

# Hand Hygiene CBA Update

Select Committee on Homelessness Strategies and Investments  
May 6, 2021

Mami Hara, CEO/General Manager, Seattle Public Utilities  
Andrés Mantilla, Director, Department of Neighborhoods



**City of Seattle**

# City Council Directive

City Council included \$100,000 in the 2021 SPU Budget to develop a publicly-accessible street sink program, **“In order to increase access to hygiene and handwashing facilities for all residents in need of services”**

SPU was directed to:

- Develop a grant-style program for funding distribution
- Provide technical assistance to potential applicants on the challenges associated with developing street sinks

SPU also worked with Council to:

- Pilot grant as an idea/innovation challenge with a strong evaluation component
- Add \$50,000 in SPU funding to address food rescue, materials management
- Allow flexibility/opportunity for possible drinking water proposals





## Mutual Aid

*"A system of pooling together resources and providing supplies, food and organizing powers in response to a crisis."*

*Dean Spade, Seattle University Professor*



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# Effort Milestones



# Innovation Program Focus



Seeking small-scale and rapid innovations in various settings



Looking for low-cost and most efficient solutions



SPU will provide metrics for each innovation area to use for evaluation purposes



Hope for long-term impacts from this work

# Hand Hygiene Solutions

## Problem Definition

People experiencing homelessness may lack access to options to keep hands clean and prevent the spread of disease.

## Range of innovation possibilities

- No running water available – camp tubs, sanitation kits
- Running water available – sink models



# Hand Sink Technical Challenges

	Considerations & Challenges	Regulatory Authority
<b>Water Source</b>	<ul style="list-style-type: none"> <li>• Source water should be potable and avoid cross contamination with non-potable sources</li> <li>• Continuous supply</li> <li>• Freeze protection</li> <li>• Adequate flow / volume for need</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Seattle Plumbing Code, 602.2, Cross-Contamination</a></li> </ul>
<b>Greywater</b>	<ul style="list-style-type: none"> <li>• Discharge to the sanitary or combined sewer system</li> <li>• Avoid human and vector contact (including possibility of consumption) with greywater or contaminated surfaces / materials</li> </ul>	<ul style="list-style-type: none"> <li>• Washington Department of Health, <a href="#">WAC-246-274-011</a></li> <li>• <a href="#">Seattle Plumbing Code</a></li> </ul>
<b>Accessibility</b>	<ul style="list-style-type: none"> <li>• New facilities must be ADA compliant</li> <li>• Access routes must be clear of obstructions, on firm, smooth surfaces, and the proper grade.</li> <li>• Not flooded with greywater</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Americans with Disabilities Act, Section 201.3 Temporary and Permanent Structures; Section 213 Toilet and Bathing Facilities; Exception 3</a></li> <li>• Chapter 3, Building Blocks, Sections 302, 303, 308, 309</li> </ul>
<b>Durability and Location</b>	<ul style="list-style-type: none"> <li>• Expect high levels of vandalism</li> <li>• Models should be durable against cutting, fire, breakage, theft; easy and inexpensive to repair; resistant to intentional contamination, particularly water supply</li> <li>• Locations should be open, public, monitorable and well-lit, not create hazards (tripping)</li> <li>• Plan for removal after funding period ends</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Americans with Disabilities Act, Section 305 Clear Floor or Ground Space</a></li> <li>• <a href="#">Seattle Plumbing Code, 601.3, Identification of a Potable and Non-Potable System</a></li> </ul>
<b>Maintenance</b>	<ul style="list-style-type: none"> <li>• Likely highest cost</li> <li>• How and who will perform?</li> <li>• Short-term vs long-term commitment?</li> <li>• Must consider the total life-cycle cost</li> </ul>	

# Waste Prevention Solutions

## Problem Definition

The City has seen an increase in food insecurity, litter, illegal dumping, and trash remediation since the start of the pandemic.

## Range of innovation possibilities

- Focused on food rescue and other materials, including litter
- Sharing, reusing, repairing, repurposing interventions





# SPU & DON

- Effort part of an ongoing, larger partnership between the two departments
- DON contributions to grant development and community engagement efforts
- Ongoing technical assistance to partners interested in this work, including informational webinar on April 22



# Thank You!

For more information or questions:

- Contact **Kate Morrison**
- [Catherine.Morrison@seattle.gov](mailto:Catherine.Morrison@seattle.gov)



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## Additional Information: Other City Efforts

- Similar efforts around the country are addressing hand hygiene needs, including in Atlanta, Denver, and Houston
- Face similar challenges in meeting greywater and accessibility requirements
- Successful sinks efforts:
  - Partner with faith and community-based organizations as hosts
  - Independent and community-driven fundraising
  - Strong volunteer support

