

City Sanitation Station

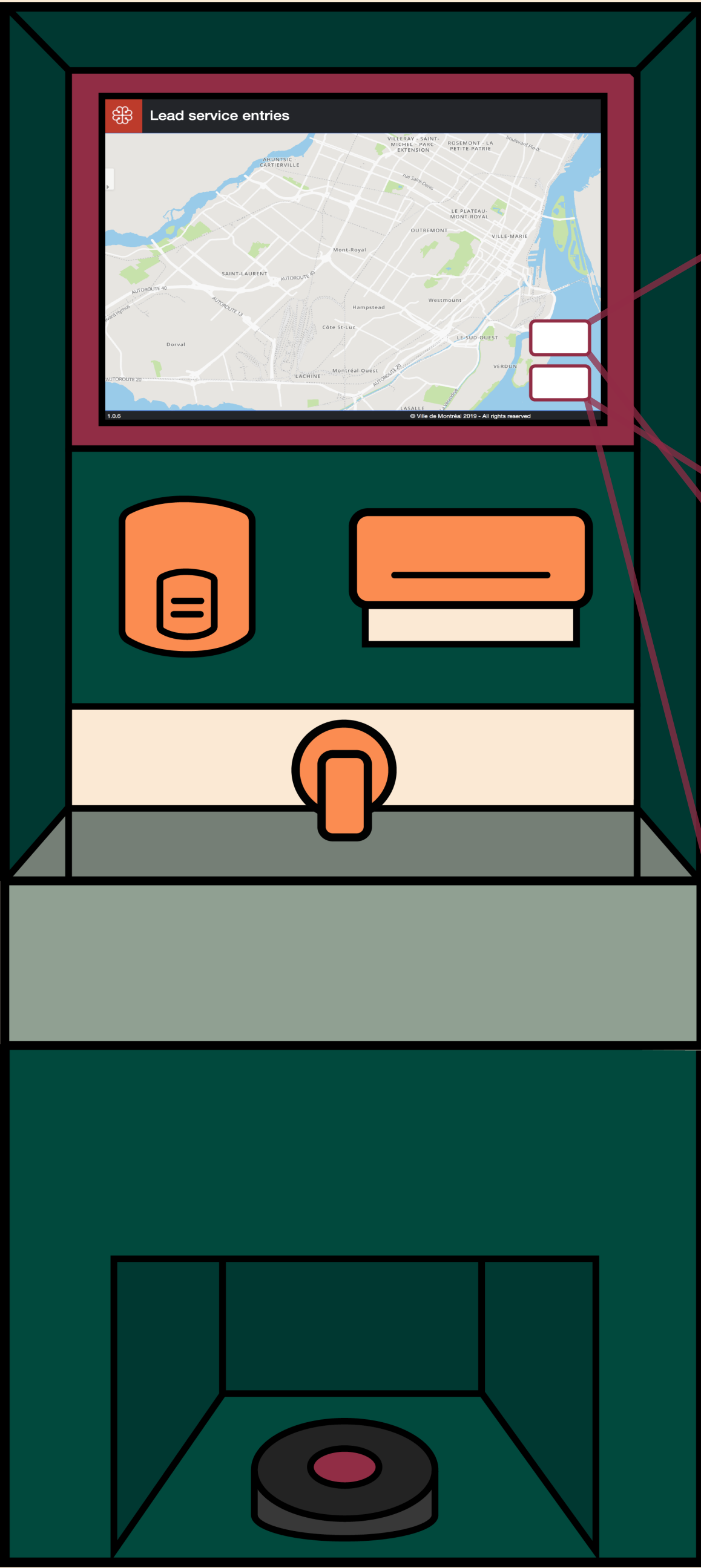
Using the City of Montreal's open data to inform the public of **lead affected piping** in their area

What is it?

A **modular public sanitation station** that can be placed alongside busy public areas. Businesses may also purchase one, or multiple, to place within their establishment. Each station features a touchscreen, so while the user is washing their hands, they can view an **interactive map of Montreal's lead affected areas**. A sidebar on the screen allows access to two other pages; 1) a list of preventative actions they may take and the city is taking, and 2) an optional short survey where civilians may input their opinion on what they believe is the best solution. **Survey data is recorded for the city to benefit their progress in improving water quality in Montreal.**

How does it work?

Each sanitation station is equipped with its own screen, soap dispenser, paper towel holder, sink and foot pump, all enclosed within an outer shell made of recycled plastic. The screen can run on either **solar or electric energy** and is set back within the outer shell to shield it from weather. Within the shell, each station has an **individual water tank and sanitation system** that collects used water, sanitizes it, pumps it back into the faucet with a user-operated foot pump. Both the water and power systems can **run independently or become modular** for efficient use in heavily populated areas.



Did you know?

In the fall of 2019, the City of Montréal made a commitment to replace all lead service lines by 2030.

Infants, children under the age of 6, and pregnant women are the most vulnerable people to the effects of lead.

Temporary Protection:

Before drinking tap water, let it run for a few minutes so fresh water can pass through the pipes.

Use a water filter at home for your tap water.

Check in with your landlord or with Hydro-Québec directly to see what can be done about any lead piping.

Optional Survey:

Did you know about the lead pipes in Montréal?

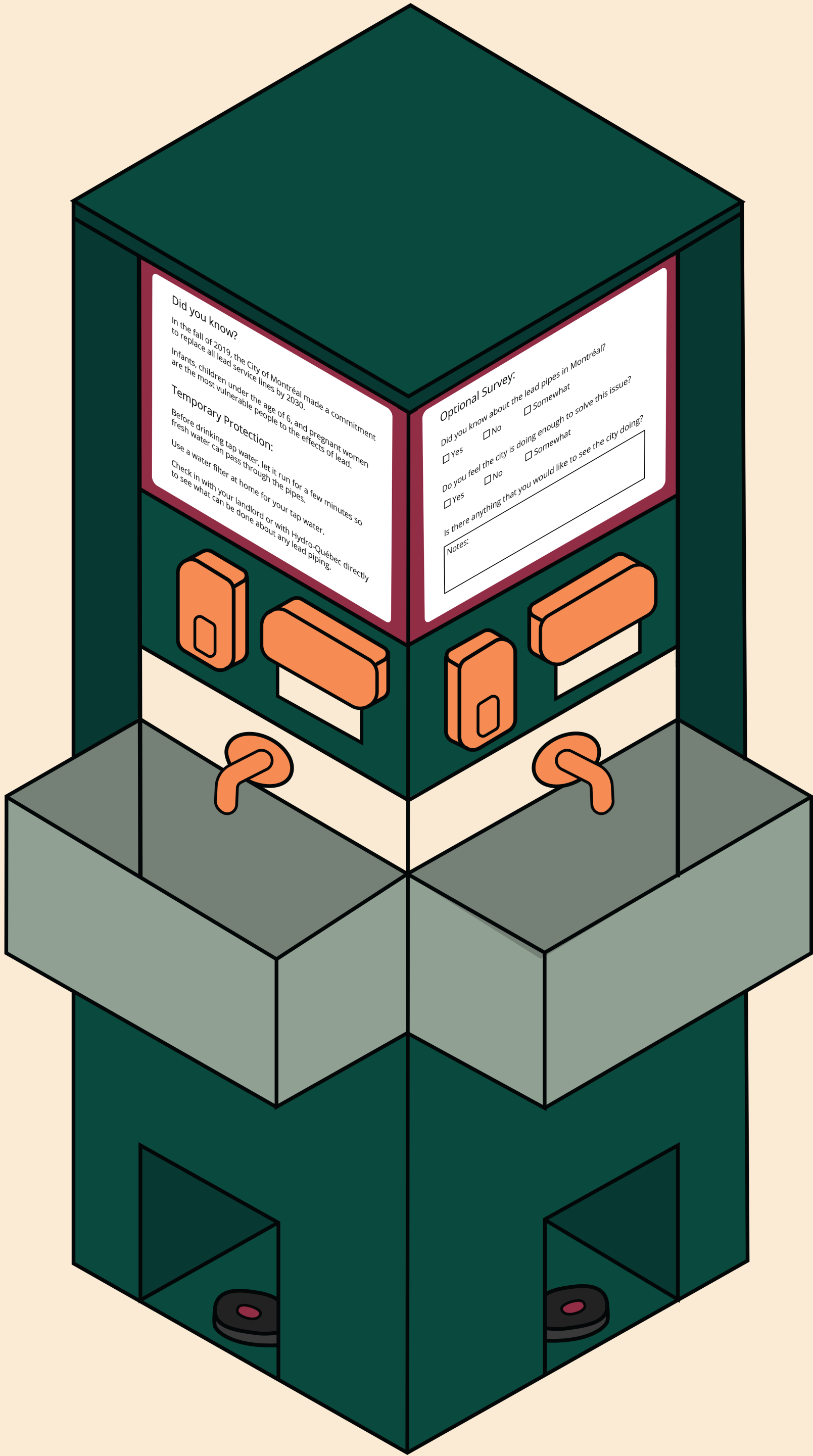
☐ Yes ☐ No ☐ Somewhat

Do you feel the city is doing enough to solve this issue?

☐ Yes ☐ No ☐ Somewhat

Is there anything that you would like to see the city doing?

Notes:



How is it new and distinctive?

With the changes that the COVID-19 pandemic has brought, it's crucial that the City of Montreal adjusts our city's practices accordingly. With an increase of sanitation stations, Montreal could actively create an **effective way to encourage people to exercise important hygienic practices**. What better way to inform the public on the city's open-source data than with a **synergistic project that combines both important information with an essential service**.

What will the outcomes be?

After this project is put into action, an increase in public hand-washing will surely be observed due to the accessibility of these stations. The citizens of Montreal will also be **more informed** on potential lead affectation in their homes and places of work. The stations will be an efficient and effective way to notify the community since **everyone will have access to them**. The interactive survey feature will create an environment for people to **feel heard and involved with their city and the issues that impact them**. With the installation of the stations, citizens will be able to become **more in touch with their city and what goes on within it**.

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