

v2_SWWI Application/Draft - Seattle Makers Municipal Hygiene Station & Creative Brief

Exec Summary

The Municipal Hygiene Station is meant to be a safe destination for any civilian to visit and wash. The SeattleMakers team proposes that the stations be placed in areas of the city that are home to folks living on the street and anywhere that is deemed OK by the City of Seattle. Access to a Municipal Hygiene Station can improve the quality of life for any person in the community and may be even more impactful to folks who do not have consistent access to clean water and soap. SeattleMakers would like to partner with SWWI to install 30+ Municipal Hygiene Stations for communities experiencing homelessness throughout King county. The stations will be serviced as needed. Services visits may eventually be triggered by a message sent over the city wireless network when water levels are low. In order to build, test, decorate and deploy the stations Seattle Makers and their partners estimate costs around \$65,000 for initial testing and deployment.

Project Team

The team will be made up of volunteers from the SeattleMakers community. We have years of experience building structures, art works, personal protective equipment and everything in between. There has never been a better time than now to leverage increased awareness of the need for public hygiene solutions and the SeattleMakers team has been working on a solution for over a year already. We are an agile team of try hards and do gooders.

Seattle Makers Mission

- Obliterating barriers to learning, experimenting, creating, and inventing.
- Being an inviting, welcoming, comfortable, and safe space for people to show up as their full, unlimited selves.
- Consistently producing high-end products, events, and experiences.
- Sharing our failures, discoveries, and triumphs.
- Purposefully seeking out growth opportunities, leadership, advisers, instructors, and collaborators with diverse experiences and perspectives.

Seattle Makers Values

Love & Connection

Welcoming, Respect, Authenticity

Curiosity & Exploration

Daring, Challenge

Learning by Doing

Mastery, Action, Satisfaction

Play

Irreverence, Outrageousness, Youth

Listening

Unflappability, Compassion, Acknowledgement, Appreciation, Awareness

Equity & Contribution

Sharing, Openness, Impact, Relationships, Accessibility, Activation

Effectiveness & Reliability

Structure, Consistency, Responsibility, Ethics

Health & Harmony

Holistic, Work/life Balance

Potential Partners

City of Seattle

- Funding, Logistics, Applications, Permits, Network

Reach

- Community Representatives

SeattleMakers

- Design, Project Management, Procurement, Testing, Deployment, Ad-Hoc Servicing

Cammeck Equipment

- Fabrication

Hazard Factory

- Fabrication, Apprenticeship

All City Metal

- Fabrication

Artist Partners

The artist team will be selected once we have established a timeline for the fabrication and deployment of the stations. We hope there will be approximately \$10,000 available for up to 5 artists to share. These costs will be for materials, design and deployment. We are in talks with individual artists in the Seattle scene as well as community leaders within the City of Seattle Arts and the Delridge Community Center.

Fabrication

This may take place at multiple sites. We hope to be able to place and order for at least 30 Municipal Hygiene Station builds to our fabrication partner teams. The CAD files and design notes will be used to facilitate and streamline the mass production process for the whole project. There may be some agile cycle iteration as the project completes its early rounds of builds. We will adjust design when appropriate and note that there may be more efficiencies to be found during the process but we hope to send a 'ready to fab' design with appropriate technical documentation for rapid and uniform builds. One addition to the prototype will be a drainage hole on the bottom of the station. This will serve as an easy drain out for the grey water that is captured by the drainage plate. We are also planning to attach eye bolts to the structure to allow for easy pick up and transport via a boom truck.

Accessibility

The SeattleMakers team has worked with Joy Jacobson of ADA Built Environments Compliance, Purchasing and Contracting at the Department of Finance and Administrative Services to review the station for ADA compliance. We received a positive review confirming that the latest prototype satisfied ADA requirements. We welcome another review of the design to ensure it is ADA compliant as we work towards bulk production.

Water Sourcing

Water will be sourced from city hose outs or SeattleMakers hose spigot. Chlorine tablets will be used to decrease the chance of water borne disease spreading from the station tanks.

Deployment & Maintenance

The SeattleMakers community may be able to provide a vehicle to support the initial test deployments for the stations. The goal is to find a service and maintenance partner that could manage the cleaning, refilling and re-deployment of stations on an as needed basis. There are stage two plans to enable network connectivity to support monitoring water levels and uses per day through a LoRa network available within the metro area of Seattle. The operating life of these galvanized steel stations could be over 10 years if they are cared for and repaired when damaged. Water discharge will be taken care of by the maintenance team. The grey water will be collected on site and either discharged into a nearby by combined sewer system or transported to an easy discharge point near the station site. The stations will be built with steel which could be up-cycled at the end of useful life into new stations, art installations or donated to local welding shops for apprentices to work with.

Data

The initial data feed might be a combination of qualitative feedback from contextual interviews and passive observation of station usage and station environment. Stage 2 could bring network connectivity, real time water level recording and reporting and water button usage totals with time stamps. Stage 3 could be a comparative friendly data lake of local crime rates, individual homeless community member successful transition rates, and stratified polling of communities near and around stations.

Outcomes

- Access to hygiene stations is shown to help stabilize folks who are experiencing homelessness
- Reduction in illness in communities experiencing homelessness
- Municipal Hygiene Stations become the foundations of safe spaces in the Seattle metro area
- All people in Seattle build community around these stations

Vision

This project hopes to meet the community where they are. We hope to provide maximum coverage by deploying at least 30 Municipal Hygiene Stations across several City of Seattle Council Districts. Our conversations with professionals who work with these communities day to day have informed us of challenges and opportunities. Hygiene is a stabilizing factor for clients, city enforced encampment clearing is a relatively opaque and difficult to predict schedule. There is potential for these hygiene stations to provide a safe and equitable community access point for potable water, conversation and acceptance. We can all help make sure that no person living in Seattle goes a day without access to clean running water in a safe public space.

-

Municipal Hygiene Station - Creative Brief

About

The Municipal Hygiene Station is meant to be a safe destination for any civilian to visit and wash. The SeattleMakers team proposes that the stations be placed in areas of the city that are home to folks living on the street and anywhere that is deemed OK by the City of Seattle. Access to a Municipal Hygiene Station can improve the quality of life for any person in the community and may be even more impactful to folks who do not have consistent access to clean water and soap. SeattleMakers would like to partner with SWWI to install 30+ Municipal Hygiene Stations for communities experiencing homelessness throughout King county. The

stations will be serviced as needed. Services visits may eventually be triggered by a message sent over the city wireless network when water levels are low. In order to build, test, decorate and deploy the stations Seattle Makers and their partners estimate costs around \$65,000 for initial testing and deployment.

Budget Goal

The SeattleMakers team would like to set \$10,000 aside to pay for Artist(s) design time, materials and application labor.

The Canvas

A steel cube with a long nozzle, control cylinder and drain pan



The Theme

Stabilizing community experience

Suggested Artists Proposal Process

- Initiate your creative process
- Build more than one concept
- Compile your concepts and submit digitally; include a written statement of approximately 200 words describing your thought process.