



Engineering Division Update

June 9, 2020

Dave Wagner

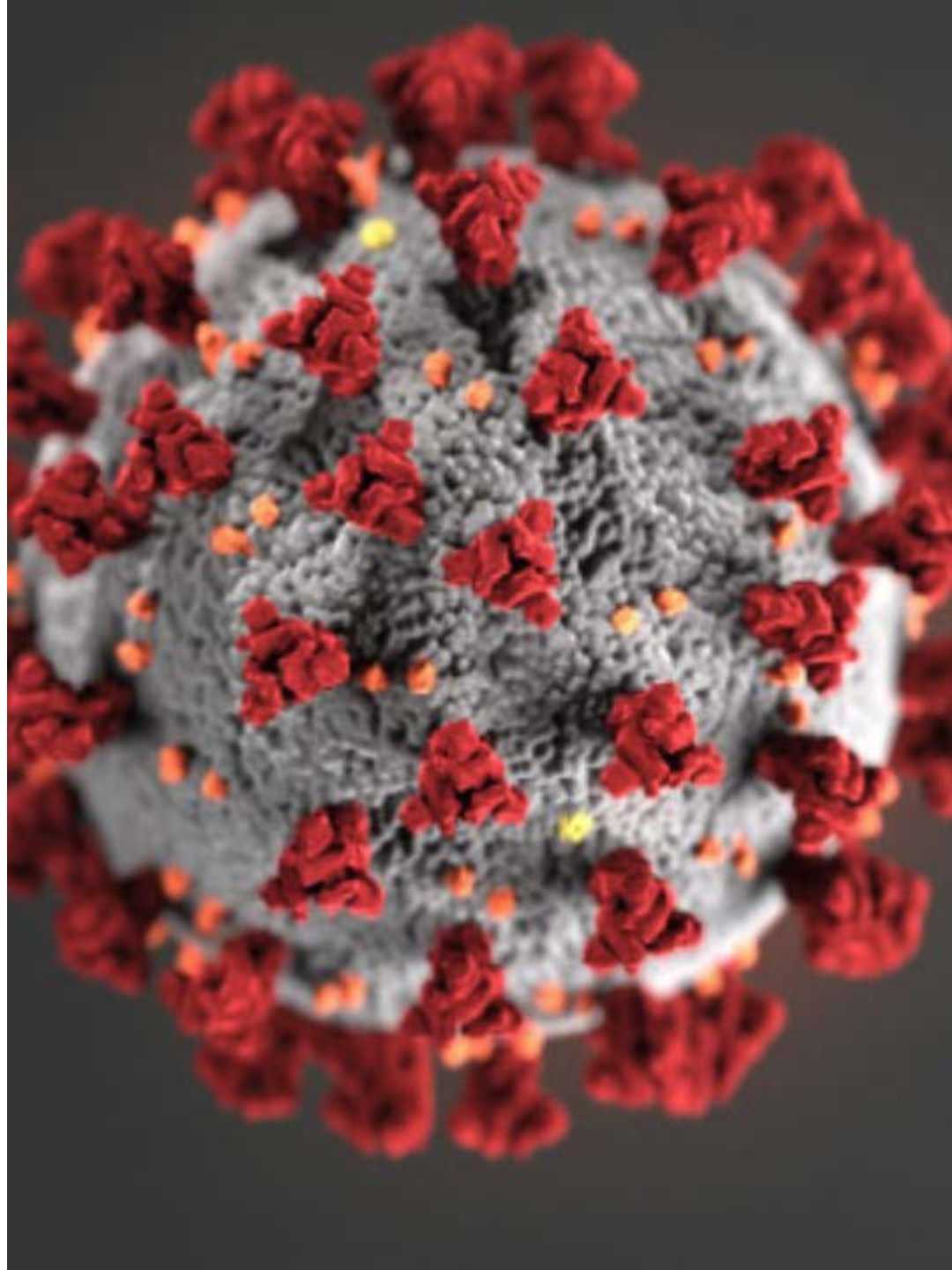
Engineering Division Manager

Engineering Update Agenda

- Changes due to Covid 19
- Water main construction program – public communication & capital investment
- Lead service line replacement: present & future
- New policies under consideration
- Highland Tower

Changes in Engineering & Construction due to Covid-19

- Administration building & engineering service desk is closed to the public
- Plumbing Inspection - limited entry into occupied residential homes
- Water main construction program changes

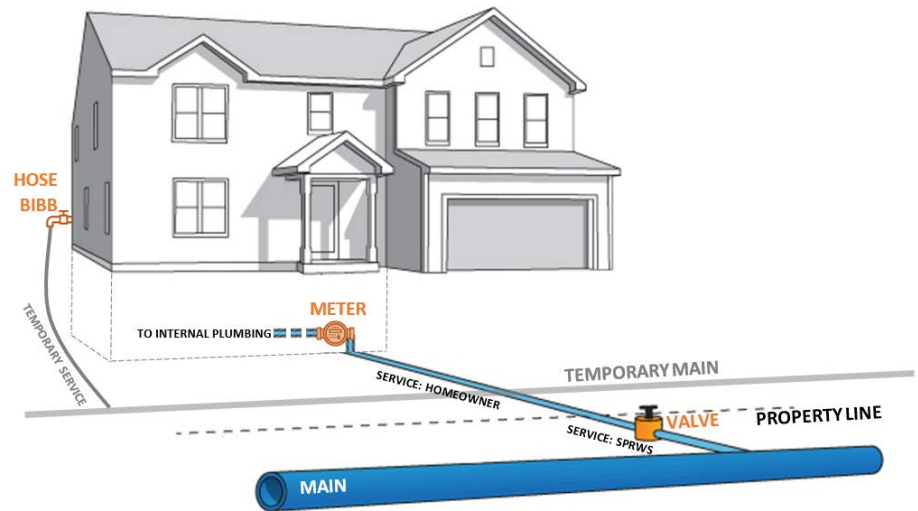




Changes in Water Main Construction due to Covid-19

- Three new methods of construction being done in 2020
- Limiting public interaction on water main construction projects

Changes in Water Main Construction



Improving Customer Outreach

New

E-Mail Updates on Construction Projects



Water Construction Update

May 15, 2020

Water Construction Projects

SPRWS is early in the construction season. Many projects are yet to begin.

Currently, the [Winthrop Street](#) project is the only one with active work taking place.

[SPRWS Project Map](#)

To find information on a project, either click a highlighted project area on the map linked above or select from the options below.

2020 Construction Projects

[9th Street West](#)

Start dates TBD.

[10th Street](#)

Tentatively scheduled to start late June or early July.

Contact Information:

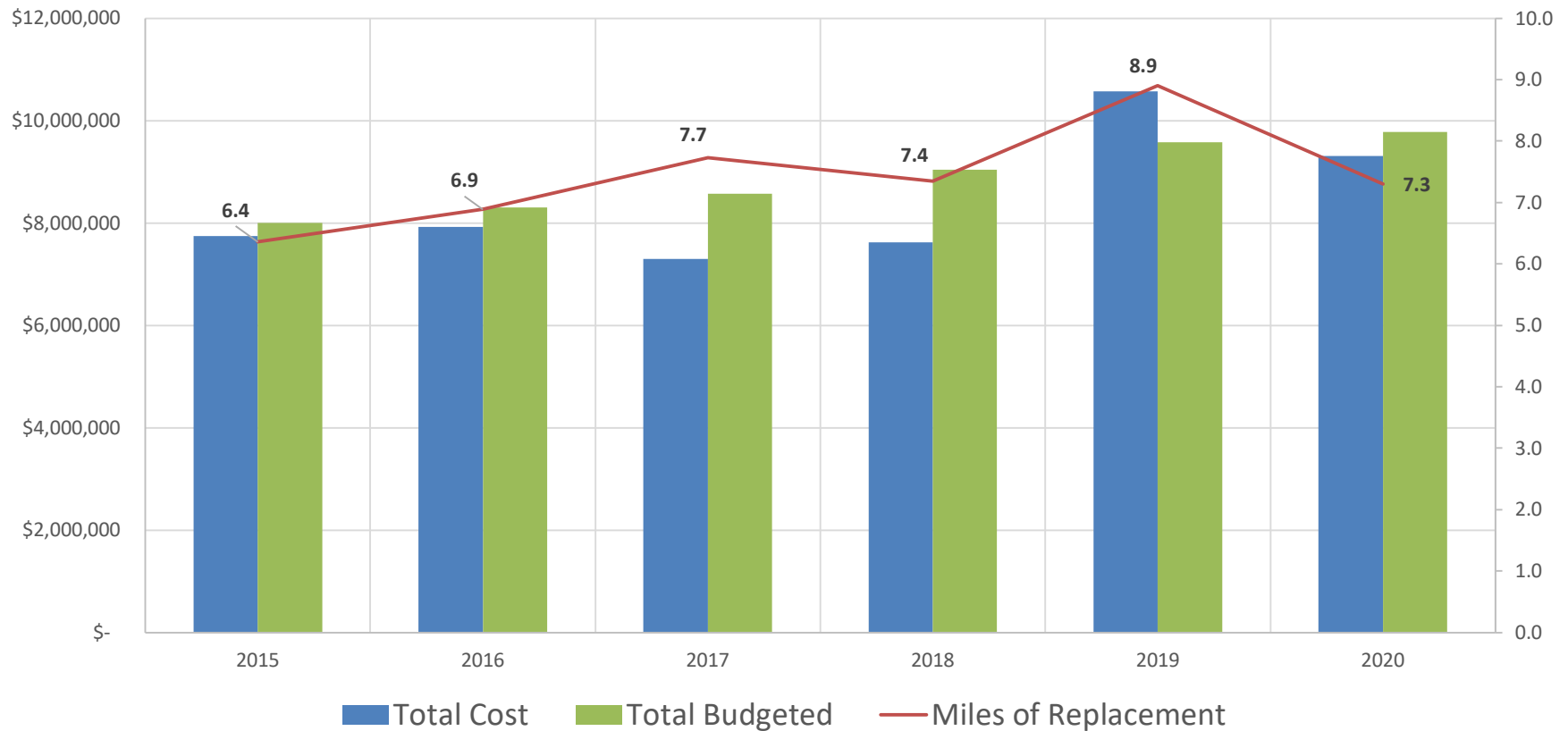
A project engineer serves as the contact person for each construction site. Click on the link to the area where construction is taking place to reach that person.

More information:

<https://www.stpaul.gov/departments/water-services/water-construction-project>

Capital Investment & Distribution Infrastructure

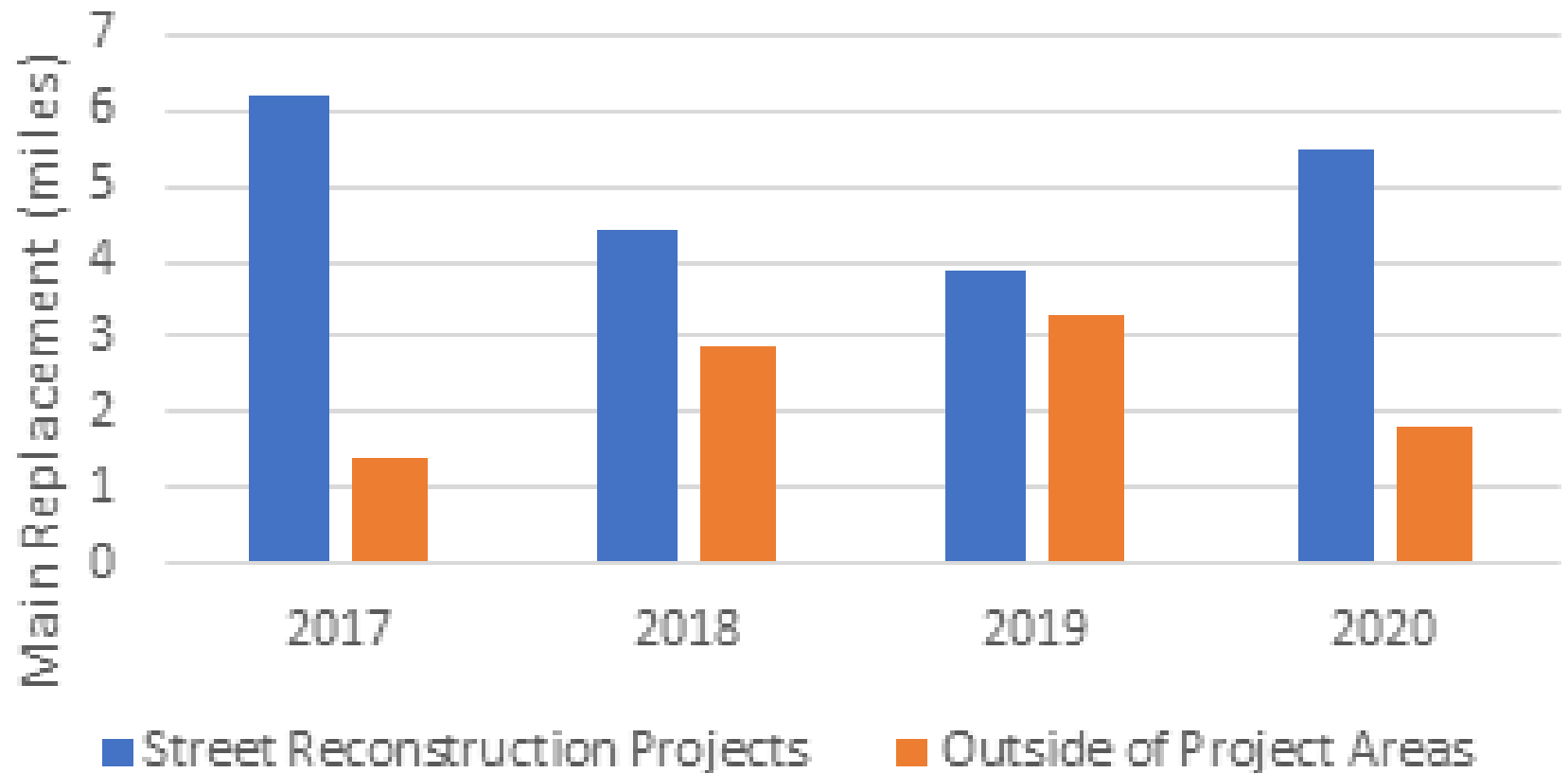
Water Main Replacement Summary



Replacement Rate: 150 Years

Balancing Priority Water Mains with Street Reconstruction

Main Replacement By Location





Current lead Service Line Replacement Rate

- \$2M Annual Budget
- Allows for approximately 400 replacements in the ROW annually
- Current rate of funding will require 30 years to eliminate lead services in the ROW.
- A significant amount of lead services remain in private property



Future Changes & the EPA's Proposed Lead & Copper Rule



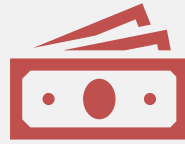


Lead Service Line Inventory

12,000 Lead services in the ROW
29,000 Lead services estimated
to be inside private property



Homeowner Lead Replacement



\$250K State grant for
homeowner
replacements



On average: 150
homeowner lead
replacements/year



Pays for ½ cost of
private side of lead
service replacement



Proposed SPRWS Policies Under Consideration

- **Lead Services** - A new policy is being developed which would require plumbing contractors to install private property lead service lines to the water shut-off valve in the boulevard.
- **Inactive Services** - A second policy is being considered that would require the replacement of lead water services and cast iron water services which have been inactive (meter removed from property) for a specific time period.



Water Treatment Plant Project

*Building tomorrow's
infrastructure*

- Statements of Qualifications review for DB firms in progress.
- Historical Assessment is wrapping up



Highland Tower Improvements

Rehabilitation project is underway

\$250K Historical preservation grant received

Project Cost: \$535K

Questions?

