

# **2020 DWRF Project Plan Kalamazoo, Cooper and Parchment**

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# 2020 DWRF Project Plan

- Kalamazoo Eastside and Kalamazoo Township, lead service line replacements
- Cooper Township, water main extensions
- Parchment, Glendale water main replacement

# 2020 DWRF Project Plan

- Drinking Water Revolving Loan Fund (DWRF)
  - Federal dollars administered at the state level
  - Michigan Department of Environmental Quality (MDEQ)
  - Low interest loan
  - Principal forgiveness opportunity

# 2020 DWRF Project Plan

- DWRF Project Plans
  - MDEQ accepts applications as “project plans”
  - Project plans are reviewed and scored
  - Project plans are ranked based on scoring
  - MDEQ awards project plans to communities based on ranking

# 2020 DWRF Project Plan

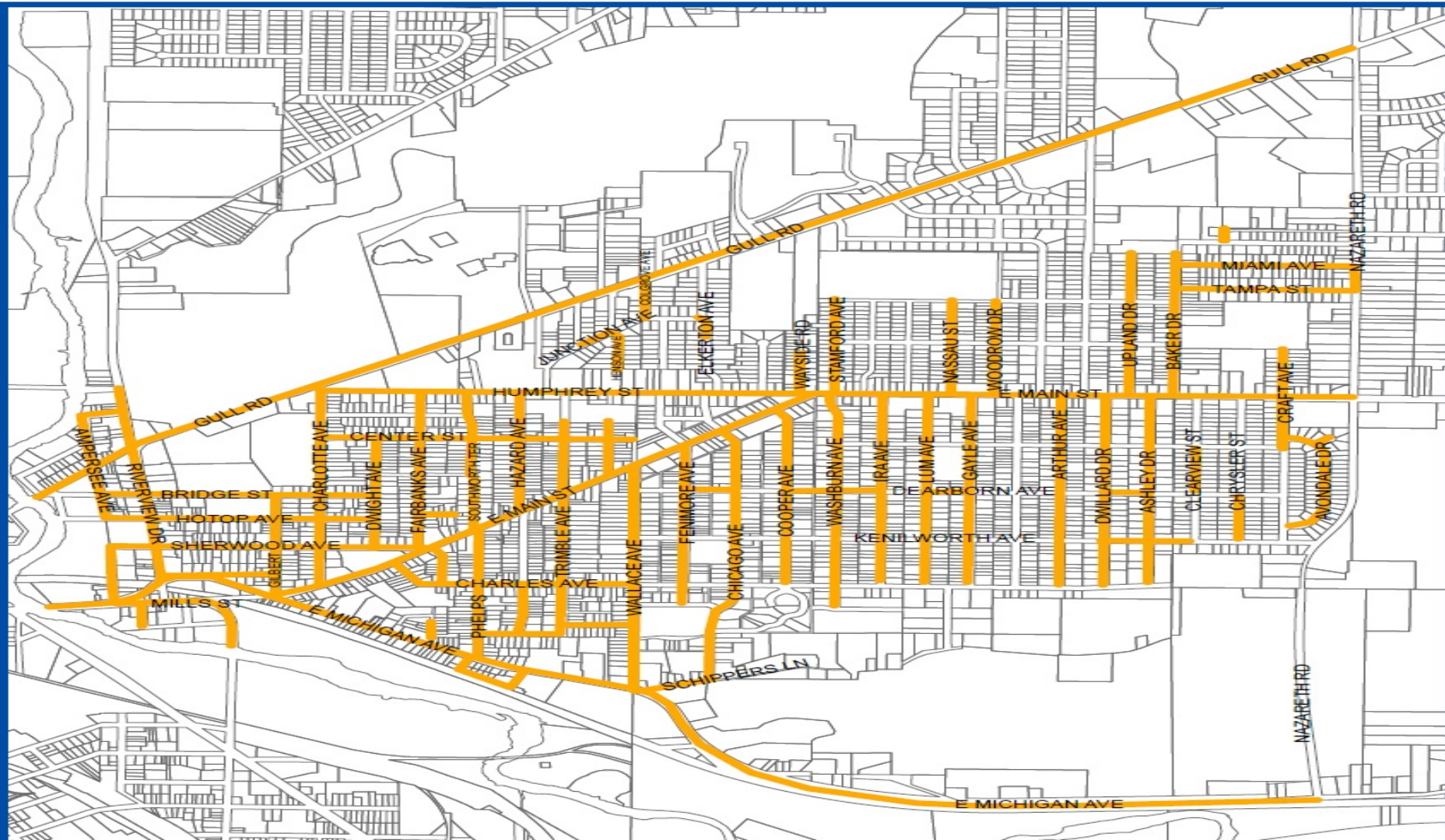
- Project plan timeline
  - January 2019 Notice of Intent issued
  - 4/9/2019 Public Meeting
  - 4/15/2019 Kalamazoo City Commission to vote on a resolution to approve project plan
  - 4/30/2019 Project plan submittal to MDEQ

# 2020 DWRF Project Plan

- Project plan timeline
  - August 2019 anticipated MDEQ Determination of Ranking
  - April 2020 anticipated start of work
  - Work duration April through December 2020 (anticipated)

# Kalamazoo Lead Service Line Replacements

- Project Scope
  - Replace approximately **1,350** lead service lines in Eastside (K-City) and Eastwood (K-Township)
  - New copper service from water meter (in house) to water main (in street)
  - \$9.5 million





# Kalamazoo Lead Service Line Replacements

- Project scope
  - Lead street side/Lead yard side
  - Copper street side/Lead yard side
  - Lead street side/Copper yard side
  - Any material/any material
  - **Will all become Copper street side/Copper yard side**

# Kalamazoo Lead Service Line Replacements

- Project Funding
  - \$6,000 average total cost per parcel direct assessment
  - **Special Assessment Districts – Illegal for Lead Services**
  - Utility asset cost
  - Included in Capital Improvement Program (CIP)

# Kalamazoo Lead Service Line Replacements

- Project Funding
  - Water CIP is rate funded by *All* system users
  - Direct rate costs = approximately 3.72% increase
  - **No actual rate impact at this time (2019)**
  - To be figured in with all other CIP projects and rate determinations for 2020

# Kalamazoo Lead Service Line Replacements

- Impacts of Work
  - Approximately 12 hours without water
  - Most completed without disruption of lawn
  - Excavation at curb-box and in the street
  - New copper is pulled through as lead service is pulled out
  - Recommend use of filter for 30 days following replacement (filter provided by the City)

# Kalamazoo Lead Service Line Replacements

- Impacts of Work
  - Residents to be notified and given number to call when work is on your street
  - A day is scheduled to enter your home
  - An adult must be present
  - Work to be performed by City of Kalamazoo Department of Public Services & Contractors













# Cooper Township Water Main Extensions

- Project Scope
  - Install over 7.8 miles of new water main
  - New copper service from water meter (in house) to water main (in street)
  - New City Water service to 546 parcels
  - \$10.4 million

**Cooper Township Watermain**  
494 Existing Structures  
546 Existing Parcels

**Figure 5**

**Cooper Township Watermain**  
494 Existing Structures  
546 Existing Parcels

**Figure 5**

The map displays the watermain network for Cooper Township. Blue lines represent existing watermain structures, while red lines represent new or proposed structures. The network is overlaid on a street grid, with major roads like Main Street and Broadway Avenue clearly visible. A scale bar in the bottom left corner indicates distances in feet (0, 100, 200). The map also shows various landmarks, including a large body of water on the left and several residential areas.

# Cooper Township Water Main Extensions

- Project Funding
  - \$19,137 average total cost per parcel direct assessment
  - Utility asset cost
  - Included in Capital Improvement Program (CIP)

# Cooper Township Water Main Extensions

- Project Funding
  - Water CIP is rate funded by *All* system users
  - Direct rate costs = approximately 4.08% increase
  - **No actual rate impact at this time (2019)**
  - To be figured in with all other CIP projects and rate determinations for 2020

# Cooper Township Water Main Extensions

- Impacts of Work
  - Approximately 12 hours without water during switch from well
  - Street, driveway, lawn, mailbox, irrigation impacts
  - Majority of the work is in the ROW (33 Ft from street centerline)
  - Street and driveway closures – access maintained
  - Old well to be properly abandoned





# Glendale Water Main Replacement

- Project Scope
  - Replace the 6” cast iron Glendale water main with 8” ductile iron pipe
  - Riverview to Orient in the City of Parchment
  - \$0.84 million

# Glendale Water Main Replacement

- Project Funding
  - Included in Capital Improvement Program (CIP)
  - Water capital is rate funded by *All* system users
  - Direct rate costs = approximately 0.33% increase
  - **No actual rate impact at this time (2019)**
  - To be figured in with all other capital projects and rate determinations for 2020



# Glendale Water Main Replacement

- Impacts of Work
  - Period of boil water advisory during switch to water new main
  - Street, driveway, lawn, mailbox, irrigation impacts
  - Majority of the work is in the street
  - Street and driveway closures – access maintained

# Summary of 2020 DWRF Projects

- Kalamazoo area Lead Service Line Replacements - \$9.5 million, 3.7% rate impact estimate
- Cooper Township Water Main Extensions - \$10.4 million, 4.08% rate impact estimate
- Glendale Water Main Replacement - \$0.84 million, 0.33% rate impact estimate
- Richland Township (not presented) - \$1.88 million, 0.74% rate impact estimate

# Summary of 2020 DWRF Projects

- All 2020 DWRF Proposed Projects - \$22.7 million
- All 2020 DWRF Proposed Projects – 8.86% rate impact estimate
- Without DWRF rate impacts for these projects would be ~11.5% or more
- **Final 2020 rate recommendations will also take O&M, system capital and coverage ratio into account**

# Summary of 2020 DWRF Projects

Current 2019 “typical” water bills

- \$54.54 per quarter “In City”
- \$83.83 per quarter “Township”

*(based on 70 cubic meters per quarter usage)*

Water bill **estimates** due to 2020 DWRF

- \$4.83 increase per quarter “In City”
- \$7.43 increase per quarter “Township”



# Thank you

(269) 337-8550 Lead Hotline

(269) 337-8756 Water Quality