

Redmond Environmental Sustainability Plan

Stakeholder Workshop #1 Outreach Summary | December 2019

Overview

This document summarizes activities and outcomes from the first stakeholder workshop for the Environmental Sustainability Plan update. This was an initial **Redmond Stakeholder Workshop** for select representatives from sectors such as land use and transportation, natural systems and water, advocacy and equity groups, business communities, education, youth, and residents (i.e., stakeholders).

Key objectives in the first stakeholder workshop were:

- **Inform** stakeholders about environmental stewardship in Redmond and the planning process.
- **Gather input** on the stakeholders' vision, values, motivators, perceptions, and priorities regarding environmental sustainability in Redmond.

This document begins with an overarching summary of all input, followed by a breakdown of key activities and outcomes from each workshop activity. Detailed outcomes are included as appendices.

Overarching Summary

Key takeaways from the workshop include:

- A desire for **healthy, affordable, equitable, and thriving** Redmond.
- Need to **define costs**—how do we account for costs beyond money or resources, such as environmental protection or health of the community.
- There are **many tradeoffs** that are complex and have varying levels of impact.
- Redmond should be **a leader in sustainability** while balancing the need for an affordable, thriving city.

Participants are eager to define cost, criteria, and goals and move toward action that will create a **sustainable community for all**.

Event Details

Date: Tuesday, November 19 from 4:00 – 6:00 PM |

Location: Marymoor Community Center

Attendees: 25 invited stakeholders (select representatives from the land use and transportation, natural systems and water, advocacy and equity groups, business communities, education, youth, and residents). A full list of attendees is provided in Appendix A.

Objectives: The initial Stakeholder Workshop provided an opportunity for key stakeholders to hear about the Redmond Environmental Sustainability Plan and provide input on sustainability practices in Redmond.

Stakeholders will convene two more times after this initial meeting to discuss strategy development and prioritization. Over this time period, participants will:

- Provide input on goals, priorities, and strategies.
- Share information about the plan, process, and opportunities to involve constituents, employees, and networks.

Objectives of this initial workshop were to:

- **Understand plan objectives, development process, and purpose of the stakeholder group** in relation to the Redmond Environmental Sustainability Plan and its progress to date.
- **Identify** sustainability goals, priorities, and barriers to actions.
- **Brainstorm** an initial list of strategies.
- **Agree** on a list of criteria for prioritizing actions.
- **Develop shared values and build relationships** that support future partnership and collaboration between stakeholders.
- **Build shared understanding** of what other participants are doing.

Agenda/Activities: To meet these objectives, the workshop included the following agenda items and activities:

- **Group Brainstorm: What Else is Redmond Already Doing?** Attendees were asked to brainstorm and think about the different initiatives that Redmond is taking to address environmental issues.

PARTICIPATING ORGANIZATIONS

Sound Transit*
Cascade Water Alliance*
Sustainable Redmond
People for Climate
Action- Redmond
Natural and Built
Environment
King County Housing
Authority *
Prototron Circuits
Post Doc Brewery*
Nelson Legacy Group
Waste Management*
PTSA Sustainability Chair -
Redmond High School
Old Firehouse Teen
Center/RYPAC
Sustainability
Ambassadors
PTSA Sustainability Chair -
Wilder Elementary
Hopelink
Planning Commissioner
Parks and Trail
Commissioner
Redmond Library*
LWSD Transportation *
Nussbaum Group*
Pedestrian Bicycle
Advisory Committee
Pedestrian Bicycle
Advisory Committee &
Food Systems
One Redmond

*Accepted
invitation/interested but
unable to attend

- **Individual Exercise: Sustainability Visioning and Priorities:** Attendees discussed their vision of Redmond and what steps should be taken in order to achieve this vision.
- **SWOT Analysis:** Attendees participated in online polling to gauge perceived strengths, weaknesses, opportunities, and threats of Redmond's environmental stewardship.
- **Actions Ideation:** Attendees assembled into small groups to identify possible actions that would help meet the vision they described in the individual exercise. Each group member provided ideas for their own vision, as well as those of their group mates.
- **Next Steps and Reflections:** Attendees discussed as a larger group how they would like to work together.

Outcome Summary: The workshop revealed the following key themes and findings. More detailed outcomes are provided in Appendix A.

Sustainability in Redmond—What's happening now

Before discussing the vision for Redmond's future, participants brainstormed on activities, organizations, and programs that are currently addressing sustainability in the Redmond community:

- Green Redmond
- Stormwater management and salmon-safe projects
- Trash separation at schools
- K4C
- Reducing food waste and food donations
- Partner with the KC conservation district
- Food plus compostable
- Bike to work day, and tracking
- HOA volunteer contribution and invasive plant removal
- Green city initiative
- Golf course
- Rapid line B line
- Light rail coming
- Waste education parties
- Wildlife protection program
- Redmond recycle
- Farmland and reclaimed water use
- Grey water
- Website tools that tell you where to dispose
- Microsoft waste programs
- Considering district energy in the past
- Microsoft is doing direct energy purchases
- Encourage solar installations
- Central connected trail through downtown
- Bikes
- Microsoft has zero waste, vanpools, etc.
- Green building certifications?

- Local Improvement Districts
- LED streetlight replacements
- KC waste days
- Inclusionary housing, affordable housing progress
- Tension between affordability and additional regulation--has to be sustainable long-term
- Maintain housing density and preserve natural areas
- Balance between livability, working ability in downtown Redmond, and short commute times
- EV charging station infrastructure
- Electric bike charging

Stakeholder's Future Vision for the Redmond's Environmental Sustainability Plan

Participants shared the changes they'd like to see in Redmond that should be added to the Environmental Sustainability Action Plan:

- Stakeholders suggested ideas that highlighted protecting the natural landscapes, walkability, electric vehicles infrastructure, carbon-neutral goals, education, and equity.
- Sustainability: many stakeholders recommended goals relating to greenhouse gas reductions and actions to achieve carbon neutrality.
- Energy Goals: stakeholders suggested making new buildings net-zero and requiring LEED Gold.
- Mobility and Land Use: several participants highlighted making Redmond walkable and fostering high-density retail downtown to encourage foot traffic. Stakeholders also want to see more electric vehicle charging stations.
- Natural System: several participants emphasized the need for tree canopies to increase, an informed Parks and Recreation staff, and protection of species.
- Waste Management: many participants emphasized the importance of waste management and implementing the following practices: recycling, composting, and aiming for zero waste.
- Leadership: participants want strong leadership on environmental stewardship through legislation and line item budget for environmental initiatives.
- Equity: many highlighted their concern for the lack of equity in sustainability initiatives.
- Education: Involving the younger generation to learn about environmental issues, engaging residents to learn more about the City goals, and providing resources such as mobile applications to share knowledge.
- In general, many of the goals and actions that participants have recommended were already being implemented or related to current initiatives on the Redmond Environmental Sustainability Plan.

Priorities & Future Vision

Stakeholders shared what motivates their commitment to sustainability and their vision for a more sustainable future. Their motivations and vision generally aligned with one (or more) of eight themes:

- Community
- Climate change
- Thriving economy
- Sustainable buildings
- Transportation
- Natural systems
- Education
- Waste management

"Actionable items that all residents and businesses can participate in."

-Stakeholder Workshop Participant

Key stakeholder **priorities** included:

- Natural ecosystem health and water quality
- Greenhouse gas emissions
- Recycling and composting
- Energy efficient buildings
- Alternative transportation modes
- Renewable Energy Sources
- Resiliency to climate change impacts

Attendees expressed desire to **work toward a future** with the following characteristics:

- Low-carbon or carbon-neutral
- Resource-efficient and zero-waste
- Thriving economy
- Healthy communities
- Walkable
- Equitable
- Affordable
- Vibrant

After participants discussed in groups, they shared their **ideas for needed actions** to achieve their visions:

- Require energy audits
- PSE energy assessments
- Pilot/demonstration projects along with increased education and outreach
- Energy audits at point of sale
- Example cities that meet the goals Redmond wants to achieve
- Get the schools more involved
- Actionable and scalable plans, consistency in what is being asked of businesses
- Prepare for major change (light rail is coming)
- Constrained urban growth areas, make sure actions take this into account
- Long-term planning with infrastructure included---dedicate budget to each action
- Data-driven decision-making, understand the landscape before making a decision
- Everything has a cost; that shouldn't be a reason for not acting and creating the best future

Strengths, Weaknesses, Opportunities, and Threats (SWOT) Analysis

Participants were asked to participate in identifying the strengths, weaknesses, opportunities, and threats that characterize Redmond's unique contexts and ability to achieve its sustainability goals. Six questions guided this activity:

- | | |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Strengths (Assets & Resources)</p> | <ul style="list-style-type: none">• What are some areas where you think Redmond has made great progress?• What are some of the City's attributes that allow for progress to be made? |
| <p>Opportunities</p> | <ul style="list-style-type: none">• What could we do to exploit our advantages?• What weaknesses does Redmond have relative to other cities trying to advance sustainability?• What attributes have made or will make progress towards sustainability challenging? |
| <p>Weaknesses (Limitations, restrictions, and challenges)</p> | |
| <p>Threats</p> | <ul style="list-style-type: none">• What could negatively impact our progress? |

Many of the **identified strengths and opportunities** aligned with what participants shared in the visioning activity:

- community awareness
- multi-modal projects and infrastructure
- a supportive city council

Many of the identified **weaknesses** and **threats** were conditions that participants would like to change in their future vision of Redmond:

- Weaknesses:
 - High traffic volumes and/or high drive alone rate
 - analysis paralysis (or action paralysis)
 - resistance to change
 - level of community knowledge for environmental sustainability practices is varied
- Threats:
 - unchecked development sprawl
 - uncertainty of climate impacts
 - environmental degradation
 - rapid population growth

The full results of the SWOT analysis are available in Table 2 of Appendix A.

What Elements Belong in the Redmond Sustainability Plan

Attendees responded to six online polling questions:

- Participants shared words or ideas for what the ideal Redmond would look like in the future. Key terms included **community, equity, walkable, composting, net zero, trees, and affordable.**
- **The majority (83.3%) participants have heard of at least one or more of Redmond's environmental activities.** Only 4 (17.7%) participants have not heard about these activities.
- **Over half the participants (59%) want the Redmond community to be very invested** in being a national leader in sustainability action, no matter the cost.
- Participants selected **top two sustainability issues** that should be prioritized in the plan: **natural ecosystem health and water quality, and greenhouse gas emissions.** Closely following behind were recycling and composting and energy-efficient buildings.
- Participants noted that the three criteria to prioritize are: **impact, feasibility, and co-benefits.**

Appendix A. Detailed Outcomes from Redmond Stakeholder Workshop

List of Attendees

- Tom Hinman, Sustainable Redmond
- Nancy Shimeall, People for Climate Action- Redmond
- Angela Rozmyn, Natural and Built Environment
- Elizabeth Christian, PTSA Sustainability Chair - Redmond High School
- Kai Schwartz, Old Firehouse Teen Center/RYPAC
- Peter Donaldson, Sustainability Ambassadors
- Amrit Bhuie, PTSA Sustainability Chair - Wilder Elementary
- Nicola Salarpi, Hopelink
- Aparna Varadharajan, Planning Commissioner
- Susan Robertson, Parks and Trail Commissioner
- Julie M. Calligaro, Resident
- Steve Thompson, Resident
- Monica Catunda, Resident
- Jennifer Beyer, Resident
- Paul Stull, Resident
- David Morton, Resident
- Gary Smith, Resident
- Robert Oikawa, Pedestrian Bicycle Advisory Committee & Food Systems
- Clarke Jewell, One Redmond
- Sid Shende, RYPAC
- Jim Stanton, Microsoft
- Eric Campbell, Main Street Property Group
- Mark Hoyt, Trammel Crow Residential
- Joe Skewis, Prototron Circuits
- Amy Webber, Nelson Legacy Group

Actions and Priorities

Table 1. Themes and comments from, "What actions and priorities do you have for Redmond to achieve the future vision discussed in the workshop?"

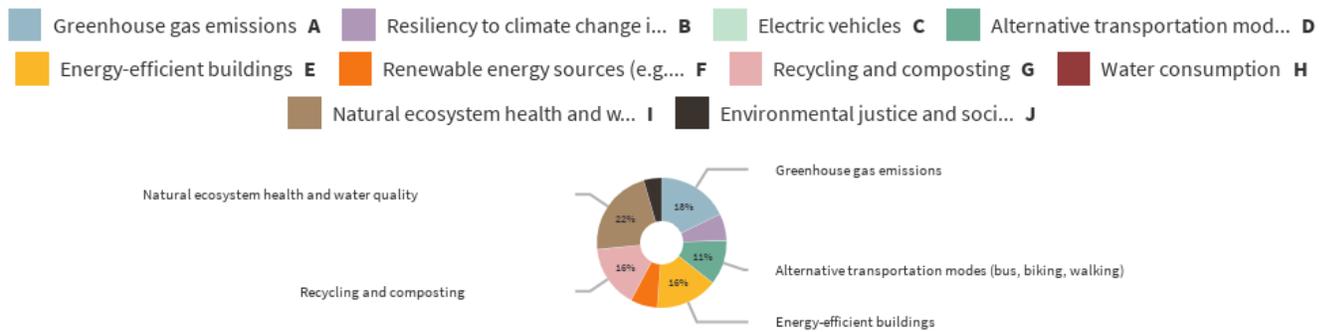
Climate Change	<ul style="list-style-type: none"> • Support behavior through simple actions. • Involve residents and businesses through education. • Foster leadership to meet carbon emission goals.
Transportation	<ul style="list-style-type: none"> • Decrease cars; multi modal. • Make development in downtown denser to encourage walking. • Electrification of transportation sector. Install vehicle charging units through the City.
Sustainable Buildings	<ul style="list-style-type: none"> • Require all new buildings to be LEED certified and net-zero. • Implement comprehensive plan and zoning updates to foster sustainability development. • Provide energy audits to buildings to identify retrofit opportunities.
Equity	<ul style="list-style-type: none"> • Equity was mentioned many times through the comments and activities; however, specific actions were not listed on how to achieve equity.
Education	<ul style="list-style-type: none"> • Connect schools with the clean energy program provided by Bonneville Power Administration. • Educate public to create shared vision and engagement and the current city goals. • Establish a day of celebration where the City highlights environmental initiatives. • Fund grassroots education organizations. • Offer education on identifying native species. • Provide schools with resources about sustainability and the environment.
Waste Management	<ul style="list-style-type: none"> • Strive for zero-waste goals for the City. • Achieve 100% recycling rate. • Implement large scale compost systems and infrastructure. • Reduce food waste across the community.
Natural Systems	<ul style="list-style-type: none"> • Creation working groups to collect information about local species. • Eliminate evasive species. • Protect park lands. • Increase tree canopy.

Table 2. Comments from the Strength Weaknesses Opportunities Threats (SWOT) analysis activity.

<p style="text-align: center;">Strengths</p> <ul style="list-style-type: none"> • City has funding • Sammamish River Trail • Protected park land and open space • Jobs: population ratio • Good employment • Multi-cultural, diverse • Climate action plan listed • Marymoor Park • Education potential • Town center/ density • Light rail coming • Developing at a time where much is known about the balance between growth and sustainability • Compact • Bike friendly • Climate legislation at state level supporting green initiatives • Supportive city council • Forward thinking; educated • Educated residents • Community awareness 	<p style="text-align: center;">Weaknesses</p> <ul style="list-style-type: none"> • Old housing stock • Students drive to school • Zoning model and HOA is old style • Climate equity • Everyone commutes • Can't afford to live in the City • Residents not engaged • Actionable and scalable plans • Note enough corporate engagement • Level of environmental knowledge is limited • Presentation of information by the City • Last mile transit • Short term thinking • Traffic • Resistance to change • Discussion can lead to analysis paralysis • Commitments to sustainability but not actually implemented • More conservative-leaning than other cities
<p style="text-align: center;">Opportunities</p> <ul style="list-style-type: none"> • Support City's business efforts • Improve public health • Develop national leadership on environmental sustainability • Work with high performing companies in the area • E-bike infrastructure • Affordable housing density • PTA sustainability chair • Partnering with neighbor cities and alignment with regional activities • STEM education • Upcoming light rail expansion • Connect housing with business/office construction • Engage residents to leverage knowledge 	<p style="text-align: center;">Threats</p> <ul style="list-style-type: none"> • Unchecked development sprawl • Special interest favoring developers like trees • Impact mitigation • Uncertainty of climate impacts • Siloed City standards • Lack of consensus on climate change • Lack of parking • Salmon population decline/ climate change • Loss of trees and environmental degradation of animals • Cost to implement • Suburban standards • Way of life • Admin costs • Code restraints • NIMBY • Resistance to change • Rapid population growth • Upcoming election growth – could shift political support or divert attention from sustainability

Polling Question 3:

What top two areas do you think the Redmond Environmental Sustainability Action Plan should focus on?

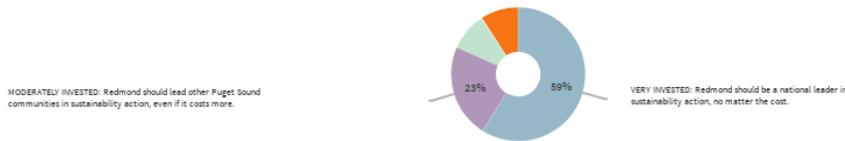


The top two areas participants selected were natural ecosystem health and water quality (22%) and greenhouse gas emissions (18%). Not recorded in the pie chart above are renewable resources (7%) and environmental justice and social equity (4%).

Polling Question 4:

How invested should the Redmond community be in pursuing your top priority environmental sustainability actions?

- A** VERY INVESTED: Redmond should be a national leader in sustainability action, no matter the cost.
- B** MODERATELY INVESTED: Redmond should lead other Puget Sound communities in sustainability action, even if it costs more.
- C** NEUTRAL: Redmond should be consistent with other communities in sustainability action.
- D** NOT VERY INVESTED: Redmond should focus on other priorities.
- E** NOT AT ALL INVESTED: Redmond should focus on other priorities.
- F** I'M NOT SURE / need more information.

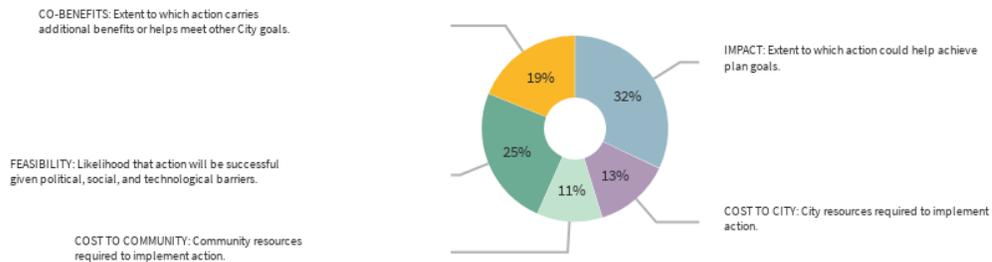


Participants indicated that Redmond should be very invested (59%) in the top priority environmental sustainability actions. Not recorded in the pie chart above are participants who are unsure (9%) or neutral (9%).

Polling Question 5:

Which three criteria would you choose to prioritize actions for the plan?

- A** IMPACT: Extent to which action could help achieve plan goals.
- B** COST TO CITY: City resources required to implement action.
- C** COST TO COMMUNITY: Community resources required to implement action.
- D** FEASIBILITY: Likelihood that action will be successful given political, social, and technological barriers.
- E** CO-BENEFITS: Extent to which action carries additional benefits or helps meet other City goals.



Participants selected impact (32%), feasibility (25%), and co-benefits (19%) as the top three criteria to prioritize action for the plan.

Redmond Environmental Sustainability Action Plan

Stakeholder Workshop #2 Summary | February 10, 2020

Overview

This document summarizes the activities and outcomes from the second City stakeholder workshop for the Redmond Environmental Sustainability Action Plan update. Participants included residents, students, and many other representatives interested or working in sectors relevant to the six focus areas: climate change, transportation and land use, materials management, water management, natural systems, and buildings and energy. Additionally, there were select representatives from the City of Redmond as well as a representative from Greene Economics that helped serve as notetakers and facilitators.

Focus Area	Notetaker
Climate change	Sarrynna Sou (Cascadia)
Transportation & land use	Miguela Marzolf (Cascadia)
Building & energy	Nick Entinger (Redmond) Angie Venturato (Redmond)
Materials management & waste	Mike Chang (Cascadia)
Natural systems	Aila Macri (Redmond)
Water management	Jessica Atlakson (Redmond)

Key objectives in the second City staff workshop were as follows:

- **Review the preliminary list of goals, strategies, and actions** for incorporation into the Environmental Sustainability Action Plan.
- **Conduct an initial screening and prioritization** of actions to inform development of a shortlist.

Agenda/Activities: To meet these objectives, the workshop included the following agenda items and activities:

- **Welcome and Introductions:** Attendees were asked to introduce themselves and their affiliations.
- **Background and Progress To-Date:** We began with a brief polling exercise to get general background information on the attendees (see **Poll Everywhere**). Participants were then provided a PowerPoint presentation with a brief overview on the plan, relevant updates, and a quick discussion on the audience’s perspective on Redmond as a leader in sustainability actions. The second part of the presentation gave an overview of the sustainability inventory, the multicriteria analysis, and transitioned into action development.
- **Focus Area Exercise: Action Review:** Each table group read through the entire list of actions once together, to gain a high-level picture of the proposed strategies and actions and jot down any initial reactions to the following questions:
 - Do any actions NOT make sense to you? What needs to be changed or clarified?
 - Which actions are most needed and/or represent a promising opportunity for Redmond?
 - Do any of the actions concern you? What are your concerns, and what may be some ways to address them?
- **Quick Action Prioritization:** Attendees participated in a prioritization sticker exercise to indicate which actions they believe must be included, which actions they felt most comfortable leaving out,

and actions they supported in focus areas they were not assigned to. Once completed, each focus area group gave a brief report of the outcomes of their sticker exercise.

- **Next Steps, Overview; Feedback Survey and Adjourn:** Attendees participated in a final polling exercise to gain feedback on new topics and actions identified during the workshop. Feedback surveys were distributed and completed by all attendees.
- **Toolkit Training:** After the workshop, those who were interested received a brief training on how to engage the general public through the ESAP planning process. Attendees were given an engagement toolkit packet along with copies of ESAP factsheets and postcards to share at upcoming community events, neighbors, friends, and other gatherings.

List of Attendees and Focus Area Assignments

- Jennifer Beyer—**Climate Resilience**
- Peter Donaldson —**Climate Resilience**
- Nancy Shimeall—**Climate Resilience**
- Gary Smith—**Climate Change**
- Paul Stull—**Climate Change**
- Devesni Thakur —**Climate Change**

- Zack Benzadni —**Transportation and Land Use**
- Eric Campbell —**Transportation and Land Use**
- Denis Martynowych—**Transportation and Land Use**

- David Hoffman—**Buildings and Energy**
- Joe Skewis – **Buildings and Energy**
- Jackie Thompson – **Buildings and Energy**
- Aparna Varadharajan—**Buildings and Energy**
- Amy Webber—**Buildings and Energy**

- Julie Calligaro —**Materials Management and Waste**
- David Morton—**Materials Management and Waste**
- Madeline Schroeder —**Materials Management and Waste**

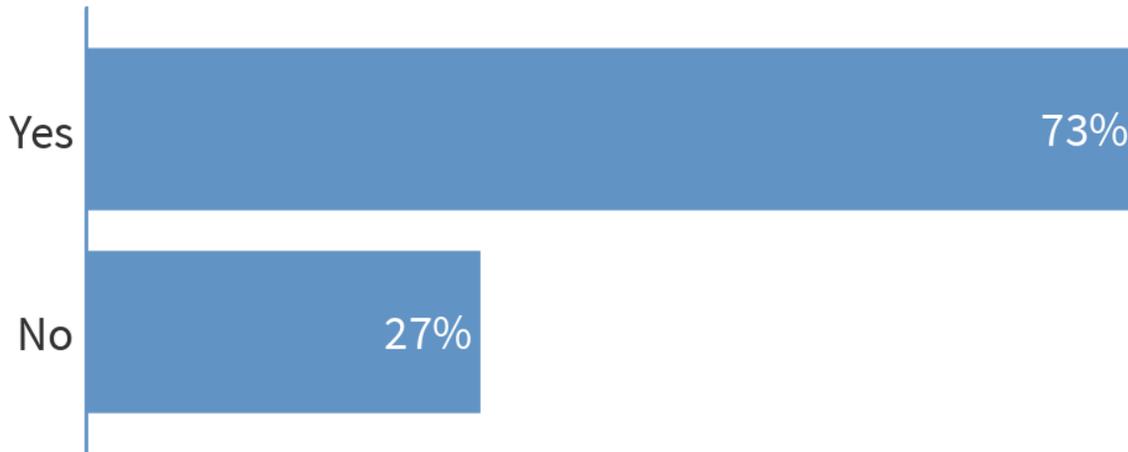
- Mike Brent —**Natural Systems/Water Management**
- Monica Catunda —**Natural Systems/Water Management**

Poll Everywhere

Attendees participated in the following polling exercises:

Question 1:

Were you at the last stakeholder workshop?



The majority (73%) of participants had attended the previous stakeholder workshop. (n=11)

Question 2:

What sustainability action, program, or topic are you most excited about for Redmond?



For this question, participants chose words or phrases to demonstrate their priority and interest regarding current sustainability actions, programs, and topics. As the word cloud indicates, interests include the energy, GHG reduction, waste, transportation, and resource management and protection.

Quick Action Prioritization

Each participant was given five green stickers, three red stickers, and access to blue stickers. On plotter poster versions of the action lists, participants did the following:

- Using the *green stickers*, participants indicated the five actions that they thought **MUST** be in the final list of actions no matter what’s in the “Sticker” column.
- Using the *red stickers*, participants indicated the three actions that they would be most comfortable leaving out. They indicated their justification for removal in the “Sticker Rationale” column of the plotter paper.
- Using the *blue stickers*, participants indicated actions they supported in a focus area other the one they were a part of during the workshop.

Actions with Green Stickers

Focus Area	Action	Number of Green Stickers
Climate Change	C1.1.5 Participate in regional efforts that increase Redmond's capacity to respond to climate change impacts to City-run utility services, such as the Puget Sound Regional Emergency Preparedness Collaborative.	2
	C1.2.34 Build city buildings and infrastructure to be resilient to climate change (e.g. bridges, culverts, stormwater facilities, groundwater) through best management practices and design standards.	1
	C2.1.21 Commit to climate policy through an equity lens. Reassess current City programs to evaluate and state equity goals in the face of climate change and sustainability issues.	2
	C2.1.11 Ensure access to high speed internet across the City.	1
	C2.2.7 Evaluate and respond to impacts in critical areas due to larger storms and warmer, drier summer weather (steep slopes, wetlands, upland riparian areas, upland restoration areas, instream habitat).	1
	C2.3.10 Identify and build up infrastructure of neighborhood resilience hubs, such as "corner stores," to sustain neighborhoods in the event of an emergency.	1
	C2.3.99 Ensure all City plans (e.g., Comprehensive Plan, Emergency Management Plan) account for vulnerable populations and communities.	1
	C3.3.22 Continue to benchmark, report, and regularly monitor community and municipal GHG emissions. Consider building a public-facing dashboard that includes information on Redmond's GHG emissions and personal carbon footprints.	1
	C4.1.29 Assess online tools that allow residents to view and share greenhouse gas emissions data to inform and influence their choices. Determine how this could be offered.	1
	C4.1.30 Develop and require all new buildings over a size threshold and major infrastructure projects to undergo a climate change impact assessment as part of the regulatory planning process.	2
	C4.2.26 Support an educational agenda for K-12 schools on environmental stewardship.	3
C4.3.27 Provide educational resources and opportunities to help residents become aware of and engage in implementation of the Redmond Climate Action Implementation Plan and sustainability initiatives.	2	

Focus Area	Action	Number of Green Stickers
Transportation and Land Use	T1.1.1 Offer incentives and education to encourage active transportation in Overlake given the opening of two ped-bike bridges connecting the SR 520 trail to transit and economic centers and several City ped-bike improvements in the area (40th St trail undercrossing, 31st St improvements, 51st St improvements, 40th St multiuse trail).	2
	T1.1.9 Establish partnerships and develop joint projects with King County Public Health, K4C, and other agencies to promote active transportation and improve public health outcomes through transportation improvements and services.	1
	T1.4.23 Provide free fares for youth riding transit, provided by the City.	3
	T1.6.43 Diversify housing opportunities: AOU, duplexes, 4+8 unit apartments/ condos in single family zones to promote higher density housing/commercial development.	1
	T1.6.99 Build density requirements to achieve density goals by loosely classifying zones into three zones: urban, peri-urban, and rural.	1
Materials Management and Waste	M1.1.3 Require compostable and paper disposables in restaurants and stores.	1
	M1.2.5 Support a food donation program for grocery stores to send surplus food.	2
	M1.2.7 Require all businesses, multifamily properties, City facilities, and schools in Redmond to participate in the Food Scraps Collection Program.	3
	M1.4.14 Support state and local development of end-use markets for recyclable/ recycled products and compost through city county purchasing policies.	1
	M1.6.24 Explore local and regional examples of communities who have mandated recycling and composting in multi-family and commercial buildings. Then do community outreach in Redmond to develop a right sized program and integrate findings.	1
	M1.8.30 Work with multifamily developers, owners and residents to develop requirements for new construction to provide sufficient space for recycling and food waste collection, along with garbage. Do the same with commercial buildings. Leverage code language from other cities who have implemented this change.	1
	M2.1.40 Provide zero waste building planning assistance.	1
	M2.1.32 Build community outreach and education plans around proper waste reduction, recycling, composting.	1
	M2.1.42 Continue to integrate "toward zero waste" principles into outreach and education materials in multiple languages.	1
Water Management	W1.2.2 Evaluate risks to water availability due to changes in precipitation patterns (more frequent drought conditions, high precipitation events low recharge).	1
	W3.1.4 Expand sub-metering and evaluate smart water meter technologies.	2
	W4.3.31 Provide storm water quality treatment to 100 percent of City right-of-way.	2
	W3.4.7 Create more rain gardens.	3
Natural Systems	N1.1.40 Increase preservation of open spaces, forests, parks, and agriculture, such as through improved land use policy or the use of a Transfer of Development Rights (TDR) program.	1
	N1.2.8 Host more native vegetation planting parties in collaboration with schools.	2

Focus Area	Action	Number of Green Stickers
	N1.3.11 Establish workforce training programs for landscape managers on the installation and care of native plants.	1
	N1.3.12 Hire a person/team at the City to implement the goals and strategies associated with increasing canopy cover across the city and to update the 20 yr plan. This team/person can be the lead on finding community partners and funding to increase community outreach, adoption of policies/goals and education.	3
	N1.3.18 Work at the site scale to address causes of degradation such as excessive flows prior to conducting direct habitat restoration.	1
	N1.4.22 Design and install side channels that can be used by fish for foraging and for refuge during storm events.	1
	N1.7.36 Reduce grass lawns and convert to native and drought-resistant plant communities or community gardens.	3
	N2.2.47 Update priority habitat corridors for preserving and enhancing critical habitat for wildlife and incorporate into departmental plans and codes such as critical areas.	1
	N3.3.65 Continue to reduce toxic herbicide use by the City and its residents.	3
Buildings and Energy	B1.1.4 Adopt optional International Residential Code (IRC) codes for sustainable residential buildings.	2
	B1.2.11 Develop a Building Tune-Ups Ordinance requiring commercial buildings 50,000 sf or larger to identify low- or no-cost building operations and maintenance improvements.	2
	B1.3.18 Update energy code to expand sub-metering and smart meter technologies.	2
	B1.4.12 Partner with a environmental non-profit to develop a simple cost benefits analysis for businesses and residents to improve their energy efficiency. Demonstrate ROI and business case for energy efficiency projects.	2
	B1.4.13 Work with foundations and banks to develop a low-interest financing mechanism for residents and businesses to complete energy efficiency upgrades and install renewable energy.	2
	B1.4.17 Explore partnerships with Puget Sound Energy’s Industrial System Optimization Program to provide specialized engineering analysis of industrial processes and identification of a set of modifications to improve efficiency.	1
	B1.5.25 Encourage energy audits to help businesses and residents identify opportunities to retrofit and become more energy-efficient.	3
	B1.6.20 Conduct targeted outreach to renters and affordable housing customers for energy efficiency rebate opportunities.	1
	B2.1.31 Introduce a policy to streamline permitting and interconnection processes for energy storage projects.	2
	B2.2.34 Incentivize the installation of on-site renewable energy.	3
	B2.3.40 Provide expedited and free permitting for fuel switching to renewable electricity.	1
	B3.5.50 To ensure long-term sustainability and energy reduction develop performance outcomes for new buildings and require the developer monitor and report outcomes to the City.	2
	B3.6.63 Partner with PSE to implement in Redmond their smart grid technologies meant to improve reliability and management of the grid.	4

Actions with Red Stickers

Focus Area	Action	Number of Red Stickers	Red Sticker Rationale
Climate Change	C2.2.9 Building standards - severe weather	1	Add resistance to fire in order to support.
	C2.2.35 Urban heating and cooling strategies	2	To just “develop a guide” is not strong enough language to impact or define the issue. Why is this important? Impactful?
	C2.3.12 Map My Neighborhood – Emergency Preparedness	1	Already actions here that collect this data via city task force do see extra benefit.
	C2.3.20 Emergency Air Quality Response Team	2	Fees that situation isn’t dire enough to narrate or allocation of that much manpower.
	C3.2.24 Climate consideration policy	3	To just “introduce” or “consider” is not enough; must be strong and “attempt” are not effective.
Transportation and Land Use	T2.2.50 Electric Vehicle, E-Bike, and E-scooter Group Buy Program	3	Not high priority – could be directed to fleet management.
	T2.3.57 Ban ICE vehicles	1	Work on incentives for other modes.
	T2.3.60 Statewide ICE ban	3	Not a high priority- do not waste political capitol.
	T2.4.99 Comprehensive transportation outreach and education	1	(No comment)
Materials Management and Waste	M1.1.1 Cleaning products	1	“low VOC cleaners” don’t belong in “compost” and organics sub-strategy.
	M1.6.23 Incentive based models	1	There are already so many programs, focus on existing waste reduction programs, not add new ones.
	M1.7.25 Landfill expansion	1	People should be reducing waste, reusing, and recycling so much that no more landfill space is needed.
	M1.8.30 New construction waste stream efficiency and opportunity	1	Unsure of how this could be expanded in a high-impact way.
	M2.5.43 Styrofoam policy and engagement	2	Styrofoam can technically be recycled; Other products have a bigger carbon footprint than Styrofoam.
	M5.3.68 CLT buildings	1	Low impact.
	M1.8.30 New construction waste stream efficiency and opportunity	1	Unsure if this could be expanded in a high impact way.
	M2.5.43 Styrofoam policy and engagement		Styrofoam if city doesn’t require fuel switching.
Water Management	W3.2.10 Grey water for irrigation	1	Health considerations.
	W3.3.11 New standards for resilience in water systems	1	Being done regionally.
	W3.4.22 Golf course recycle water	3	Health considerations.
Natural Systems	N1.1.41 Green cemeteries	3	Not well defined.
	N1.7.37 Increase local Agricultural production	1	City of Redmond is GMA urban.
	N3.1.55 Adopt green streets plan	1	Not a community interest.
	N4.1.68 Improve air quality	1	(No comment)
Buildings and Energy	B1.1.5 Requirements for EE above cost/sf threshold	1	(No comment)
	B1.1.29 Solar-ready infrastructure requirements	1	(No comment)
	B1.2.8 Point of sale weatherization	1	(No comment)
	B1.2.9 Rental efficiency Requirements	3	(No comment)
	B1.4.13 Low-interest loans	1	Who proves \$
	B2.3.37 Financial tools/group purchases for renewables	2	\$ from who?

Focus Area	Action	Number of Red Stickers	Red Sticker Rationale
	B2.3.39 Fuel switching contractor training & sales package	5	NO realistic given renewables development timeline, grid needs.
	B2.3.40 Expedited permitting for electrification	1	Superflow if city doesn't require switching fuels.
	B2.1.33 All-electric and PV-ready new construction	3	Unrealistic given timelines to build added power infrastructure.
	B3.3.46 Salmon-Safe UD certification	1	Democratize this.

Actions with Blue Stickers

Focus Area	Action	Number of Blue Stickers
Transportation and Land Use	T1.6.99 Zones for density goals	1
	T1.7.99 Telecommuting and alternative work schedules	1
	T2.3.54 Increase anti-idling campaign	1
	T2.3.57 Ban ICE vehicles	1
Natural Systems	N1.2.8 Planting parties	1
	N1.3.11 Native plant installation	1
	N1.3.12 Urban forestry department/dedicated staff	1
	N1.7.36 Reduce grass lawns	1
	N2.2.46 Drought-tolerant and lawn removal incentives	1
	N5.1.80 Increase number of large statured and heritage trees	1
	N5.1.85 Best practices for tree health and maintenance	1
	N5.1.86 Increased canopy in neighborhoods	1
	N5.1.87 Parcels for a "Tree Bank"	1
N5.1.89 Increase trees in open space park lands	1	
Buildings and Energy		

New Actions Added by Stakeholders

During the action review, each focus area identified new actions to be added and attendees performed the sticker prioritization exercise on the proposed new actions.

Focus Area	Action	Number of Green Stickers	Number of Blue Stickers	Number of Red Stickers
Climate Change	Hiring a sustainability manager	1		
Transportation and Land Use	Add bike/ ped corridor to reduce non-vehicle transportation	1		
	Bike/ ped separation	4		
	Encourage PSE to develop an EV charging electrification plan		1	
	Evaluate EV parking demand versus supply to determine actions moving forward.	2		
	Delivery hubs to reduce vehicle mileage.			
Materials Management and Waste	Investigate options for addressing non-recyclable plastics.	1		
	Lawn/ Left blower electrification and exchange program. 1 G			
Water Management	Implement Integrated pest management on city property.			
	Revise City codes to promote greater water efficiency related to irrigation.	2		

Buildings and Energy	Outreach on next generation nuclear	2	1
	Facility management benchmarking: Facility management reporting and optimization	2	
	School programs: Outreach and socialization through school student groups	2	
	Explore CAA model to transition from PSE.	3	
	Provide incentives for commercial buildings to conduct ongoing facility management and optimization.	2	
	Pilot programs- Test pilot programs in neighborhoods or HOA's	2	

Post-Workshop Survey Results

The workshop concluded with a feedback survey that was given to each attendee to garner feedback about their focus area including their opinions on the current list of actions, primary takeaways from the workshop, and additional partners/stakeholders to consult.

Climate Change

Question	Response	# of Responses
<i>How would you describe current state of your table's list of actions?</i>	The actions list is comprehensive.	0
	The actions list works well for Redmond.	0
	The actions list will be comprehensive and/or work well for Redmond once the group's questions and comments are addressed.	5
	The actions list is far from ready and will need significant work to be comprehensive and/or work for Redmond.	0
<i>If you chose "D" above, please elaborate.</i>	<ul style="list-style-type: none"> N/A 	
<i>What is your primary takeaway from the workshop?</i>	<ul style="list-style-type: none"> Data and scientific-based impacts are needed to make process effective. Language is vague. Partnerships will be key. Good outreach to community, except businesses. Many actions overlap categories; partnerships are/will be key. Great to be honored with the responsibility to give input. We need data and scientific based impacts projected in order to really make this process effective. Language in our items is vague and low impact ("consider," "attempt," etc.). Learning from peers is helpful (borrowing sub-strategies from other cities). 	
<i>Who else from the community should be consulted about these potential strategies and actions?</i>	<ul style="list-style-type: none"> Experts Marginalized communities Low income Tribal members Redmon High school Business Businesses Underrepresented groups Experts Marginalized citizens 	
<i>What do you hope happens next regarding the Environmental Sustainability Action Plan?</i>	<ul style="list-style-type: none"> More time. Redmond can and must lead the region. Quick action on hiring environmental sustainability manager. More detail/definitions for unclear language/terms (e.g. urban heating, urban cooling), stronger, less vague language. We need it filled in with impacts and data basis for assumptions in projected GHG chart. More fine tuning, but really nice! 	

<p><i>Do you have any other thoughts or comments to share?</i></p>	<ul style="list-style-type: none">• Thank you- powerful workshop• More detailed actions and definitions• Bring in Drawdown and make these actions relevant to Redmond• Thank you.• Possibly include thoughts/discussion about climate solutions from drawdown that may be relevant to City of Redmond/region.• Retiring coal plants are going to be replaced by PSE’s gas plans (“natural” is fracked) and their fossil fuel sources for energy will continue to be 60% of their energy mix. LNG tank, north lateral pipeline, larger I-5 corridor pipeline, etc.
--------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Transportation and Land Use

Question	Response	# of Responses
<p><i>How would you describe current state of your table's list of actions?</i></p>	<p>The actions list is comprehensive.</p>	<p>1</p>
	<p>The actions list works well for Redmond.</p>	<p>1</p>
	<p>The actions list will be comprehensive and/or work well for Redmond once the group's questions and comments are addressed.</p>	<p>2</p>
	<p>The actions list is far from ready and will need significant work to be comprehensive and/or work for Redmond.</p>	<p>0</p>
<p><i>If you chose "D" above, please elaborate.</i></p>	<ul style="list-style-type: none"> • N/A 	
<p><i>What is your primary takeaway from the workshop?</i></p>	<ul style="list-style-type: none"> • Redmond is thinking holistically! • Progress is possible. These meetings have demonstrated that the City is committed to environmental sustainability, so it's reassuring and invigorating, to put it bluntly. • There is a lot of actions; however, data needs to be gathered to make each action more defined. 	
<p><i>Who else from the community should be consulted about these potential strategies and actions?</i></p>	<ul style="list-style-type: none"> • I would reach out to Microsoft, Google, and City of Bellevue about EV research and resources. • More involvement from teens/youth. More involvement from nonprofit orgs (Sustainable Redmond and People for Climate Action). More involvement from private sector. • Make the most of opportunity to partner with Sound Transit. 	
<p><i>What do you hope happens next regarding the Environmental Sustainability Action Plan?</i></p>	<ul style="list-style-type: none"> • Refine into an actionable strategic plan with key performance indicators underpinned and guided by good data. • Demonstration of direct action and lots of stakeholder interaction. • That all actions that are suggested have been stressed tested to ensure that benefits/outcomes outweigh potential costs. 	
<p><i>Do you have any other thoughts or comments to share?</i></p>	<ul style="list-style-type: none"> • I would suggest that more people from the business community be involved in the stakeholder group. • Make sure key staff have a vision/picture of what an equitable, thriving, creative, vibrant net zero carbon Redmond looks like in 2030 and they make a backwards plan to today. 	

Material Management and Waste

Question	Response	# of Responses
<i>How would you describe current state of your table's list of actions?</i>	The actions list is comprehensive.	1
	The actions list works well for Redmond.	1
	The actions list will be comprehensive and/or work well for Redmond once the group's questions and comments are addressed.	3
	The actions list is far from ready and will need significant work to be comprehensive and/or work for Redmond.	0
<i>If you chose "D" above, please elaborate.</i>	•	
<i>What is your primary takeaway from the workshop?</i>	<ul style="list-style-type: none"> • Thanks for the opportunity to provide input. • Lots of good ideas, but significant fine-tuning is needed to reach large impacts. • We need more info to make good decisions/prioritize. Maybe a resource list we could consult prior to the meeting if we have time. 	
<i>Who else from the community should be consulted about these potential strategies and actions?</i>	<ul style="list-style-type: none"> • Rachel Malloy, Howard Harrison. • Waste management and multifamily properties (huge for determining feasibility of programs). • Waste Management and businesses which process waste/recyclables/compost. 	
<i>What do you hope happens next regarding the Environmental Sustainability Action Plan?</i>	<ul style="list-style-type: none"> • Less development of the city. More trees, streams, and fish. • Fine-tuning of chosen initiatives. • Need more specifics. 	
<i>Do you have any other thoughts or comments to share?</i>	<ul style="list-style-type: none"> • Community solar. • Thank you. 	

Water Management/ Natural Systems

Question	Response	# of Responses
<p><i>How would you describe current state of your table's list of actions?</i></p>	<p>The actions list is comprehensive.</p>	<p>1</p>
	<p>The actions list works well for Redmond.</p>	<p>1</p>
	<p>The actions list will be comprehensive and/or work well for Redmond once the group's questions and comments are addressed.</p>	<p>3</p>
	<p>The actions list is far from ready and will need significant work to be comprehensive and/or work for Redmond.</p>	<p>0</p>
<p><i>If you chose "D" above, please elaborate.</i></p>	<ul style="list-style-type: none"> • 	
<p><i>What is your primary takeaway from the workshop?</i></p>	<ul style="list-style-type: none"> • Redmond is ambitious. • Great to see the combined input of the community input and the internal city's feedback. • I learned about the needs of Redmond and met some nice people. 	
<p><i>Who else from the community should be consulted about these potential strategies and actions?</i></p>	<ul style="list-style-type: none"> • More business. • Open houses would be great and surveys. • Businesses in Redmond should be consulted, as well as environmental groups. 	
<p><i>What do you hope happens next regarding the Environmental Sustainability Action Plan?</i></p>	<ul style="list-style-type: none"> • Continue pressing forward • Consolidated and prioritized plan. City's owned items identified. • Engage more in developing the plan with other organizations—businesses, schools, environmental organizations. 	
<p><i>Do you have any other thoughts or comments to share?</i></p>	<ul style="list-style-type: none"> • <u>Loved</u> the opportunity of getting involved. And thank you for all the work that was put into the exercise! • There are several items that involve education, many of these could be done together—for example, water management could be explained at the same time planting parties are going on. 	

Buildings and Energy

Question	Response	# of Responses
<p><i>How would you describe current state of your table's list of actions?</i></p>	<p>The actions list is comprehensive.</p>	<p>0</p>
	<p>The actions list works well for Redmond.</p>	<p>1</p>
	<p>The actions list will be comprehensive and/or work well for Redmond once the group's questions and comments are addressed.</p>	<p>2</p>
	<p>The actions list is far from ready and will need significant work to be comprehensive and/or work for Redmond.</p>	<p>2</p>
<p><i>If you chose "D" above, please elaborate.</i></p>	<ul style="list-style-type: none"> • Our input may mesh with other groups and so is incomplete in scope needs staging. • Need metrics. 	
<p><i>What is your primary takeaway from the workshop?</i></p>	<ul style="list-style-type: none"> • Problem is HUGE – complex – nuanced. • Need a change in philosophy—move from construction to facility management. Work on commercial/corporate standards separately. • A good start but need for measurement metrics and engaging businesses more proactively. • Voluntary policy development is accepted easier than regulatory. 	
<p><i>Who else from the community should be consulted about these potential strategies and actions?</i></p>	<ul style="list-style-type: none"> • H.S. Teachers. • Businesses, institutions, neighborhoods. • Large and small businesses. • Homeowners, developers, businesses (small). 	
<p><i>What do you hope happens next regarding the Environmental Sustainability Action Plan?</i></p>	<ul style="list-style-type: none"> • Draft mission statement with bold plans prioritized. • Please use our feedback to add specific metrics. • Quantify/measurable outcomes and timelines. • More details on charging stations for cars and bikes. 	
<p><i>Do you have any other thoughts or comments to share?</i></p>	<ul style="list-style-type: none"> • This is so fragmented. • Neighborhood based approach for community building/planning for sustainability is key. • Specific actionable statements/goals. Gap analysis to back up goals. Timeline with attainable milestones. Simple and implementable. 	

Redmond Environmental Sustainability Action Plan

Stakeholder Workshop #3 Summary | May 2020

Overview

This document summarizes the activities and outcomes from the third community stakeholder workshop for the Redmond Environmental Sustainability Action Plan. Participants included residents and other representatives interested or working in sectors relevant to the six focus areas: climate change and resilience, transportation and land use, building & energy, materials management & waste, natural systems, and water management. Additionally, there were select representatives from the City of Redmond as well as representatives from the consulting team, including from Cascadia Consulting Group, Greene Economics, and Herrera Environmental Consultants.

Focus Area	What's Included
Climate change and resilience	Opportunities for reducing GHG emissions and building resilience to climate change impacts
Transportation & land use	Strategies for reducing transportation emissions and enhancing community mobility
Building & energy	Options for increasing renewable energy use and energy efficiency
Materials management & waste	Pathways toward sustainable consumption, zero waste, and increased recycling
Natural systems	Enhancing green space and natural drainage systems through low impact development and enhanced urban tree canopy cover
Water management	Protecting and conserving water resources, including water quality and quantity

Key objectives in the third stakeholder workshop were as follows:

- **Review the qualitative multi-criteria analysis, quantitative impact assessment, and economic analysis** conducted to evaluate and prioritize the ESAP actions list.
- **Review and provide feedback on the revised list of goals, strategies, and actions** for incorporation into the draft Redmond ESAP.
- **Review City Staff implementation matrix** which includes partners, timelines, leading department etc.

Activities

To meet these objectives, the workshop included the following agenda items and activities:

- **Background and Progress To-Date:** The consultant team presented the process and outcomes from the qualitative multi-criteria analysis, quantitative impact assessment, and economic analysis.
- **Refine Action List:** Participants were asked to review the prioritized action list and provide feedback, informed by outcomes from the quantitative and qualitative analyses. Participants were asked to provide any final concerns, priorities, or comments with regards to the proposed list for inclusion in the draft ESAP. Participants were asked to complete a survey about the state of the action list.

- **Implementation Matrix:** Participants were asked to begin outlining implementation details for priority actions. Details include consideration of action sequencing/timing, critical partners, barriers and other considerations, and immediate next steps.

All activities were conducted in a **virtual online meeting** due to COVID-19 restrictions.

List of Invitees

Stakeholders invited to the workshop are listed below. The majority of participants also attended the previous two stakeholder workshops for this planning process.

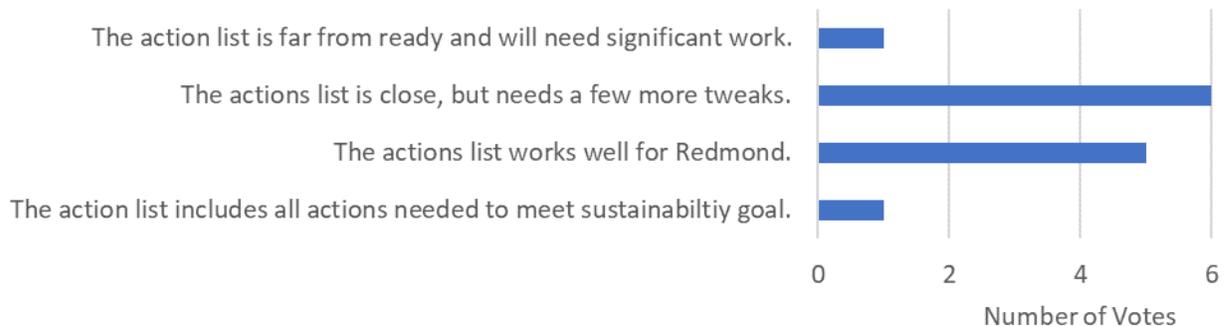
Focus Area	Invitee	Affiliation	Attended?
Climate Change & Resilience	Peter Donaldson	Sustainability Ambassadors	✓
	David Morton	Resident	✓
	Gary Smith	Resident; Parks and Trails Commissioner	✓
	Nicola Salarpi	Hopelink	✓
	Nancy Shimeall	People for Climate Action	
	Jennifer Beyer	Resident	
	Paul Stull	Resident	
	David Hoffman	Puget Sound Energy	
Building & Energy	Aparna Varadharajan	Resident; Planning Commissioner	✓
	Amy Webber	Nelson Legacy Group	✓
	Steve Thompson	Resident	✓
	Joe Skewis	Prototron Circuits	
	David Hoffman	Puget Sound Energy	✓
	Angela Rozmyn	Natural and Built Environments	✓
	Jim Stanton	Microsoft	✓
	M. Hoyt	Trammel Crow Residential	✓
	Jenna Smith	King County Housing Authority	
Transportation & Land Use	Eric Campbell	Main Street Property Group	✓
	Denis Martynowych	Sound Transit	
	Robert Oikawa	Ped/Bike Advisory Committee	
	Tom Hinman	Sustainable Redmond	✓
	Elizabeth Christian	PTSA Sustainability Chair (Redmond High School)	
Materials Management & Waste	Madeline Schroeder	Resident	✓
	David Morton	People for Climate Action	✓
	Julie Calligaro	Resident	✓
	Amrit Bhuie	PTSA Sustainability Chair (Wilder Elementary School)	✓
	Emily Newcomer	Waste Management	
Water Management & Natural Systems	Susan Robertson	Resident; Parks and Trail Commissioner	
	Megan Mollman	Resident	✓
	Monica Catunda	Resident	✓
	Paul Stull	Resident	
	Mike Brent	Cascade Water Alliance	✓

Outcomes

Refine Actions List

Comments from stakeholders were recorded within the action list documents. The City and consultant team integrated these comments into the final action list presented in the draft ESAP.

Based on the participant survey, the majority of participants indicated that the action list works well for Redmond and is close, but needed a few more tweaks.



When asked about desired next steps, responses included the following:

- *Except for a few tweaks, I think they're ready to incorporate into the plan.*
- *COVID - 19 will impact the economy and high likely impact funding - I believe the city should collaborate with the private sectors such as corporations since everyone is planning the same thing so we do not replicate our efforts instead we can get the things done in a collaborative way.*
- *I wish the action plan had more concrete steps, but I trust that those who continue to work on it will develop these to a fuller extent.*
- *Engage stakeholders more broadly for their inputs.*
- *Circling back on implementation (at least time frames) and some details for near-term plans*
- *More discussion on the priority ranking, timing of implementation, impacts and barriers. It's great to shoot for the moon, but we need to be realistic.*
- *Looking forward to supporting the design and implementation of K1-2 Education and Youth sustainability ambassadors*
- *Let's begin implementing the Plan*
- *Introduce the Environmental Sustainability Manager publicly once she's fully on board*
- *I think it's ready to go.*

Implementation Plan

Input received during the implementation planning session were recorded in a comprehensive implementation matrix, which will be presented as an appendix in the final ESAP.