

# Environmental Stewardship Plan

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## Recommendations for Goals and Targets

Emil King and Jennifer Ewing | Community Development  
Ana McMahon | Finance and Asset Management  
November 12, 2019



# Direction

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Staff seek **direction** from the Council on the goals and targets for the updated Environmental Stewardship Plan and to engage with the relevant boards and commissions for the next phase of the plan development.





# Agenda

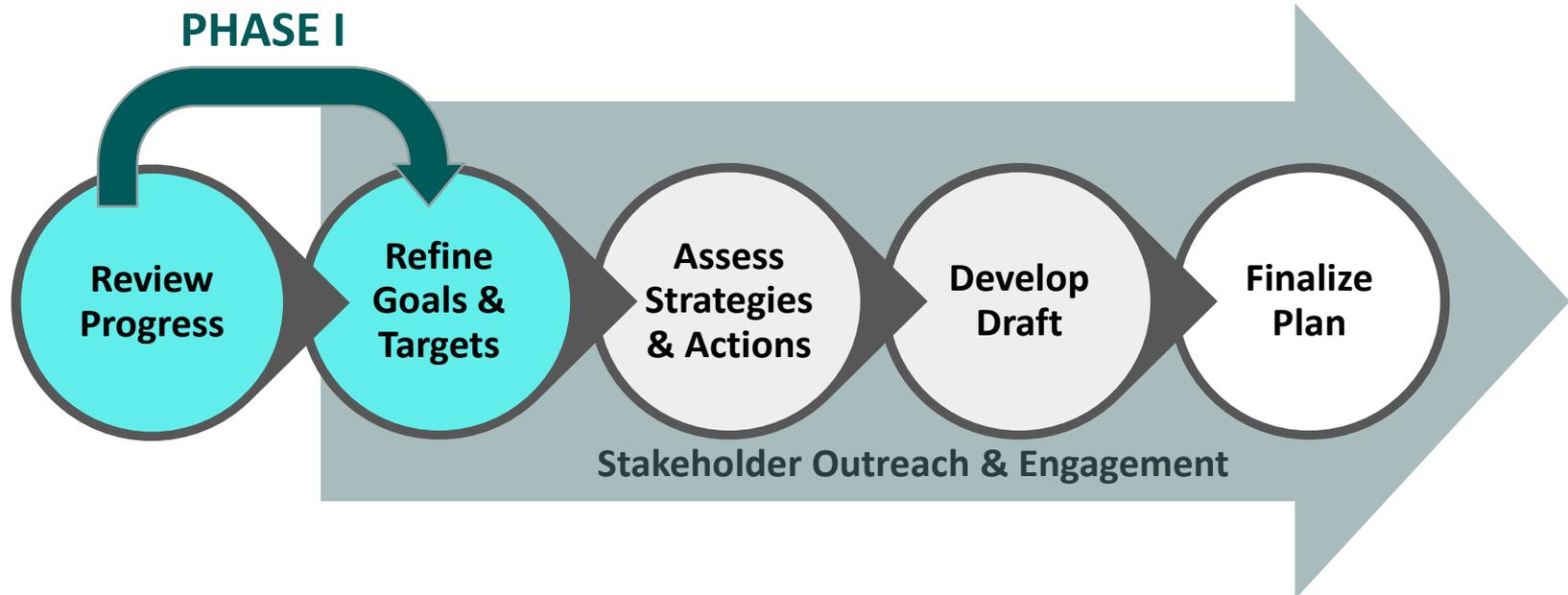
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1. Recap planning process
2. Overview of Analysis and Outreach
3. Recommendations for Goals and Targets
4. Next Steps
5. Direction and discussion



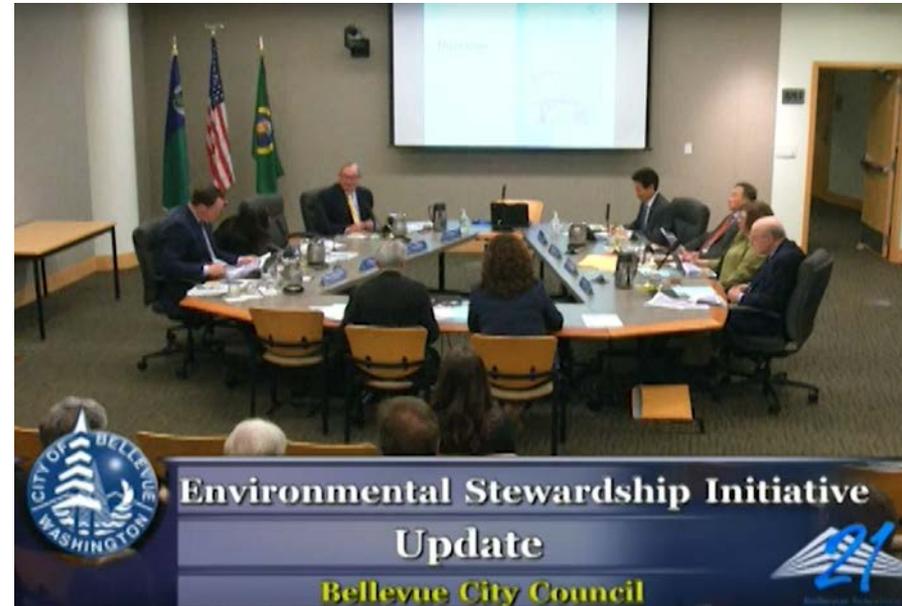
# Planning Process

- Hired sustainability consultant
- Reviewed City's accomplishments
- Researched best practices and peer cities
- Held workshops for public, community leaders & staff
- Developed target recommendations for Council



# Previous Council Direction

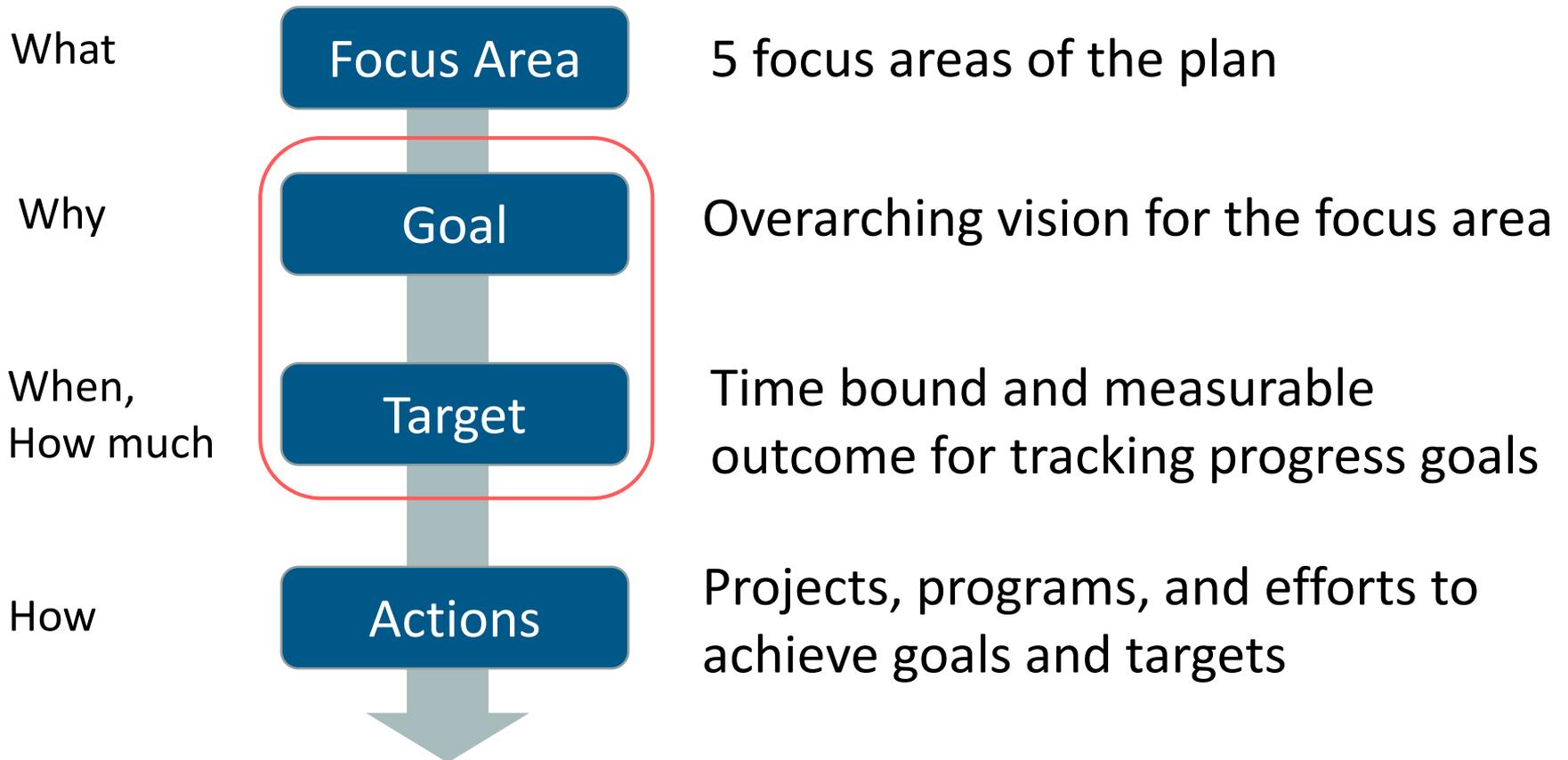
- City Council Vision Priority #11
- Lead by example through municipal operations
- Take a step forward and be community leaders
- Build on a foundation of success
- Go “Bold”
- Leverage partnerships
- Continue public outreach and engagement



*Excerpts from Council presentations in  
Nov 2018, Feb 2019, and May 2019*

# Plan Elements

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# What Level of Ambition?

## Stretch

A little more  
than we do  
now

## Bold

Best  
practice;  
ambitious  
commitment

## Leading Edge

Most  
ambitious

EFFORT

Level of Effort, Participation, and Policy Changes 

COST

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EXAMPLES

- Nashville, TN

- King County and K4C
- Kirkland, WA
- Redmond, WA
- Denver, CO
- San Diego, CA

- Oslo, NO
- Boulder, CO
- Vancouver, BC

# External Engagement: What We're Hearing

- **ESI Survey: 385 respondents**
  - 87% agree or strongly agree that environmental stewardship is good for the health and livability of their community.
  - 48% want Bellevue to be leading edge
  - 31% want Bellevue to take bold action
- **Citywide survey:** Healthy living a high priority
- **Sustainability leaders** (Amazon, T-Mobile & Vulcan) set ambitious goals by 2030 or 2040 (i.e. carbon-neutral, zero-emission vehicles, zero-waste)

79% want  
Bellevue to be  
ambitious!



# Communitywide Targets

	 <b>PROGRESS SINCE 2011</b>	 <b>2050 TARGETS</b>
<b>MATERIALS MGMT &amp; WASTE</b>	40% Recycling Rate	Zero Waste
<b>MOBILITY &amp; LAND USE</b>	65% Drive Alone Rate (Residents) 2% EV Ownership 3% VMT/Capita Reduction 63% Jobs & 42% Housing within ¼ mile of freq. transit station	45% Drive Alone Rate 50% EV Ownership 50% VMT/Capita Reduction 85% Jobs & 65% Housing within ¼ mile of freq. transit station
<b>ENERGY</b>	40% Renewable Energy 5% Energy Use Reduction	100% Renewable Energy 30% Energy Use Reduction
<b>NATURAL SYSTEMS</b>	37% Tree Canopy Cover 73% 1/3 mile to Park Access	40% Tree Canopy Cover 90% 1/3 mile to Park Access
<b>CLIMATE CHANGE</b>	<b>9% GHG Reduction</b> (22% per capita reduction)	<b>80% GHG Reduction</b>

# Municipal Operations Targets



## PROGRESS SINCE 2011



## 2040 TARGETS

### MATERIALS MGMT & WASTE

53% Recycling Rate

Zero Waste

### MOBILITY & LAND USE

43% Drive Alone Rate

40% Drive Alone Rate

41% Light Duty LEVs

75% Light Duty EVs

5% Fuel Reduction

30% Fuel Reduction

### ENERGY

70% Renewable Energy (2021)

100% Renewable Energy by 2030

32% Energy Use Reduction

40% Energy Use Reduction

### NATURAL SYSTEMS

4% Water Use Reduction

10% Water Use Reduction

75% Forest Health  
(Trees in Class 1 or 2 Condition)

80% Forest Health  
(Trees in Class 1 or 2 Condition)

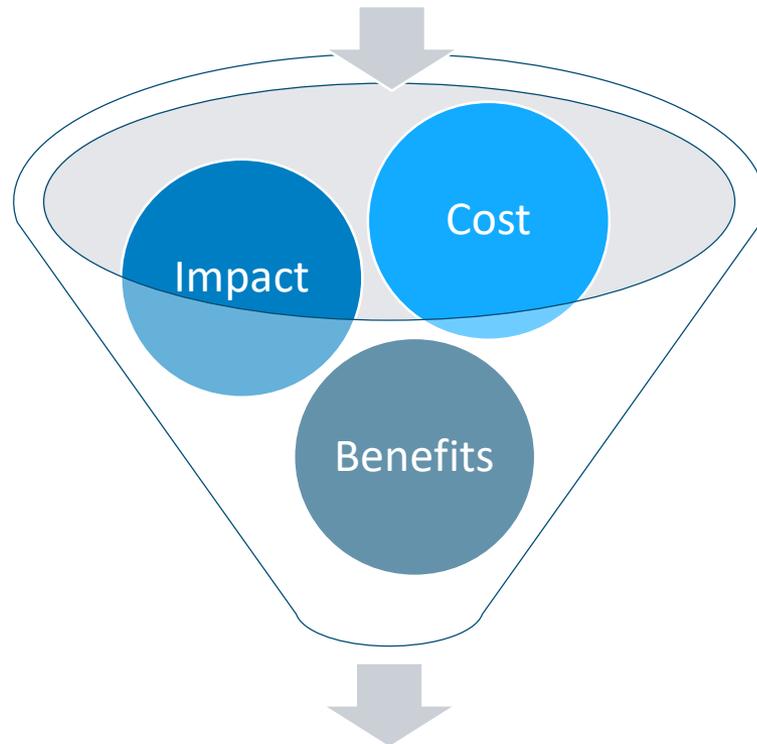
### CLIMATE CHANGE

22% GHG Reduction

80% GHG Reduction

# Strategy and Cost Considerations

## Possible Strategies and Actions



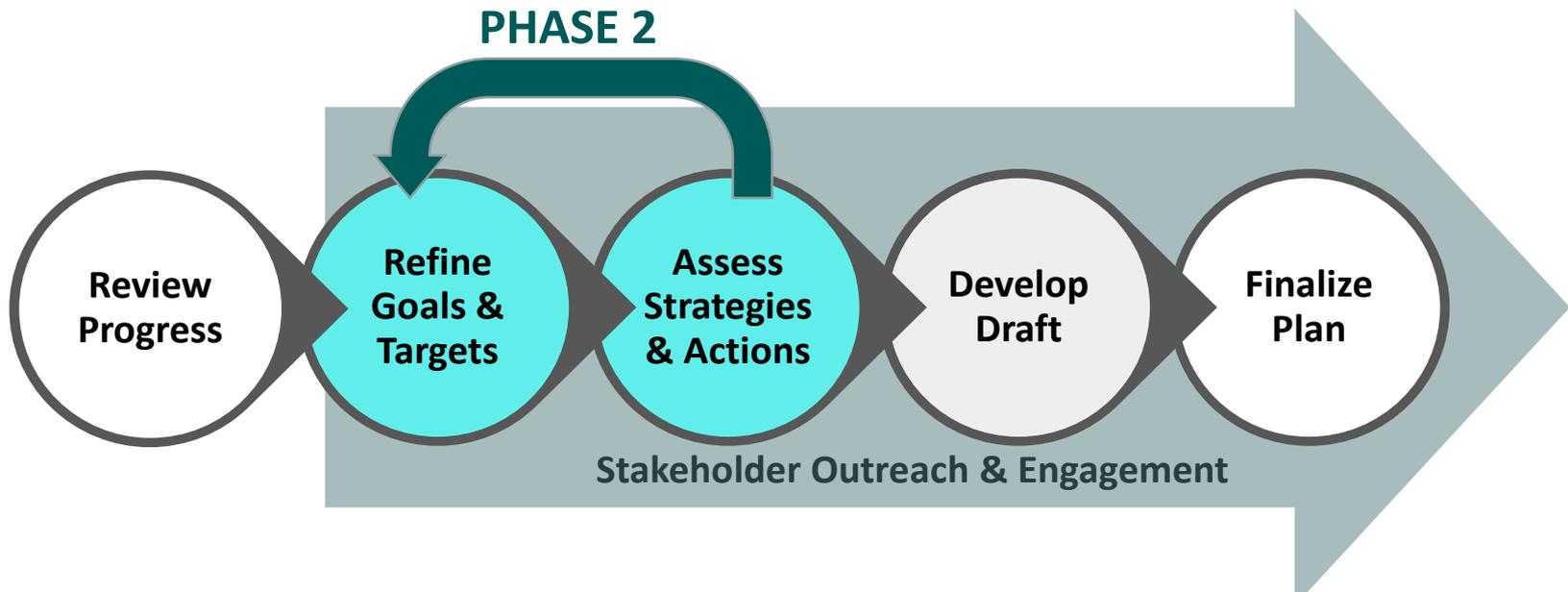
## Short-list of Actions

### Considerations:

- Best practices
- Return on Investment
- Co-Benefits
- Build on existing efforts
- Future-proofing and smart city investments

# Next Steps

- Continue stakeholder outreach & engagement
- Develop potential strategies to achieve targets
- Solicit input from residents, businesses, and boards and commissions
- Estimate costs and benefits for each strategy
- Present strategy options to Council



# Proposed Engagement Boards and Commissions

## Environmental Services Commission

- Recycling and waste diversion
- Low impact development and stormwater management

## Transportation Commission

- Reducing vehicle miles traveled
- Cleaner fuels
- Increasing electric vehicles

## Parks and Community Services Board

- Tree canopy in parks
- Strategies for achieving the parks access goal

## Planning Commission

- Relationship between the updated Environmental Stewardship Plan and the Comprehensive Plan
- Green building incentives

## Bellevue Diversity Advantage Network

- Engaging with diverse communities
- Environmental justice concerns



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## Communitywide Targets



	<input checked="" type="checkbox"/> PROGRESS SINCE 2011	2050 TARGETS
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## Municipal Operations Targets



	<input checked="" type="checkbox"/> PROGRESS SINCE 2011	2040 TARGETS
MATERIALS MGMT & WASTE	53% Recycling Rate	Zero Waste
MOBILITY & LAND USE	43% Drive Alone Rate 41% Light Duty LEVs 5% Fuel Reduction	40% Drive Alone Rate 75% Light Duty EVs 30% Fuel Reduction
ENERGY	70% Renewable Energy (2021) 32% Energy Use Reduction	100% Renewable Energy by 2030 40% Energy Use Reduction
NATURAL SYSTEMS	4% Water Use Reduction 75% Forest Health (Trees in Class 1 or 2 Condition)	10% Water Use Reduction 80% Forest Health (Trees in Class 1 or 2 Condition)
CLIMATE CHANGE	22% GHG Reduction	80% GHG Reduction