

Environmental Stewardship Plan



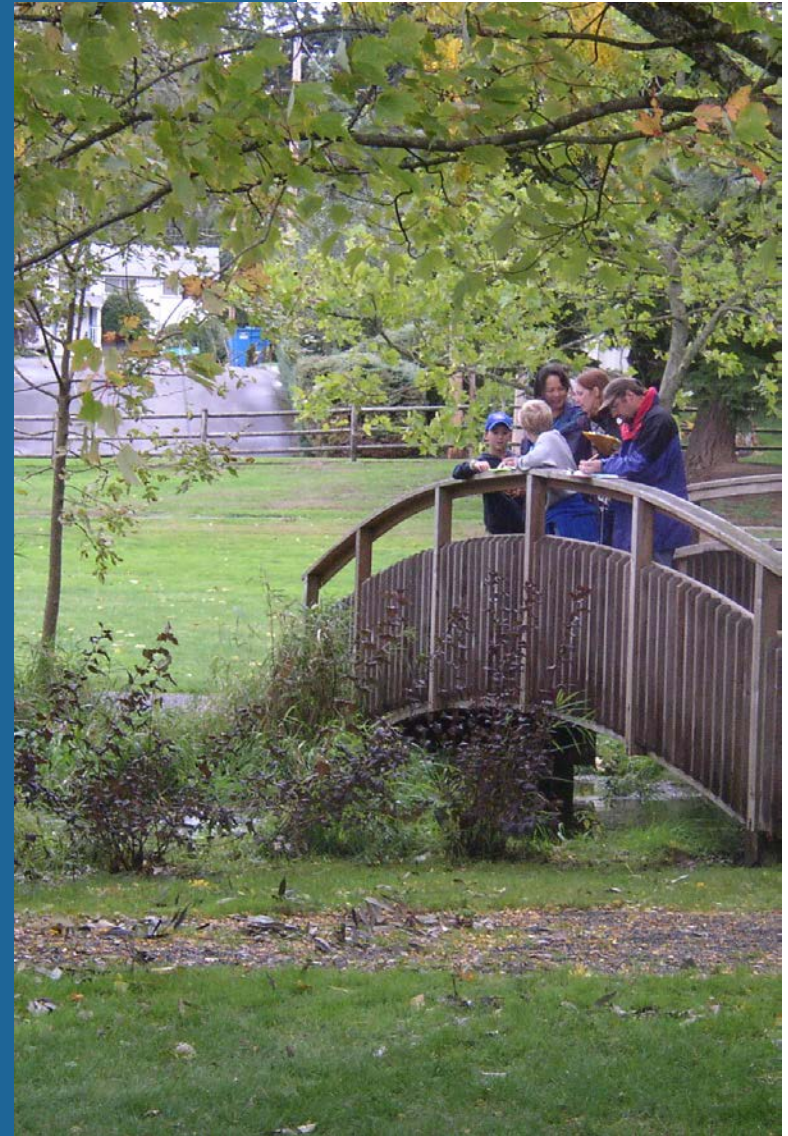
Recommended Plan for Council Review

Mac Cummins | Community Development
Emil King | Community Development
Jennifer Ewing | Community Development
November 16, 2020



Direction

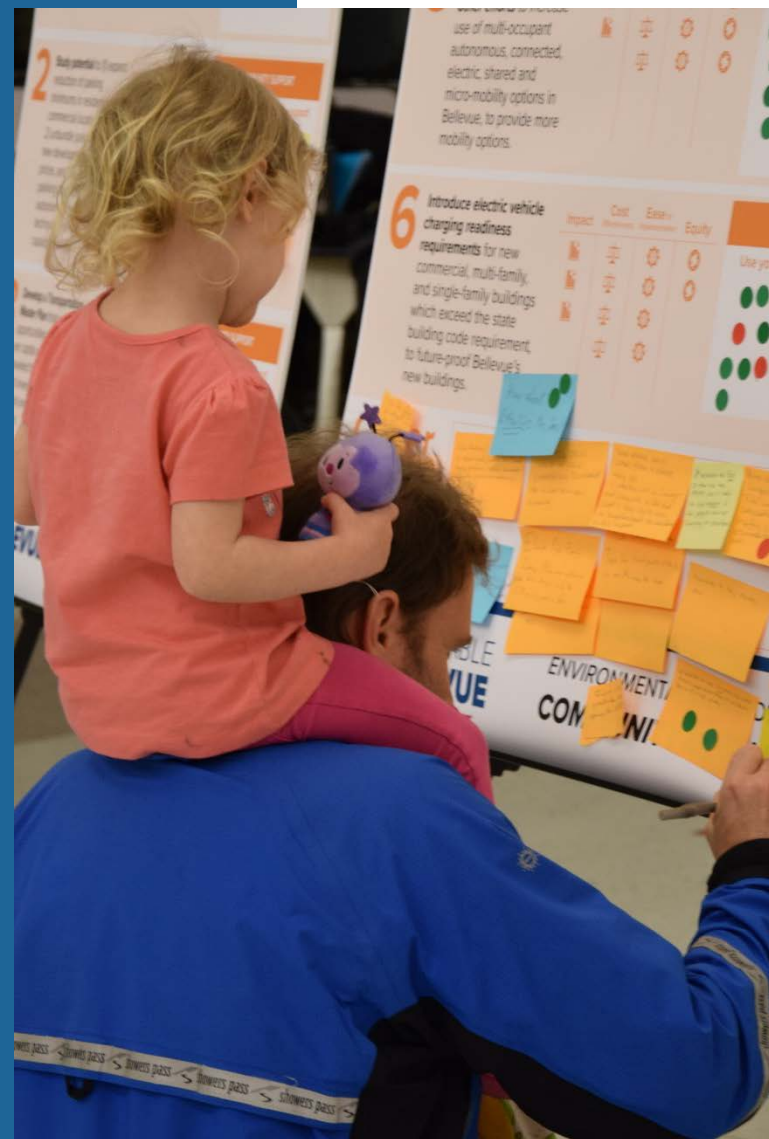
Staff requests direction regarding adoption of the recommended Environmental Stewardship Plan to occur at a future meeting.





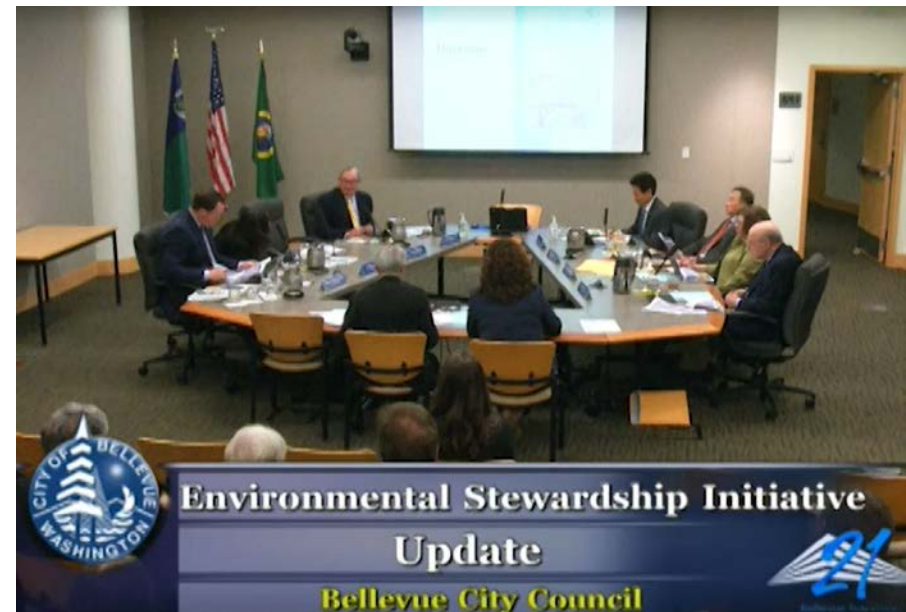
Presentation Overview

1. Review process, outreach results, and Council direction
2. Present Recommended Environmental Stewardship Plan
3. Request for direction from Council



Environmental Stewardship Plan Council Direction

- Council Priority #11: Review progress and analyze additional steps to achieve goals
- Go “Bold“, and identify opportunities for leading edge targets and actions
- Develop nearer term targets
- Build on a foundation of success
- Lead by example through municipal operations



Our Process

✓ Phase 1: Goals and Targets

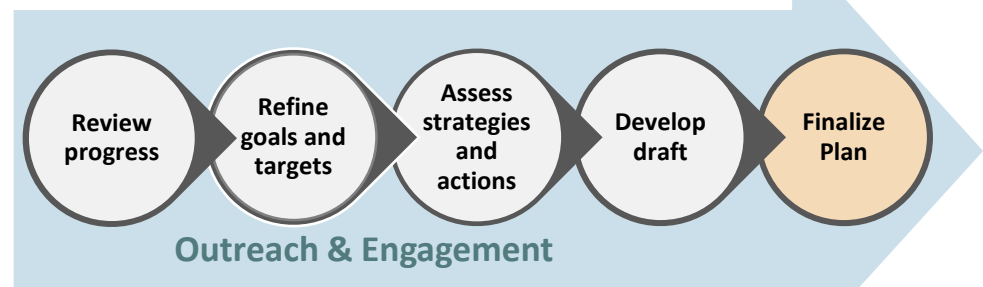
- Develop Recommendations for Goals and Targets
- Phase 1 Outreach
- Council Direction (11/12)

✓ Phase 2: Actions

- Phase 2 Outreach
- Survey – 600 respondents
- Focus Groups
- Analysis of actions
- Boards and Commissions
- Council update (9/14)

✓ Phase 3: Draft Plan

- Release draft plan
- Phase 3 public comment



Draft Plan – What We Heard

- Strengthen the energy section, in particular for existing buildings
- Review and update the plan annually
- Create a citizen advisory commission
- Add more specific timelines and next steps for actions
- Less studies, more action
- More leading edge actions



Climate Change



Our goal

Our goal is to reduce Bellevue's greenhouse gas (GHG) emissions and prepare and adapt to ongoing climate change impacts.

2050 target

⬇ 80% greenhouse gas reduction

Climate Change

Action Highlights



Air quality
monitoring and code
considerations



Regional
collaboration
through K4C



State legislative
interests

Planning and Policy

- Assess impacts of climate
- Comprehensive Plan update climate considerations

Outreach & Education

- Develop Climate Change outreach program



Energy



Our goal

Our goal is to ensure long-term access to clean energy while saving money and reducing environmental impacts of energy consumption.

2050 targets



100% renewable energy



30% energy use reduction



Energy



Action Highlights



Home Energy
Retrofits



Commercial energy
benchmarking
support



Green building
incentives

Future Planning

- Green Affordable Housing
- Streamlined permitting
- Increase onsite solar

Regional & State

- Clean Energy Transformation Act
- State Building Code



Materials & Waste



Our goal

Our goal is to reduce the negative impacts from consumption and waste practices and strive towards zero waste of resources.

2050 target



Materials & Waste



Action Highlights



Recycling space requirements



Single-use plastics



Multi-family and commercial building outreach

Future Planning

- Assess strategies for achieving zero waste goals

Outreach & Education

- Construction and demolition waste
- Food waste prevention



Natural Systems



Our goal

Our goal is to improve and preserve the integrity and health of Bellevue's natural systems and ensure all of Bellevue's residents have access to Bellevue's abundant natural resources.

2050 targets



40% tree canopy cover



100% of residents live within 1/3 mile of a park, open space, or trail



Natural Systems



Action Highlights



Plant 75,000 trees



Update tree codes



Multiple environmental
benefits for open
spaces

Future Planning

- Watershed Management Plan
- Parks & Open Space Plan

Outreach & Education

- Tree Ambassadors and Tree Tours



Mobility & Land Use



Our goal

Our goal is to minimize the environmental impacts of transportation and development in Bellevue by focusing on development in growth centers and providing all residents with access to a variety of mobility options.

2050 targets



45% drive-alone rate



100% electric vehicle (EV) ownership



50% reduction in vehicle miles traveled per capita



85% of jobs and 65% of housing within ¼ mile of frequent transit



Mobility & Land Use

Action Highlights



Mobility
Implementation Plan



EV infrastructure,
readiness, and fleets



Transportation
Demand
Management

Future Planning

- Parking needs study
- Transportation Impact Fees
- EcoDistrict assessment

Regional & State

- Clean Fuel Standard
- Incentives for electric vehicles



MUNICIPAL OPERATIONS

GOAL

The city will be a sustainability leader.



2040 targets



80% GHG emissions reduction

35% employee drive-alone rate



100% light-duty fleet EVs

30% fleet fossil fuel reduction



100% renewable energy

50% building energy reduction



90% recycling rate = zero-waste

10% water use reduction



80% forests in healthy condition



MUNICIPAL OPERATIONS



Action Highlights



Sustainable operations
& projects trainings



Municipal fleet
electrification &
charging stations



Green building
performance standards
(new & existing)



Local, renewable
purchases & recycle
C&D waste



Renewable energy
installations & power
purchases

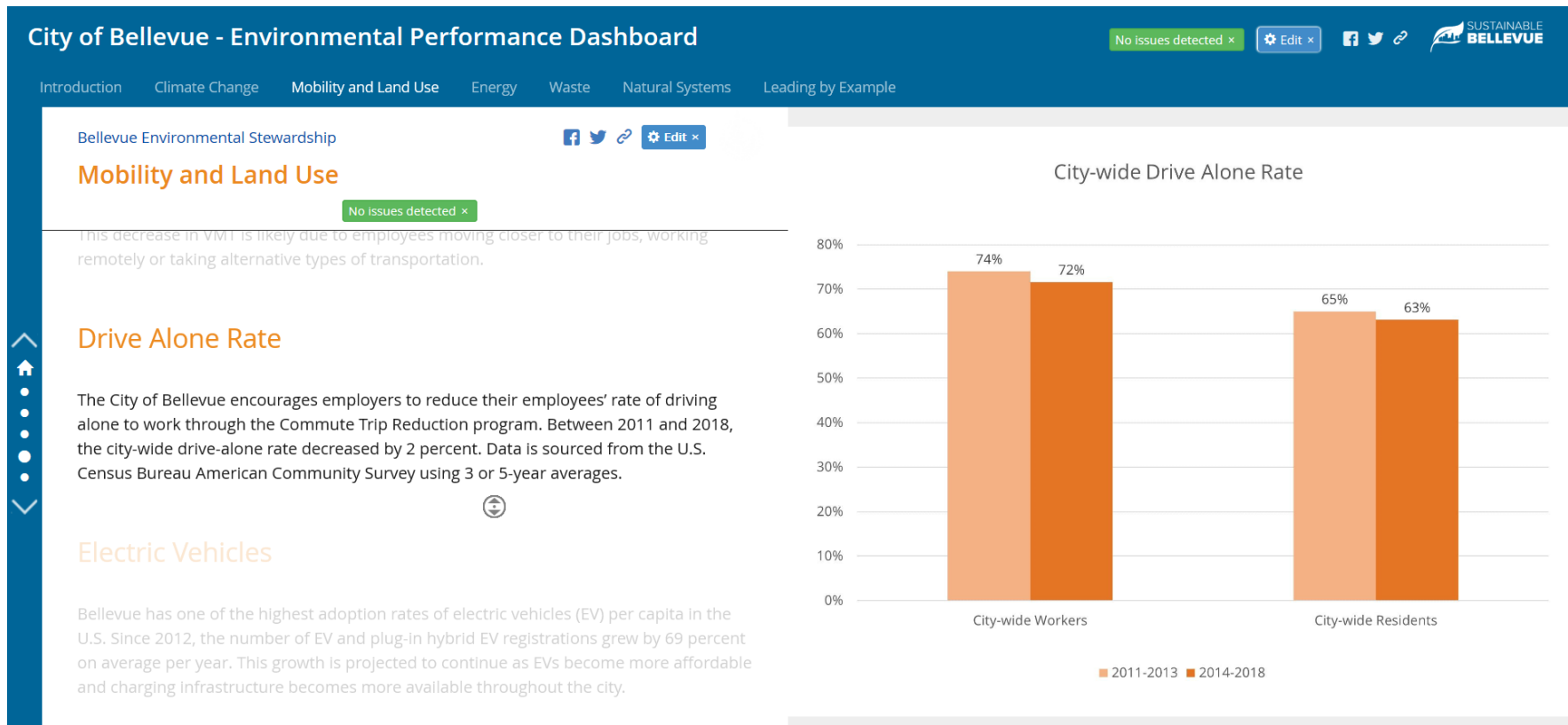


Sustainable
landscaping practices
& water use



Tracking Progress

New Environmental Stewardship Dashboard





Direction

Staff requests direction regarding adoption of the recommended Environmental Stewardship Plan to occur at a future meeting.

