic and anaerobic digestion?
 - *Answered verbally: When organic waste breaks down anaerobically, it releases methane, which is a potent greenhouse gas. But there are some large-scale facilities that can break that material down in a controlled environment to capture the gas as biogas which can be used as fuel and create a fertilizer byproduct. There are also smaller scale facilities that can be used on institutional campuses, etc.*
- Has Shoreline heard of Ridwell? Ridwell comes to pick up hard to recycle items every two weeks for a small monthly payment which is an equity issue, or you can go multiple places to drop off which increases carbon footprint. Would Shoreline ever subsidize this service for low-income households?
 - *Answered verbally: Absolutely, this is a great idea. Currently, Recology does have a pickup service, less extensive than Ridwell but includes free recycling pick up for batteries, textiles, propane cannisters, polystyrene foam, motor and cooking oil, and small electronics We've been in touch with Ridwell to discuss pilots!*
- When will composting be provided for apartments for free? Why do apartments have to pay for compost?
 - *Answered verbally: One of the C&W actions is considering requiring or subsidizing this for these properties. We are currently piloting this with restaurants right now and are considering trying this with apartments also in the next year!*
- How is the food waste in schools? Is this an area to improve in Shoreline? Perhaps share tables or a donation program?
 - *Answered verbally: There are lots of opportunities in schools for some very cool projects, like bulk milk dispensers to cut down on wasted milk, share tables, etc. The majority of campuses do have composting services, but this may be a significant opportunity for food waste prevention!*
- Is there any talk of Recology or another vendor (e.g., Ridwell) expanding curbside to include Styrofoam, plastic bags, and other hard to recycle items? [I take these to the transfer station, but it's not well known and it's inconvenient]
 - *Answered verbally: The Recology store takes Styrofoam, and you can schedule a special item pick up for Styrofoam as well. Plastic bags are on the radar and are in the process of working on it with companies like Ridwell! Most of the focus so far has been about how to get plastic bags out of curbside recycling*

carts. There are take back options at grocery stores, transfer stations, etc., but there is opportunity to make this more accessible.

BREAKOUT ROOM DISCUSSIONS

Participants were divided into six breakout rooms to provide feedback on the draft buildings & energy and consumption & waste strategies and actions. Participants were divided by focus area based on a Zoom poll asking their preference of which focus area they discussed. Key themes from the breakout room MURAL board responses are shown below for the goals and strategies. The discussion focused on support, concern, and equity considerations for the draft actions. The workshop MURAL board can be seen at [this link](#), and screenshots of the MURAL board notes are included in the Appendix.

Support:

Q1. How supportive are you of these actions?

Concerns:

Q2. Do you have any changes you'd like to make to this action or any concerns about this action that you'd like to flag?

Equity:

Q3: Looking at this action, are there groups of people that would be most burdened or benefitted by this action?

Gap Analysis:

Q4: Are there crucial strategies or actions missing and/or do you have new ideas for actions not currently reflected in this action list?

Buildings & Energy

Goal B-1: Electrify space and water heating for all new and existing buildings by 2030.

Action	Support	Concerns	Equity
B-1.1 Provide incentives for all-electric new single-family homes.	-	- Need for emphasis on existing homes also, not just new.	- This is an economic challenge for people who don't have resources to switch – support those who don't have the resources. -
B-1.2 Fees/tax on fossil-fuel heating equipment to fund low-income electrification.	- Support for this action. - Fees should be high enough to disincentivize fossil fuel use.	-	-
B-1.3 Advocate for State law changes to allow the City to require electrification for new single-family homes.	- Support for this action. - There is already action in the legislature to do this! Even if it's not passed, Shoreline should implement because without this, a big chunk is being left out.	- This is a big lift, especially in 8 years.	- Needs an incentive / financial assistance if it's required.

B-1.4 Incentives/education for homeowners to switch from gas/oil to electric heat pump. Prioritize inefficient/low-income.	<ul style="list-style-type: none"> - There is a good volunteer network to help educate on this topic. - Use past rebates as a model for providing rebates now for this. 	<ul style="list-style-type: none"> - Concern for replacement cost – incentives or rebates are needed. - Also include other inefficient heat to heat pump conversion. - There are many barriers to having a heat pump. 	<ul style="list-style-type: none"> - Maybe some residents with extra resources could help pay for heat pumps for people prices out of the market.
B-1.5 Promote financing (C-PACER) for commercial/multifamily building owners to switch to electric heating.	-	-	-
B-1.6 Incentives to replace gas with electric appliances.	<ul style="list-style-type: none"> - Support for this action - focus on replacement rather than new construction because Shoreline is mostly built out already. 	<ul style="list-style-type: none"> - Concern for replacement cost. - The rebate process is challenging to understand. - Incentives need to be good enough to encourage residents to switch, people are very attached to their gas stoves. 	-
B-1.7 Partner on electric heat pumps and energy efficiency job training.	<ul style="list-style-type: none"> - Would want to look to local job development for this action. - 	<ul style="list-style-type: none"> - What creative financial strategies exist that can help people make the switch from fossil fuels to heat pump conversion? 	<ul style="list-style-type: none"> - SCL may have an incentive program for heat pumps.
B-1.8 Switch remaining City facilities from natural gas to electric heat by 2030. Include efficiency and solar.	<ul style="list-style-type: none"> - Support for this action, preferable before 2030 though. The City should be serving as a model for the rest of Shoreline. 	-	

What's missing?

- Action for providing electrification education to residents.
- Action regarding building insulation (R-value).
- Retrofitting existing parking in multi-family buildings for EV parking.
- Weatherization action.
- Support a switch to a grid-localized community and decentralizing energy production

General Feedback:

- Many of these actions would be benefitted by policy change.
- Need for education regarding the cost of switching to electric and the difference in monthly cost of electric vs. gas and consider whether that cost is affordable to Shoreline's residents.
- Concern for the cost of gas infrastructure maintenance increasing as demand decreases.
- Concern that there aren't actions that will help folks who don't own their own property or rent business spaces.
- Define what's a need and what's a want.
- Conversion is a complicated issue – education is needed for the value of making the switch, which usually has a high up-front cost, and residents don't immediately know the environmental impact of retrofits.

- Need for incentivizing solar, because with increased electrification, the grid may not be able to handle demand.

Goal B-2: Increase energy efficiency of new and existing buildings

Action	Support	Concerns	Equity
B-2.1: Adopt local codes to increase commercial building efficiency.	-	- This would be increasingly detrimental to older buildings, as it costs more and is more work to make these retrofits, etc. This could be harmful to businesses in older buildings.	-
B-2.2: Help residents pay for energy efficiency retrofits. Focus on low-income households.	- Strong support for this action	- Concern that these retrofits may still be inaccessible even with funding assistance.	-
B-2.3 Provide education about home energy efficiency for residents, especially low-income and frontline communities.	- Strong support for this action. - This information should be VERY easily accessible.	- Include cost information about monthly cost differences, cost of switching to solar, impact of changes on state/federal actions on natural gas and electric rates, etc.	-
B-2.4: Promote financing (C-PACER) for energy efficiency projects at large buildings and schools.	-	-	-
B-2.5 Require buildings over 20,000 square feet to measure and report their energy use.	-	-	-
B-2.6: Adopt a Building Tune-Ups Ordinance for buildings 50,000 square feet or larger	-	- This is lower priority because it is already happening.	-
B-2.7 Require energy audits at time of sale or major remodel.	-	-	- Needs an incentive / financial assistance if it's required.

What's missing?

- Action regarding air conditioning - people may not be aware of alternatives and may be cost prohibitive.
- Need for an educational campaign before making replacements – include going electric in every page of the Currents.
- Provide free energy audits to encourage retrofiting.

General Feedback:

- Concern for energy poverty.
- Concern about backup power during inclement weather, if the grid goes down, etc. This is an equity issue if one can't afford a backup battery/generator.
- Public partnerships will be crucial for Goal B-2.
- This goal will provide a big educational challenge – contractors will not just suggest retrofits or efficient installations unless homeowners ask or push for these.
- Need more options for low-income residents who want to make changes – potential to look at who's getting support for their utilities, as a way to understand who would need financial support to make updates.
- Concern for the difficulty to electrify, based on gas and oil lobbyists' actions.
- No interest in using nuclear as an energy source.

Goal B-3: Increase renewable energy generation and access

Action	Support	Concerns	Equity
B-3.1: Provide incentives for on-site and community solar projects.	<ul style="list-style-type: none"> - Support for this action. - <i>Hope for community solar projects.</i> - <i>Beneficial for areas where homes aren't suited for individual solar.</i> - <i>Supportive of decentralized energy.</i> 	<ul style="list-style-type: none"> - Do big trees limit ability of installing solar panels? - Consider end-of-life for solar. - Need to look at solar permitting fees to make sure "soft costs" stay as low as possible. - Need for protections for personal/home solar – i.e.: preventing a neighbor from planting a tree that will block the sun. 	<ul style="list-style-type: none"> - Concern for the high up-front cost to install solar.
B-3.2 Adopt local codes to encourage on-site solar for new commercial/multifamily buildings.	<ul style="list-style-type: none"> - Support for this action. - Need for green requirements for new construction. - Shoreline codes need to be updated to local standards 	<ul style="list-style-type: none"> - Do big trees limit ability of installing solar panels? - Consider end-of-life for solar. - Concern that this doesn't include single family homes, but this would also need to include rebates/financing options. 	<ul style="list-style-type: none"> - Concern for the high up-front cost to install solar.
B-3.3 Provide financing for new affordable housing to be net-zero energy.	<ul style="list-style-type: none"> - Support for this action. - Can use Issaquah as a model for this - lots of passive heating, solar, grey water, etc. 	<ul style="list-style-type: none"> - Dependent on developers - there need to be stringent rules/laws and oversight. - Human health needs to be considered in new affordable housing 	<ul style="list-style-type: none"> - There are financial concerns for all actions, financing actions are necessary.
B-3.4 Support local/regional biogas and anaerobic digestion of food scraps.	<ul style="list-style-type: none"> - Support for this action. - Interesting potential here, how impactful is it? 	-	
B-3.5 Install solar panels and battery storage systems at new city facilities.	<ul style="list-style-type: none"> - Support for this action. 	<ul style="list-style-type: none"> - Do big trees limit ability of installing solar panels? - Consider end-of-life for solar. - Expand action, this is not enough. 	-

What's missing?

- ADU allowance in Shoreline to allow increasing density.
- Backup battery action for residential areas.
- Building siting action to use trees as a way to keep buildings cooler.
- Action relating to smaller projects – will have a lower impact but are much more accessible to accomplish.

General Feedback:

- New housing will need to be more dense and environmentally conscious.
- Need for even more incentives for solar.
- Having access to clean energy that isn't tied to ownership of land/property or business is important.
- Need to consider ethical sourcing of all materials for renewables, including domestic production.
- Support for all solar actions, strongest support for whichever is implemented fastest and is most accessible.
- Need to also stress the importance of renewables, rather than just the electric system.
- Consider the conflict between solar energy and tree canopy.
- Consider looking at building codes in other places (i.e.: Scandinavian countries) to see how they could be a model for changing methods and updating codes.
- Need to consider behavior change psychology for changing attitudes about all actions.
- Need for regular City communication about positive changes so far.
- Aim for common ground where necessary rather than getting exactly what the City wants.
- The current political system is disheartening with how it can impact law, policies, and actions.

Goal B-4: Support Affordable, Green Buildings that Conserve Water and Protect Habitat

Action	Support	Concerns	Equity
B-4.1: Adopt local codes that encourage water efficiency, water harvesting/reuse, green stormwater, etc.	<ul style="list-style-type: none"> - Suggestion to run a long-term educational campaign about lawns, including alternative options such as using Northwest native plants. - Start practicing green lawn shaming. - Look to cities like Portland and Bellevue for development rules related to mature trees. 	<ul style="list-style-type: none"> - Concerns about landscape chemicals. - Current concerns about stormwater runoff. Need to updating codes as possible to protect streams. 	-
B-4.2: Adopt a green building policy for City buildings and projects.	<ul style="list-style-type: none"> - The City should be the model for the rest of Shoreline and be loud about the policy changes. - Can use Issaquah as a model for lessons learned and environmental building design. 	-	-
B-4.3 Require proper use, monitoring, and disposal of refrigerants.	<ul style="list-style-type: none"> - Support for this action. 	<ul style="list-style-type: none"> - What about other hazardous materials? Expand to include end-of-life for solar materials. 	-
B-4.4: Expand the Deep Green Incentive Program.	<ul style="list-style-type: none"> - Support for this action. 	-	

What's missing?

- Action to work toward reducing water temperatures to protect fish populations.

General Feedback

Consumption & Waste

Goal C-1: Reduce per capita waste generation, especially food waste.

Action	Support	Concerns	Equity
C-1.1 Provide waste reduction programs with focus on food waste prevention.	<ul style="list-style-type: none"> - Supportive, and hoping for further action. - What is possible here based on public health concerns? Example: Hot items thrown out at delis/grocery counters could be distributed instead to prevent waste and address need and waste. Suggestion to Partner with these groceries to get on board 		-
C-1.2 Implement key strategies from the County's Re+ plan	-	-	-
C-1.3 Enhance local food rescue and donation networks.	<ul style="list-style-type: none"> - Supportive, but need to go further. Could Shoreline advocate at the state level to require food donation for grocery stores? 	-	-
C-1.4 Expand King County's "Repair Café" program in Shoreline.	<ul style="list-style-type: none"> - Support for this action – this would be very useful and informative. - Suggestion to pair this with a tool library. - Consider a partnership with King County Public Library. 	-	
C-1.5 Resident education on low carbon foods and food waste prevention.	-	-	-
C-1.6 Adopt a deconstruction ordinance to reduce waste from demolition.	<ul style="list-style-type: none"> - Support for this action. - Increased options for residents to piggyback on construction companies. 	<ul style="list-style-type: none"> - Worried about industry push back - it might necessary to start with incentives and education to homeowners. 	-
C-1.7 Identify waste reduction and reuse/donation opportunities in City operations	-	-	-
C-1.8 Provide staff training on waste reduction and sustainable procurement practices.		-	

What's missing?

- Promote food waste prevention models, including "Good To Go" app which connecting restaurants with leftover food to eaters.
- Promote the EnviroStars program which gives ratings to businesses for different sustainable efforts.
- Pilot or encourage reusable service ware containers for take-out, stores, the Shoreline Farmer's Market, etc., and consider ways to help small businesses have that ability.
- Consider rate structure or service options to incentivize less trash - i.e., "pay to throw" where residents only getting charged for when they produce waste – there's no cost for no cart out.
- Provide education about service waste container options for restaurants.

General Feedback:

- Support Government Reuse - i.e., Upstream - <https://upstreamolutions.org/government-reuse-forum>
- Encourage that individual actions matter to reduce waste, for example: during COVID, community meals replaced Styrofoam containers with paper and aluminum.

Goal C-2: Increase composting rate and expand access to compost services

Action	Support	Concerns	Equity
C-2.1 Require/subsidize composting for restaurants.	<ul style="list-style-type: none"> - Support for this action - ensure all business have access and ability to easily compost. - Huge need for this. - Low-hanging fruit. 	<ul style="list-style-type: none"> - Include businesses – businesses like Fred Meyer generate a huge amount of food waste. - 	-
C-2.2 Require/subsidize composting for multi-family properties.	<ul style="list-style-type: none"> - Support for this action. 	<ul style="list-style-type: none"> - Concern for smell holding back some properties. 	-
C-2.3 Provide community drop-off locations for food waste.	<ul style="list-style-type: none"> - Support for this action. - Currently there are drop off options at pea patches/community gardens - Community sees a need for this – one participant has an arrangement to use neighbor's compost bin. - Suggestion to set up a sharing program with single family residents. 	-	-
C-2.4 Provide equitable, culturally-relevant composting education for residents and businesses.	-	<ul style="list-style-type: none"> - Composting education can be confusing - it is a big ask for people to find out what to do with every little item. 	
C-2.5 Pilot small scale anaerobic digestion facilities.	-	-	-

C-2.6 Require adequate space for compost containers in new buildings.		-	-
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What's missing?

General Feedback:

- Take advantage of Shoreline's huge composting facility.
- How big of a deal is contamination in compost? Does this relate back to education?

Goal C-3: Increase recycling rate and expand access to recycling services

Action	Support	Concerns	Equity
C-3.1 Require recycling service at all businesses and multifamily properties.	<ul style="list-style-type: none"> - Support for this action - ensure all business and multifamily properties have access and ability to easily recycle. - Low-hanging fruit. 	-	-
C-3.2 Expand access to special item recycling services (i.e. Styrofoam and bags)	<ul style="list-style-type: none"> - Support for this action. 	<ul style="list-style-type: none"> - How can we get businesses to work toward all recyclable items? Different types of plastic bags recyclable different places. - No recycling option for incandescent bulbs. 	<ul style="list-style-type: none"> - Look at ways to partner with Ridwell. - Consider ways provide more access, i.e., program scholarships, discounted rates.
C-3.3 Ensure equitable access to recycling education through multi-lingual campaigns.	<ul style="list-style-type: none"> - Suggestion to do outreach based on what's in actual bins, a pseudo "Trash Police". 	<ul style="list-style-type: none"> - Recycling education can be confusing - it is a big ask for people to find out what to do with every little item. - Need to make the recycling process simpler – people are overwhelmed by where to take it all. 	-
C-3.4 Support legislation for extended producer responsibility systems.	<ul style="list-style-type: none"> - Support Container deposit programs. Benefits low-income residents and seem to work well. 	-	
C-3.5 Require adequate space for recycling receptacles for all new buildings.	-	-	-
C-3.6 Ensure all City facilities have recycling and/or composting containers for employees/public use.		-	-

What's missing?

General Feedback:

- Concern for new packaging types that aren't recyclable locally.
- Does Shoreline have a Styrofoam ban? Take out is bigger than ever before and creates a lot of packaging waste.

APPENDIX

Below are screenshots from MURAL for each set of questions, showing the raw notes that facilitators took during breakout rooms.

Breakout Room 2 - Gretchen

Discussion Summary



- general support for all actions
- any requirement that has a financial implication needs to come with financial support to address equity considerations
- support for community solar with - not putting burden on people at financial disadvantage to get the information - make sure it is presented to them

Action Support

- How supportive are you of these actions?

Concerns

- Do you have any changes you'd like to make to this action or any concerns about these actions that you'd like to flag?

Equity

- Looking at this action, are there groups of people that would be most burdened or benefited by this action?

Gap Analysis

- Are there crucial strategies or actions missing and/or do you have new ideas for actions not currently reflected in this action list?

Focus Area: Buildings & Energy

Goal B-1: Electrify space and water heating for all buildings by 2030

B-1.1 Provide incentives for all electric heating systems	B-1.2 Provide incentives for all electric heating systems	B-1.3 Provide incentives for all electric heating systems	B-1.4 Provide incentives for all electric heating systems
B-1.5 Provide incentives for all electric heating systems	B-1.6 Provide incentives for all electric heating systems	B-1.7 Provide incentives for all electric heating systems	B-1.8 Provide incentives for all electric heating systems

Goal B-2: Increase energy efficiency of new and existing buildings

B-2.1 Adopt local codes for energy efficiency	B-2.2 Adopt local codes for energy efficiency	B-2.3 Adopt local codes for energy efficiency	B-2.4 Adopt local codes for energy efficiency
B-2.5 Adopt local codes for energy efficiency	B-2.6 Adopt local codes for energy efficiency	B-2.7 Adopt local codes for energy efficiency	B-2.8 Adopt local codes for energy efficiency

Support?	Concerns?	Equity?
1.0	2.0	3.0

What's Missing & New Actions

Breakout Room 1 - Cameron



Discussion Summary

- Focus on food rescue from hot food counters at grocery stores
- Requiring building recycling or composting of businesses is low hanging fruit
- Increase access and ease of special item recycling
- Need drop off stations for MF compost need to address take out containers

Action Support

- How supportive are you of these actions?

Concerns

- Do you have any changes you'd like to make to this action or any concerns about these actions that you'd like to flag?

Equity

- Looking at this action, are there groups of people that would be most burdened or benefited by this action?

Gap Analysis

- Are there crucial strategies or actions missing and/or do you have new ideas for actions not currently reflected in this action list?

Focus Area: Consumption & Waste

Goal C-1: Reduce per capita waste generation, especially food waste.

C-1.1 Provide waste reduction programs with focus on food waste prevention	C-1.2 Implement key strategies from the County's Re-plan	C-1.3 Enhance local food rescue and donation networks
C-1.4 Expand the County's Waste Management Services	C-1.5 Reduce education on how carbon footprints and food waste prevention	C-1.6 Adopt a decarbonization plan to reduce waste from demolition
C-1.7 Identify waste reduction and reuse/repair opportunities in City operations	C-1.8 Provide food banking and waste reduction and separate procurement practices	

Goal C-2: Increase composting rate and expand access to compost services

C-2.1 Require/encourage composting for contractors	C-2.2 Provide community drop-off locations for food waste	C-2.3 Pilot small-scale anaerobic digestion facilities
C-2.4 Provide education on composting for residents and businesses	C-2.5 Require adequate space for recycling receptacles for all new buildings	C-2.6 Require adequate space for compost containers in new buildings

Goal C-3: Increase recycling rate and expand access to recycling services

C-3.1 Require recycling services at all businesses and residential properties	C-3.2 Require expanded producer responsibility systems	C-3.3 Require adequate space for recycling receptacles for all new buildings
C-3.4 Require expanded producer responsibility systems	C-3.5 Require adequate space for recycling receptacles for all new buildings	C-3.6 Require expanded producer responsibility systems

Support?	Concerns?	Equity?
1.0	2.0	3.0

What's Missing & New Actions

Focus Area: Buildings & Energy

Goal B-3: Increase renewable energy generation and access

B-3.1 Provide incentives for renewable energy projects	B-3.2 Provide incentives for renewable energy projects	B-3.3 Provide incentives for renewable energy projects
B-3.4 Provide incentives for renewable energy projects	B-3.5 Provide incentives for renewable energy projects	B-3.6 Provide incentives for renewable energy projects

Goal B-4: Support Affordable, Green Buildings that Conserve Water and Protect Habitat

B-4.1 Support affordable green buildings	B-4.2 Support affordable green buildings	B-4.3 Support affordable green buildings	B-4.4 Support affordable green buildings
B-4.5 Support affordable green buildings	B-4.6 Support affordable green buildings	B-4.7 Support affordable green buildings	B-4.8 Support affordable green buildings

Support?	Concerns?	Equity?
1.0	2.0	3.0

What's Missing & New Actions

