

Customer Review Panel

Seattle Public Utilities

September 13, 2021



City of Seattle

Welcome & SPU Updates

Mami Hara

CEO and General Manager, SPU



City of Seattle

Public Comment

Moderator: Karen Reed

Committee Business

Presenters: Karen Reed, Dani Purnell, Kate Morrison



City of Seattle

City Council & Mayor's Office Updates

Presenters: Akshay Iyengar, Brian Goodnight



City of Seattle

Essential Services Metrics + Focus Area Progress

Second Quarter 2021

September 13, 2021



SPU CIP Projects - PDEB Portfolio

Second Quarter 2021

September 13, 2021



SPU Quarterly Financial Update

Second Quarter 2021

September 13, 2021



SBP Focus: Stewarding Environment & Health

Presenters: Leslie Webster, Ann Grodnik-Nagle, Tracy Tackett, Veronica Fincher



City of Seattle

Shape Our Water

A 50 Year Plan for Seattle's Water Resilience

Leslie Webster – DWW Planning Manager



A 50 Year Plan for Seattle's
Water Resilience



**Seattle
Public
Utilities**

A scenic sunset over a city and water with mountains in the background. The sun is low on the horizon, casting a golden glow over the sky and water. The city buildings are silhouetted against the bright light, and the mountains in the distance are also silhouetted. The water is calm, reflecting the light from the sun.

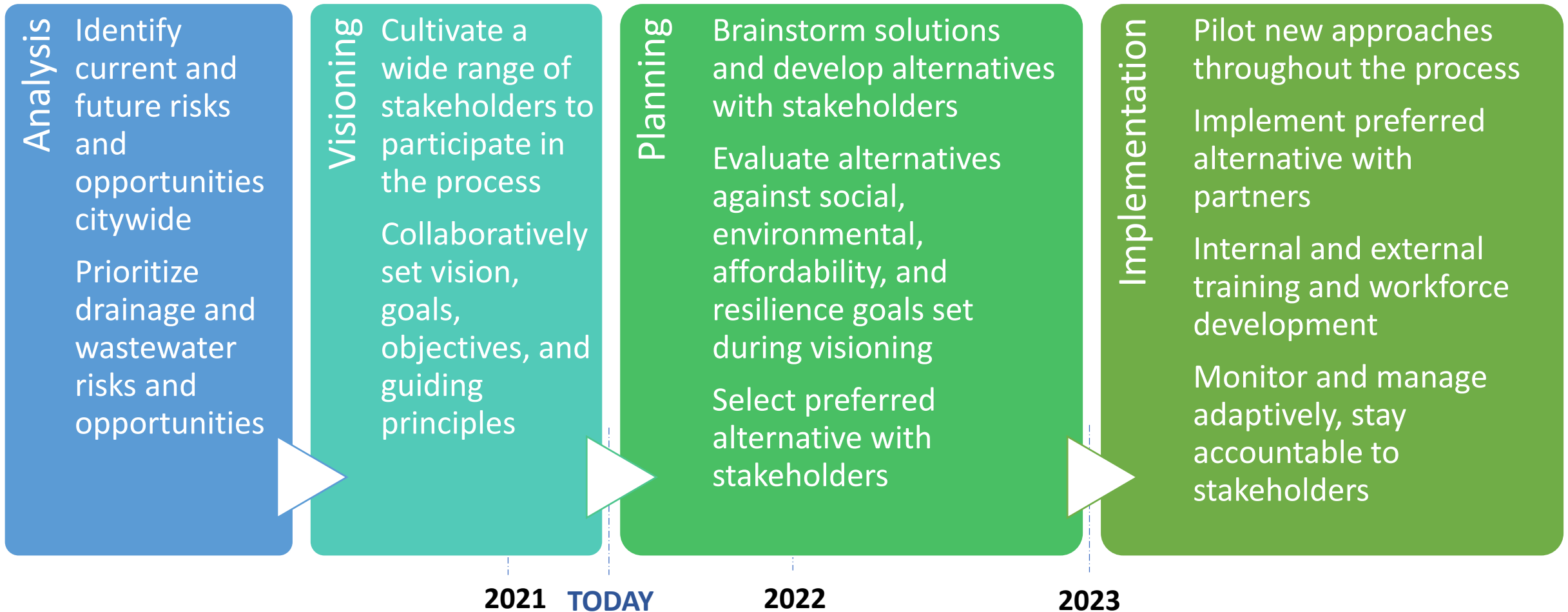
Shape Our Water: Planning Goal

Identify the best investment strategy to achieve the greatest environmental and community benefits for Seattle at the lowest cost to our customers.

Planning Theory

water infrastructure can be a ***platform***
*for public health, social cohesion,
environmental justice, cultural identity,
and a wide range of other
social, environmental and economic benefits*

Shape Our Water: Process



Intent Statement

www.shapeourwater.org/about-shape-our-water

- Provide stakeholders the transparency needed to build trust
- Expression of where SPU is starting from and what we bring to the table
- Commitment to:
 - *Environmental stewardship*
 - *Environmental justice*
 - *Regulatory compliance*
 - *Affordability*
 - *Equity*
 - *Science and data*
 - *Collaboration*
 - *Empowerment*



SPU's Drainage and Wastewater Line of Business is developing the Shape Our Water Plan – a 50-year plan for Seattle's water resilience. **As we strive to create a shared vision** for this plan with our communities and stakeholders, we want to be clear about our base responsibilities and commitments upfront. The goal of this statement of intent is to provide transparency about SPU's intentions for this planning effort. We hope this transparency will help build the trust that is needed to meaningfully and equitably collaborate with you to develop the Shape Our Water Plan.

SPU is responsible for providing drainage and wastewater services for the City of Seattle. Provision of these services means that we are the stewards of publicly owned physical infrastructure systems that have taken over a century to build. **Our duty is to manage those systems efficiently and sustainably to protect public health, safety, and the environment.**

Our customers trust in SPU to wisely invest their rates in the management and improvement of these systems both today and in the years to come. As we embark on a collaborative process to determine how SPU will invest in programs, projects, and partnerships that achieve the greatest environmental and community benefits for Seattle at the lowest cost to our customers we are committed to:



Let's do this, together.
Find out how at
ShapeOurWater.com

Equity Framework

- Drafted through a series of trainings and workshops lead by equity advisors
- Articulates the racial equity *values* and *principles* for Shape Our Water
- Provides direction in decision-making and practice
- Living document that is revisited throughout plan development

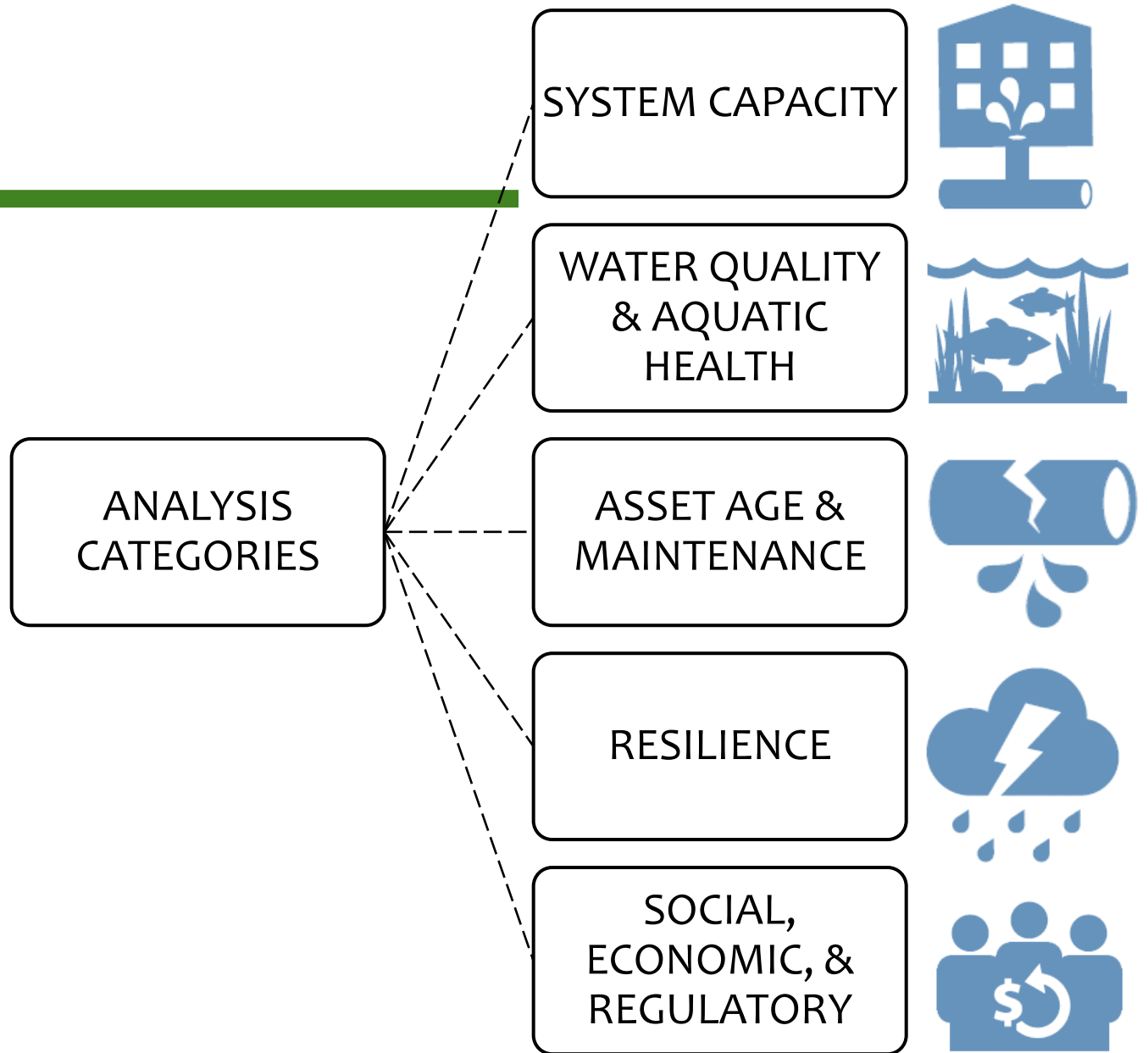
Values

- Environmental Justice
- Service Equity
- Climate Justice
- Community Wealth Building

Principles

- Lead work with a racial equity analysis
- Work collaboratively
- Be innovative
- Be clear about our power
- Be strategic
- Be willing to confront systems
- Work boldly and courageously

Analysis Stage



Visioning Stage

COVID-responsive engagement approach:

Broad, citywide engagement

- Media Campaign
- DWW 101
- Virtual Tours
- Community Stories

Focused engagement with key partners

- In-reach*
- 1x1 conversations*
- Fireside Series
- Digital Convening
- Design Team



Visioning Stage

www.shapeourwater.org/events



- ***Moving Waters*** featured local Tribal members exploring how their relationship with water has shifted throughout time.
- ***Water Justice*** featured national and local leaders exploring what it means to lead with equity in infrastructure projects.
- ***Planning For Our Water Future*** featured national and international examples of creating a community centered vision for long range planning.



Visioning Stage

3. COMMUNITY STORIES



- Multi-media stories about community members' personal connections to urban waters.
- Each story is a collaboration between the storytellers and a team of local production partners, including South Seattle Emerald and KVRU.

www.shapeourwater.org/community-stories



FEATURES

SHAPE OUR WATER:
MAGDALENA 'MAGGIE' ANGEL-
CANO

🕒 MAY 6, 2021 🧑‍✍️ EDITOR 💬 LEAVE A COMMENT

Visioning Stage

www.shapeourwater.org/about-drainage-and-wastewater



- Drainage and wastewater systems and services are often invisible – people only experience us when there is a problem.
- This “101” helps show how SPU infrastructure and services positively affect their communities.



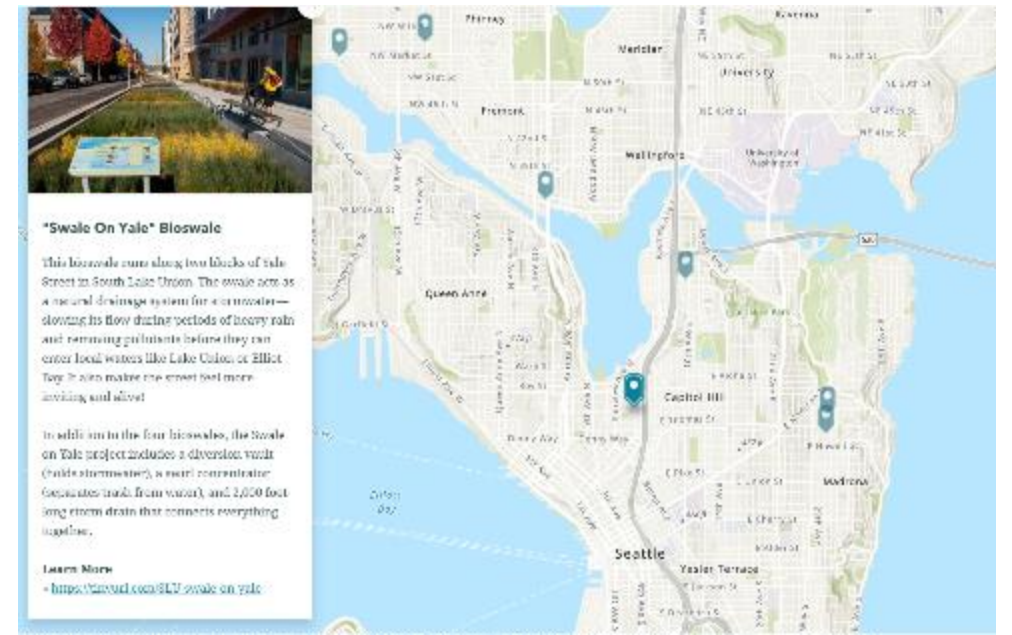
**YOUR
DRAINAGE AND
WASTEWATER
SERVICES**

Visioning Stage

www.shapeourwater.org/about-drainage-and-wastewater



- Online ESRI Story Map with 20 sites including both green and grey infrastructure
- Future updates in add:
 - Watershed History
 - Synthesis of Analysis Data

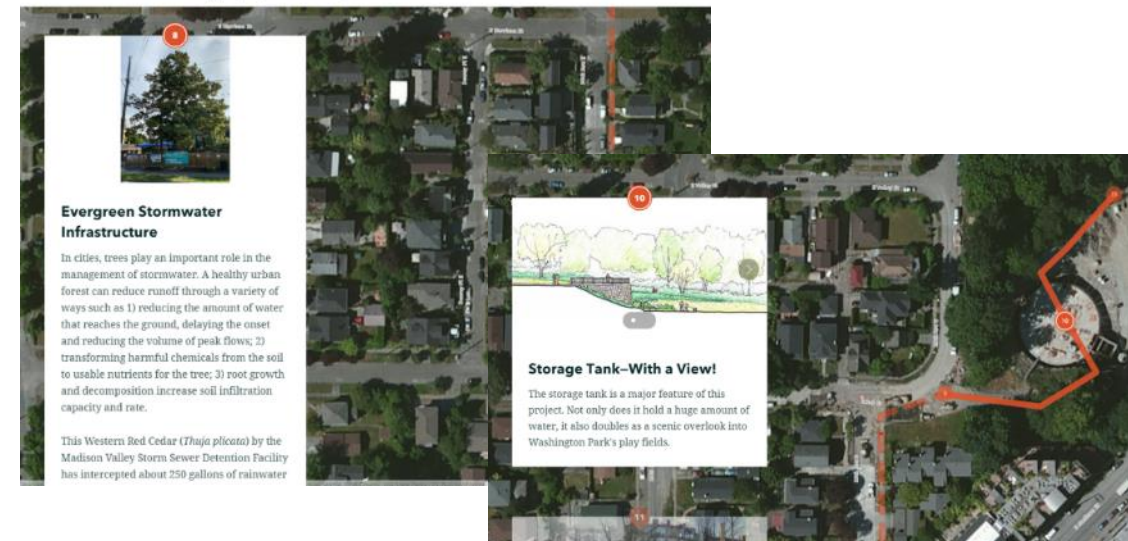


Visioning Stage

www.shapeourwater.org/about-drainage-and-wastewater



- Opportunity for people to tour infrastructure projects from the safety of their home (during COVID pandemic)
- 3 tours include:
 - *Madison Valley*
 - *Highpoint*
 - *Meadowbrook Pond*



Visioning Stage – Focused Engagement



Biruk Belay



Michelle Benetua



Nancy Huizar



Jescelle Major



Ishmael Nuñez



Matt Remle

Design Team

- Worked with SPU staff to co-create the Fireside Series, focus group, and Convening
- Members lend their expertise about issues important to the community and helped with recruiting, reducing barriers to participation, facilitation, and distilling post-event feedback



Focus Group

What is your vision for Seattle? What will the city look like in 50 years?

Digital Convening

Videos of Convening available at:

www.ShapeOurWater.org/convening

Brought together stakeholders and community together to envision potential foundational principles needed to truly execute a community centered and multi-benefit long range infrastructure plan.



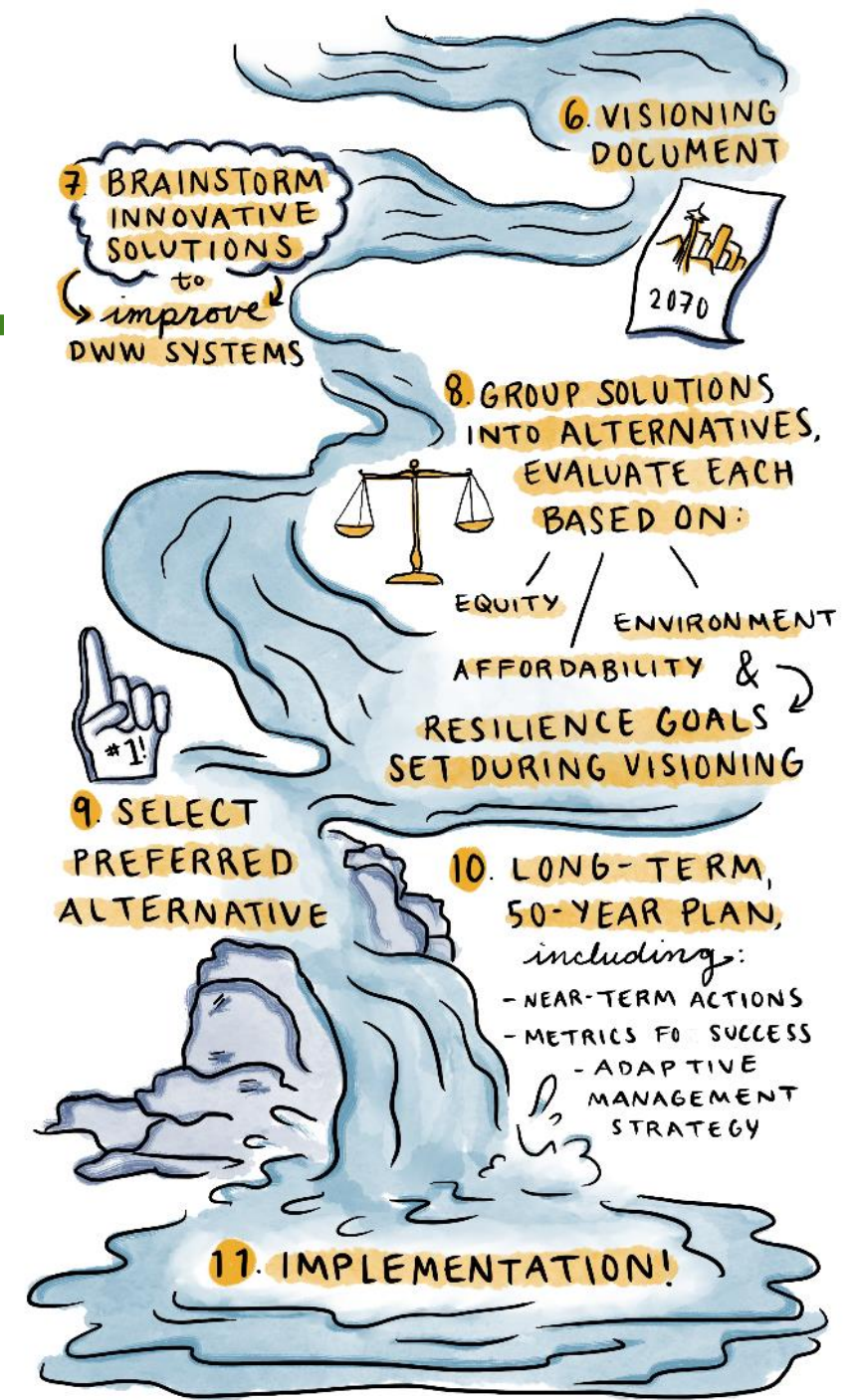
Visioning Document



- We are currently synthesizing all the input we received into a draft Shape Our Water vision document
- The document will be publicly accessible later this year on www.ShapeOurWater.org
- The document will remain DRAFT – ongoing refinements will continue throughout the remainder of plan development
- Final visioning document will be incorporated into the Shape Our Water Plan.

Up Next: Planning

- Builds directly from analysis and visioning
- Engagement approach will compliment planning approach
- Equity will continue to be central to our process and outcomes
- Starting: Q3, 2021
- Finishing: by the end of 2023
- ~2-year process



Thank you! Questions?

Leslie.Webster@seattle.gov



A 50 Year Plan for Seattle's
Water Resilience



Seattle Public Utilities



Lower Duwamish Valley Resilience District

Leveraging public investment to address climate change, foster economic development, and prevent community displacement

SPU Customer Review Panel - 9/13/2021

Centering On Community Challenges

Lead with awareness + recognition of history, racial inequity, economic and health disparities, and structural injustice.

Focus on basic human right to **affordably access essential service**, have good health, a clean environment, and the opportunity for self-determination and full thriving... in place.



Health Defined by Geography?



Duwamish Valley Program

Life Expectancy



Asthma Prevalence



Living Near Contaminate Site, Superfund Site, or Freight Corridor



How do we understand + manage our impact?

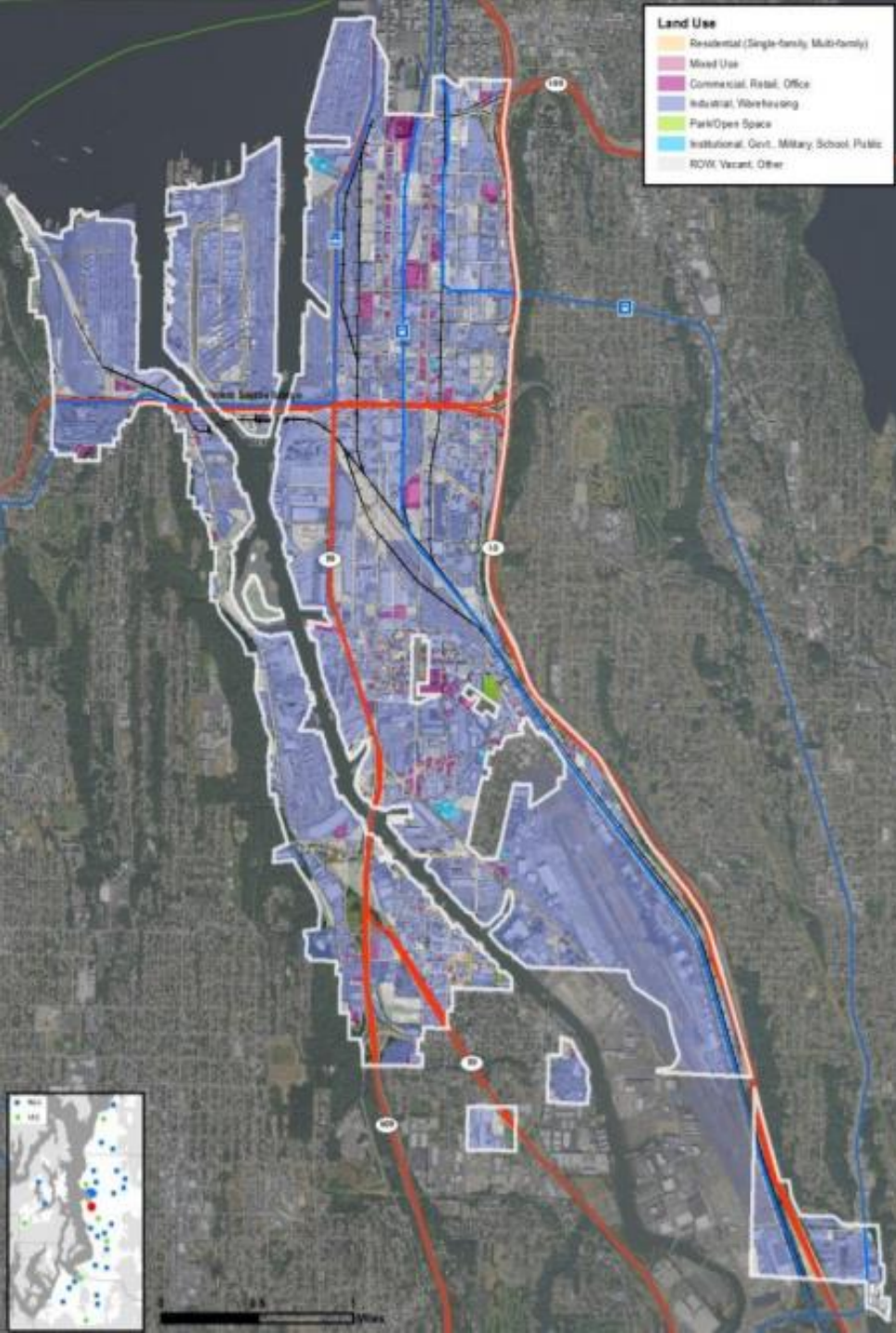


Lower Duwamish Valley Resilience District









Duwamish MIC

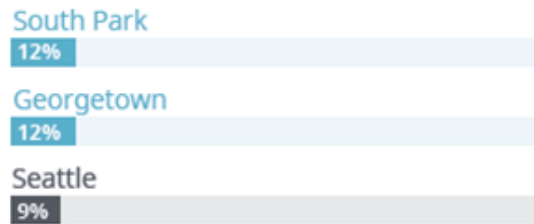
- Duwamish Manufacturing/Industrial Center is one of the largest, most intensely developed manufacturing/industrial areas in the Pacific Northwest
 - 60,000 jobs
 - 5,000 acres
- The Duwamish Valley communities of Georgetown and South Park play a substantial role:
 - ~\$300 million in annual taxable revenues in 2016
 - 10,000+ industrial jobs



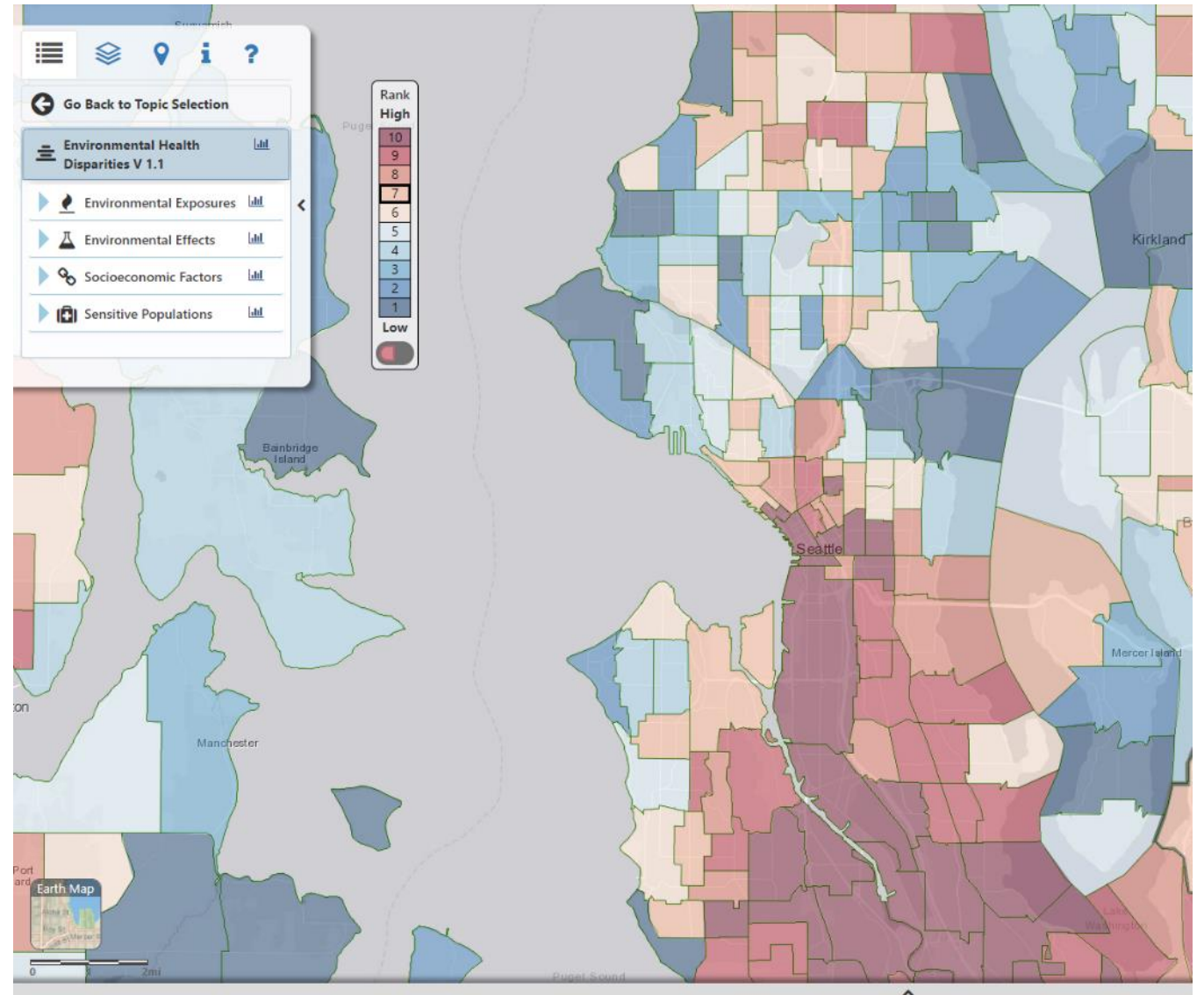
Life Expectancy



Asthma Prevalence



Living Near Contaminate Site, Superfund Site, or Freight Corridor



SPU South Park Drainage Improvements Program

Pump Station – 2021 Construction

SPU



Roadway and Drainage Improvements – 2021/22

SPU and SDOT







Water Quality Treatment Facility – by 2030

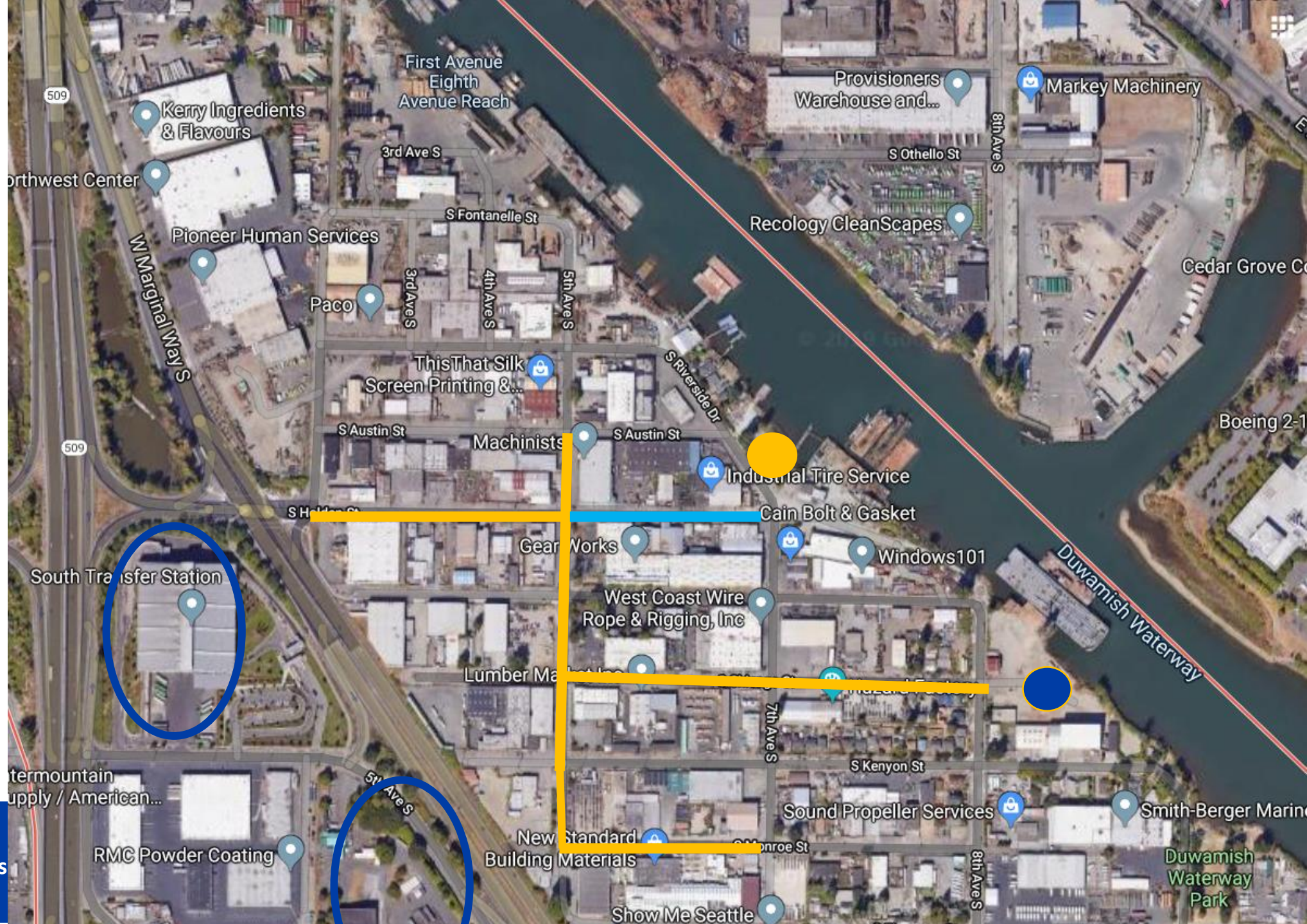
SPU



+ potential small scale (\$6M) phase 2 with Fed Stimulus \$

SPU Project Locations

-  Pump Station
-  Roadway and Drainage
-  Drainage Only
-  WQ Facility



Episodic Impacts in South Park

Table 1. Sea Level Rise Projections for the City of Seattle

Condition	2020	2050		2100	
	Water Level (ft) ¹	Projected SLR (ft) ²	Water Level (ft) ^{1,3}	Projected SLR (ft) ²	Water Level (ft) ^{1,3}
Daily high tide	0	1	1	3	3
Monthly high tide	1	1	2	3	4
Annual high tide	2	1	3	3	5
100-year storm surge ⁴	3	1	4	3	6

¹ Water level above the average daily high tide (MHHW) in 2020.

² SLR is relative to a 1991 through 2009 average, based on 50-percent probability SLR values for 2050 and 17-percent probability for 2100, using regional climate model 8.5 greenhouse gas model. (Miller et al. 2018).

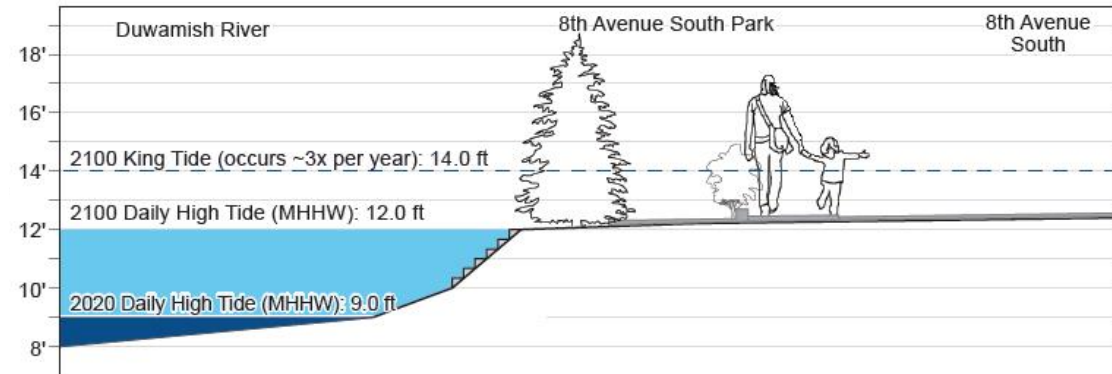
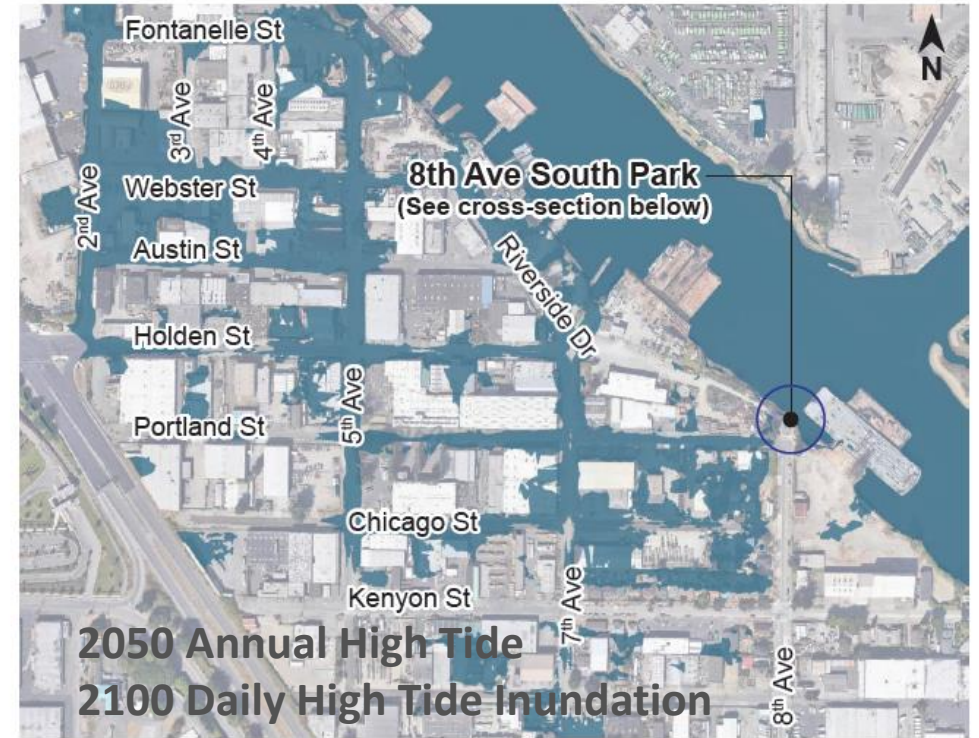
³ Calculated as 2020 water level plus projected SLR for the given future year.

⁴ Current projections do not include a change in storm surge as a result of SLR.

ft = feet

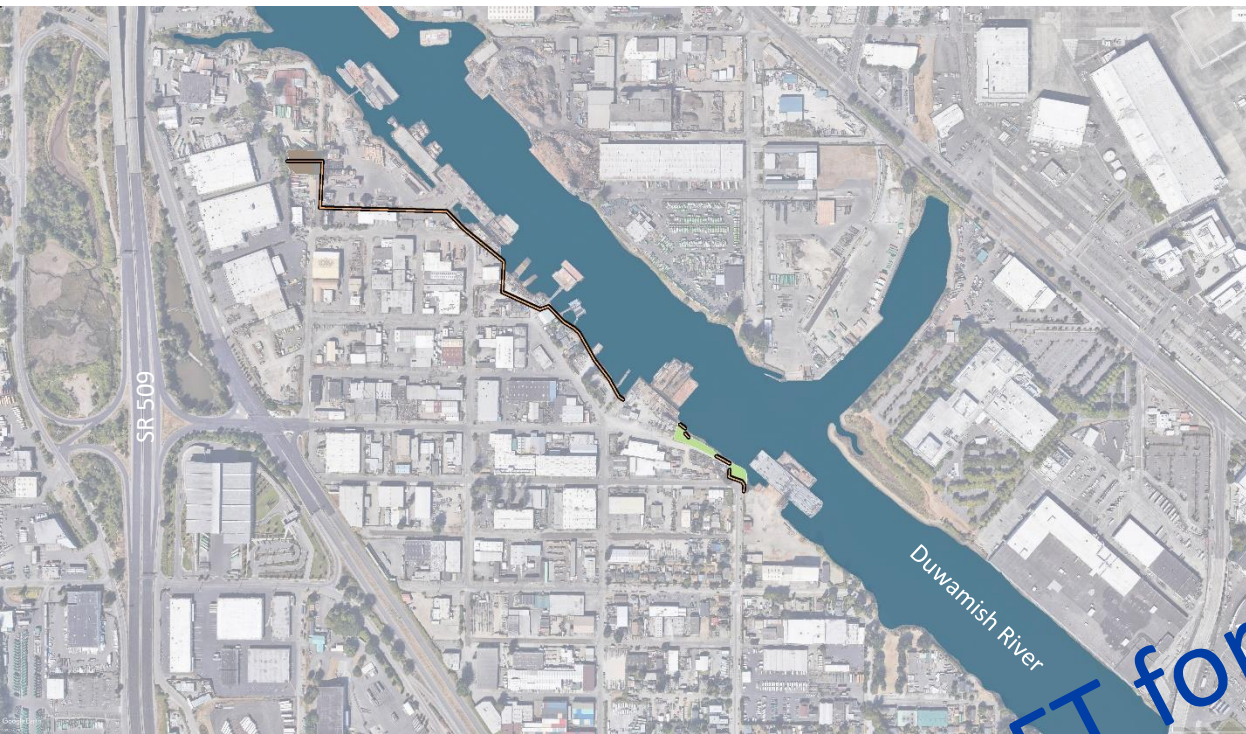
MHHW = mean higher high water

SLR = sea level rise



Sea Level Rise (SLR) Approach Comparison

Traditional SLR Infrastructure Approach



Expanded SLR Infrastructure Approach



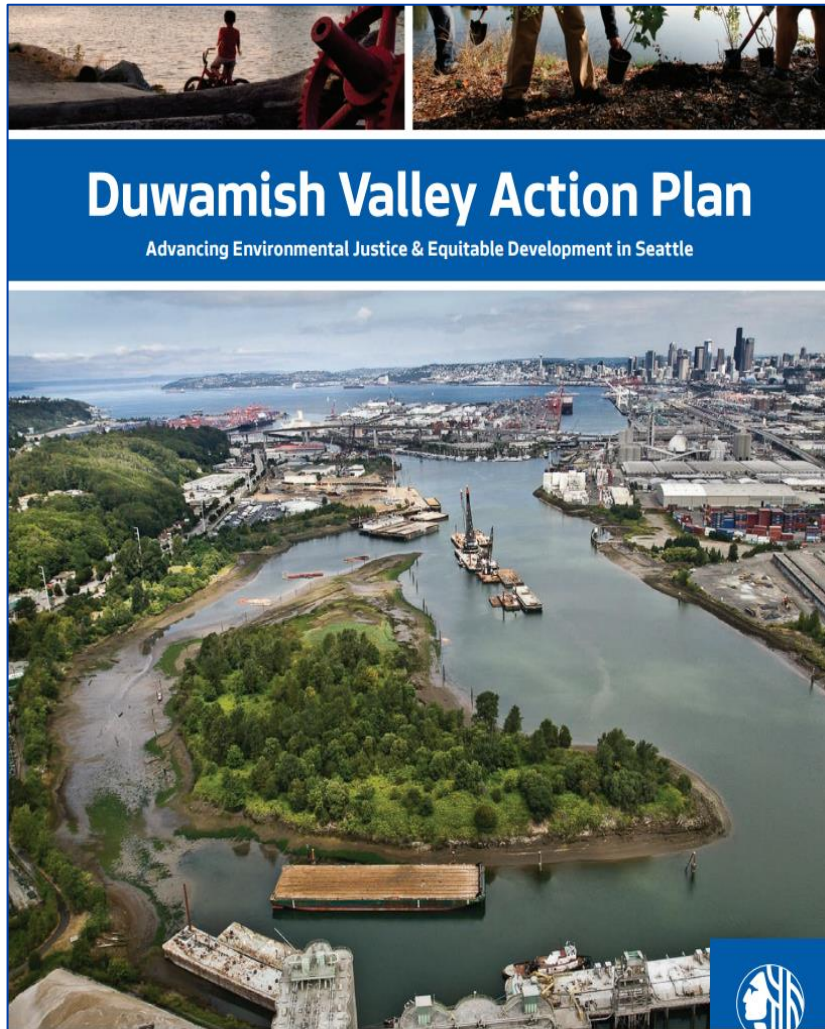
DRAFT for initiating discussion

- Fewer properties protected
- No community amenities created
- No additional open space provided
- No bio-habitat mitigation or restoration
- Not aligned with Green Space Vision Plan
- Construction/implementation less costly
- Some short term impacts due to construction / interventions
- Water access maintained for most parcels

- More properties protected from sea level rise
- More community amenities created
- More open space created
- More bio-habitat mitigation or restoration
- Aligns with Green Space Vision Plan
- Construction/implementation more costly
- More short term impacts due to construction / interventions
- Water access will shift for some parcels

These sea level rise adaptation concepts have been developed based on ACE 2017 report, South Park Vision Plan and hybrid alternatives based on city stakeholder engagement. These have been developed for planning purposes, for continued stakeholder dialogue and to develop a funding strategy for incremental adaptation to our changing climate over time. The exact location, shape and size of interventions will be determined at the time of design and construction in the future.

Duwamish Valley Action Plan (DVAP Phase 1)

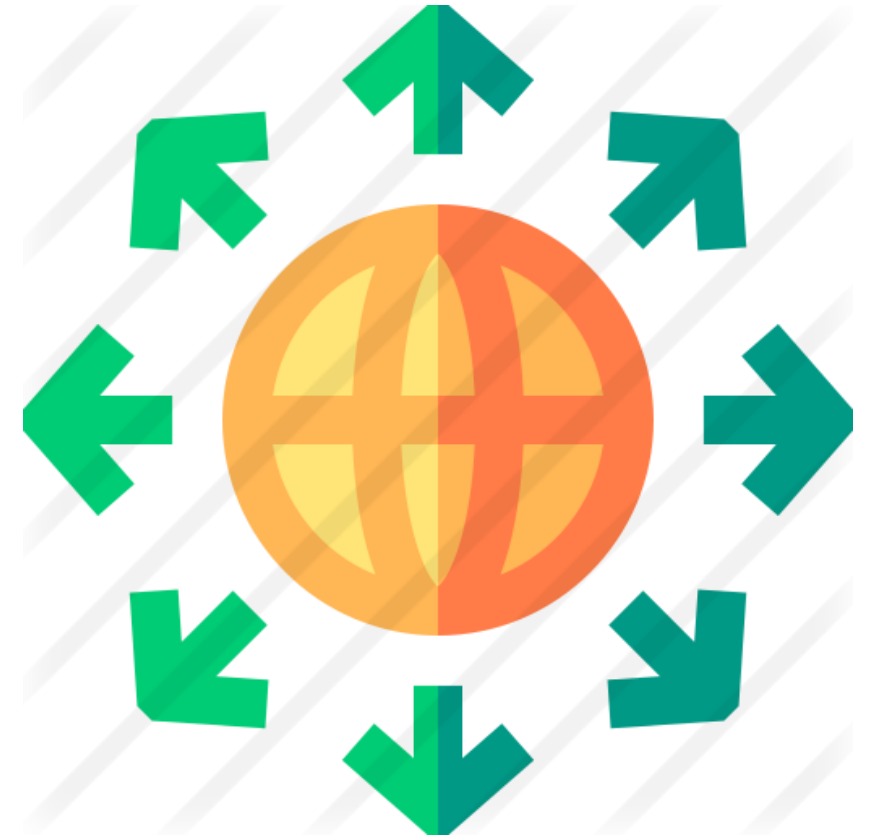


In June 2018, the City released a shared vision to promote collaboration and guide the City's work and investments in the Duwamish Valley in years to come.

Duwamish Valley Program 2.0

Expanding and Deepening our Work :

- **Partners**: City family + community stakeholders + other agencies + philanthropy + others
- **Geography**: Residential + industrial areas + Duwamish Longhouse & Cultural Center.
- **Investment**: Hundreds of millions of dollars.
- **Issues & Opportunities**: “Upstream” solutions.



Climate & Community Resilience

November 2020: Robert Wood Johnson Foundation* awarded the City's Duwamish Valley Program a **\$600,000, 2.5-year grant to implement the Resilience District vision.**

**RWJF aims to bring the most impactful ideas from across the globe to U.S. cities to address the intertwined issues of health, equity, and climate change through six projects funded through this initiative.*



Why a Resilience District?



Climate Change Adaptation

- Align Investment to Need
- Establish Development Framework

- Secure Sustainable Funding
- Equitably Distribute Benefits
- Do Deals

Community Wealth Building



- Fight Displacement
- Share Decision-Making
- Establish and Hold Partnerships
- Deploy EJ & ED Investments



Community Stabilizing

Place-based, geographic strategy & designation

A Resilience District equips community to marshal their assets to address systemic vulnerabilities / inequities, many of which have been thrust into the spotlight during the COVID-19 pandemic.

Thriving in Place



CURRENT ACTIONS

Thriving in Place

1. Affordable Housing
2. Weatherization, Air Quality & Heat
3. Drainage & Water Quality
4. Open Space
5. Community Spaces

Climate Change

6. SPU Investments

Economic Opportunity

7. Duwamish River Community Hub
8. Only in Seattle
9. COVID Grants

Thriving in Place In Place

- HALA (MHA, tenant protections)
- Community Preference Policy
- Religious Institution Zoning

Under Consideration

- Equitable Zoning Overlay

Opportunities

- Inclusionary Zoning / Tax Policy
- Renter and Owner Protections
- Community Land Trusts

Climate Adaptation In Place

- Multi-Hazard Plan
- Draft SLR Vision

Under Consideration

- Scenario Planning

Opportunities

- BRIC – Preliminary Design
- Value Capture
- Industrial Incubator Land Trust

Economic Opportunity In Place

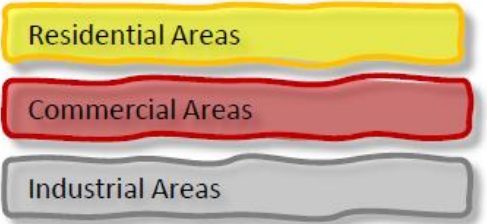
- Priority Hire / CWA

Under Consideration

- Workforce Development
- Public Private Partnerships

Opportunities

- Local Workforce Training
- Affordable Business Land Trust



The Journey



RWJF Grant Work

Advance Elements of the Resilience District

Place-based, geographic strategy & designation

1. Organizational Infrastructure

- Community voices coordination
- Cross-sector collaboration
- Community entity

2. Physical Infrastructure

- Sea level rise adaptation strategy
- Mitigation: SPWQF, SP Pump Station, drainage
- Adaptation: sea wall, berm, etc.

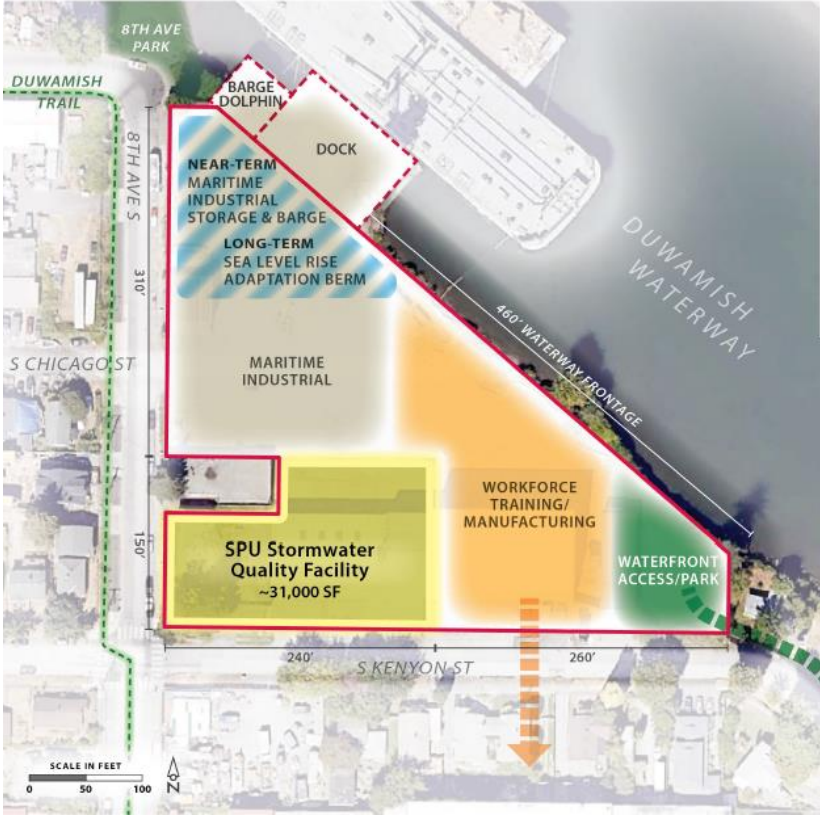
3. Financial Infrastructure

- Value capture mechanisms
- Equitable investment tools



South Park Water Quality Facility Co-Development

- Scenario 1: SPU Property Ownership/Clean-up + Public Co-Development (Small WQF)



- Scenario 2: SPU Property Ownership/Clean-up + Public Co-Development (Large WQF)



Discussion



A group of people in a colorful canoe on a body of water, with industrial buildings and a barge in the background. The scene is bright and sunny, suggesting a recreational activity in an urban waterfront area.

**A resilient Duwamish Valley for
local people and businesses**

Thank you!

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ann.grodnik-nagle@seattle.gov

SPU's Role: Advocates and Partners for Place Keeping

Supporting community capacity building, organizing, and unique voice

Advocating to put key tools and partners in place

- Public/community land ownership
- Affordable housing
- Zoning/land use regulations
- Value capture mechanisms

Right timing for right utility investments



SPU Waste Prevention Initiatives

SPU Customer Review Panel Presentation
September 13, 2021

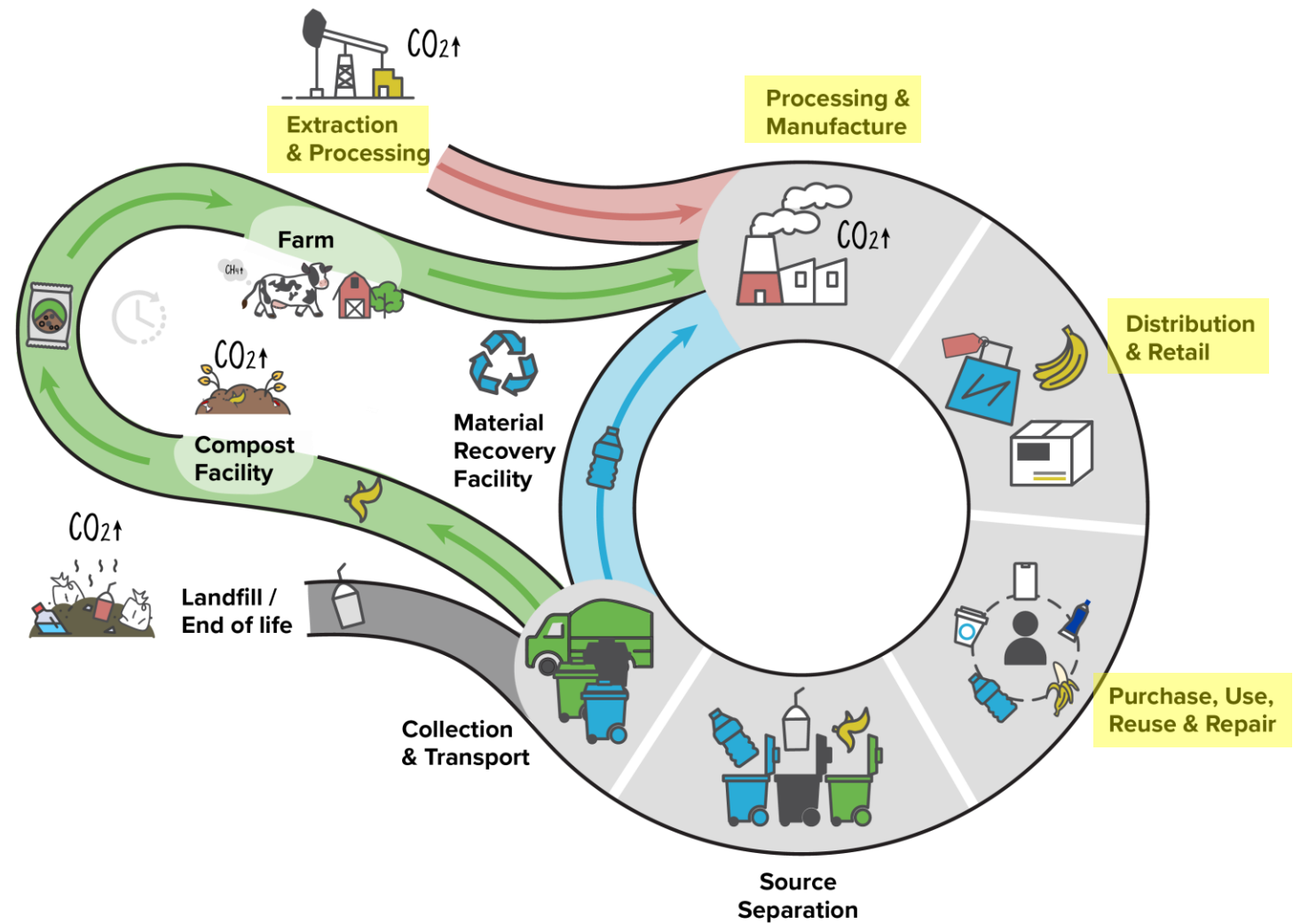
What is Waste Prevention?

- Buying only what you need
- Making and buying products that last longer and can be reused and repaired
- Choosing repair and reuse
- Sharing, donating, or re-selling items so others can use them
- Choosing to buy used or surplus items



Why prioritize Waste Prevention?

- Reduce greenhouse gas emissions
- Reduce pollution
- Conserve natural resources
- Save our customers money
- Reduce strain on waste management infrastructure



**SBP Focus On:
Stewarding
Environment & Health
Strategy 3-Reduce
materials and carbon
pollution**

Leverage partnerships to prevent waste

Reduce the volume of single-use plastics

Respond to changing recycling markets

Reuse Seattle

- Pilot to establish shared reuse infrastructure for reusable food, beverage and consumer product containers
- Researching opportunities to help businesses transition to reusables onsite



Food Rescue

Grocery food rescue assessment, partnering with PCC Community Markets and Safeway Seattle stores to assess how their donation systems can be improved

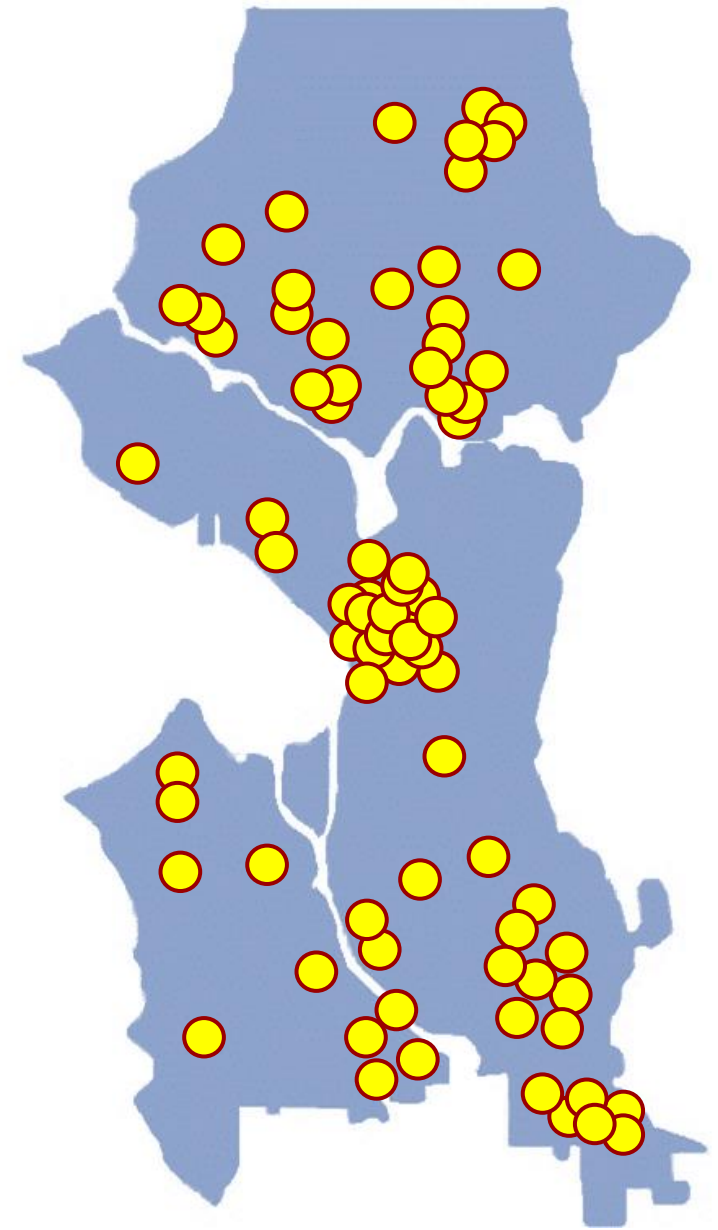
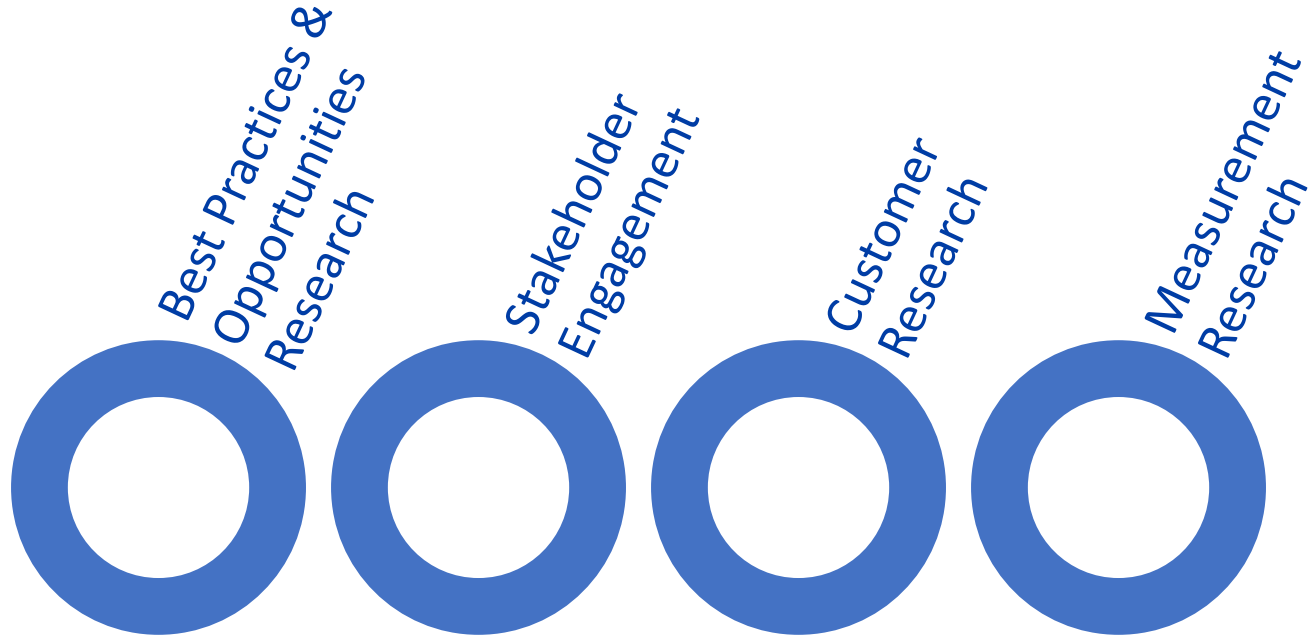


Waste-Free Community Grants

- 4 grant cycles (2018-2023)
- 89 applications
- \$566,500 awarded
- 36 grant awards total (21 new/in progress)
- Consumer food waste prevention, food rescue, single-use plastics, textile upcycling and reuse, repair, youth education, lumber salvage, diapers, business prevention and reuse



Waste Prevention Planning



Ways to Engage in Planning Efforts

- Website
- Listserv
- Stakeholder Engagement





Looking Ahead for Waste Prevention (2021-2026)

- **Put research recommendations into action (2022+):** reuse infrastructure, commercial onsite reusables, food rescue
- **Continue supporting grant projects:** current awards (2021-23), next grant cycle (2023-25)
- **Community outreach campaigns (2021-22):** consumer food waste prevention media campaign, State bag ban education for businesses
- **Strategic planning:** research and recommendations (2022-23), planning for priority programs and policies (2024-26)



Veronica Fincher

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Seattle Public Utilities

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Partnership Perspective & Dialogue

Presenters: Ming-Ming Tung-Edelman, Moji Igun



City of Seattle