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
• 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
• 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)
• 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 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
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