



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Interim Director

April 11, 2014

City of Cincinnati
Attn: Carel Vandermeijden, Chief Engineer
Greater Cincinnati Water Works
4747 Spring Grove Road
Cincinnati, Ohio 45232

RE: City of Cincinnati, Greater Cincinnati Water Works (GCWW) Projects; Limited Environmental Review and Finding of No Significant Impact; WSRLA Loan Numbers:

FS390255-0033 - Ashtree/Casey/Firtree/Monterey Water Main Replacement
FS390255-0035 - Cedar/Lathrop/Carey Water Main Replacement
FS390255-0036 - Woodburn/Jonathon/Pleasant View Water Main Replacement
FS390255-0038 - Reading/5th Ave/4th Ave/East Water Main Replacement
FS390255-0040 - Chantilly/Grosse Pointe/Halidonhill/Orangelawn/Charingcross Water Main Replacement
FS390255-0052 - Cornell and Irwin-Simpson Pump Station Backup Power Generator Installation
FS390255-0054 - Marion/Valley Ln/Redway Water Main Replacement

Dear Mr. Vandermeijden:

Please find attached the final finding of no significant impact (FNSI) for the City of Cincinnati, GCWW Water Main Replacement and Back-up Generator Replacement Projects (WSRLA loan nos. FS390255-0033, FS390255-0035, FS390255-0036, FS390255-0038, FS390255-0040, FS390255-0052, and FS390255-0054). Please make this document available to the public by posting it on the City's website. When this has been done, please notify me of where the document has been distributed and the date(s) of distribution. Ohio EPA appreciates that this document be displayed for public viewing for at least 30 days.

If you have any questions about the FNSI or the public noticing instructions, please feel free to contact me at (614) 644-3664/rose.mclean@epa.ohio.gov or Tom Harcarik at (614) 644-3639/thomas.harcarik@epa.ohio.gov.

Sincerely,

Rose McLean
Environmental Planner
Division of Environmental & Financial Assistance

Enclosures

ec: Andy Orth, Greater Cincinnati Water Works
Tom Harcarik, Ohio EPA, DEFA
Leah Zedella, Ohio EPA, DEFA

Gina Hayes, Ohio EPA, DDAGW, SWDO
Daniel Osika, Ohio EPA, DDAGW, SWDO
Sue Farmer, OWDA



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RE: City of Cincinnati, Greater Cincinnati Water Works (GCWW) Projects; Final Finding of No Significant Impact; WSRLA Loan Numbers:

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FS390255-0052 - Cornell and Irwin-Simpson Pump Station Backup Power Generator Installation
FS390255-0054 - Marion/Valley Ln/Redway Water Main Replacement

Dear Mr. Vandermeijden:

On April 11, 2014, Ohio EPA issued a Limited Environmental Review for GCWW's Water Main Replacement and Back-up Generator Replacement Projects, WSRLA loan nos. FS390255-0033, FS390255-0035, FS390255-0036, FS390255-0038, FS390255-0040, FS390255-0052, and FS390255-0054. The conclusions contained in the Limited Environmental Review are the basis for this final Finding of No Significant Impact for the above-referenced projects.

This final Finding of No Significant Impact may be revised or rescinded at a future date based upon either changes to the proposed project, the presentation of information which significantly alters earlier conclusions, or failure of the applicant to perform the environmental impact mitigation prescribed in the Limited Environmental Review.

Sincerely,

for Alauddin A. Alauddin, Chief
Division of Environmental & Financial Assistance

Enclosures

ec: Andy Orth, Greater Cincinnati Water Works
Tom Harcarik, Ohio EPA, DEFA
Leah Zedella, Ohio EPA, DEFA
Gina Hayes, Ohio EPA, DDAGW, SWDO

Daniel Osika, Ohio EPA, DDAGW, SWDO
Sue Farmer, OWDA

LIMITED ENVIRONMENTAL REVIEW

A. Project Identification

Name: City of Cincinnati
Greater Cincinnati Water Works
Water Main Replacement and Back-up Generator Replacement Projects

Sponsor Address: Carel Vandermeijden, Chief Engineer
Greater Cincinnati Water Works
4747 Spring Grove Road
Cincinnati, Ohio 45232

WSRLA No.: FS390255-0033 - Ashtree/Casey/Firtree/Monterey Water Main Replacement
FS390255-0035 - Cedar/Lathrop/Carey Water Main Replacement
FS390255-0036 - Woodburn/Jonathon/Pleasant View Water Main Replacement
FS390255-0038 - Reading/5th Ave/4th Ave/East Water Main Replacement
FS390255-0040 - Chantilly/Grosse Pointe/Halidonhill/Orangelawn/Charingcross
Water Main Replacement
FS390255-0052 - Cornell and Irwin-Simpson Pump Station Backup Power
Generator Installation
FS390255-0054 – Marion/Valley Ln/Redway Water Main Replacement

B. Project Background and Existing Need

The Greater Cincinnati Water Works (GWCC) has applied to Ohio EPA's Water Supply Revolving Loan Account (WSRLA) to finance six water main replacement projects and one back-up power generator installation project. The water main projects will result in the replacement of a total of approximately 39,000 linear feet (lf) of aging, cast iron 4-, 6-, 8- and 12-inch diameter water mains with new 8-inch diameter water mains and 400 lf of new water line. The existing mains experience a high frequency of repairs due to corrosion holes, longitudinal splits, and circular and bell cracks. The installation of a permanent back-up power generator at the Cornell and Irwin-Simpson pump stations will allow these facilities to maintain critical functions during utility power failures. Currently these pump stations do not have back-up power generators and are off line until power is restored.

The GCWW provides approximately 136 million gallons of water per day through 3,100 miles of water mains to most of Hamilton County, portions of Butler and Warren counties, and to Boone County in Kentucky. The GCWW supplies water from two sources: the Miller Water Treatment Plant (WTP) that treats water from the Ohio River, and the Bolton Water Treatment Plant that treats water drawn from wells in the Great Miami Aquifer. Water from both WTPs is delivered to customers through an open distribution system, which means that treated water from both plants is mixed within the water mains. These projects are part of a comprehensive effort to replace older, higher maintenance cast iron water mains located within GCWW's distribution system, some of which date back to the early 1900s. Many of the water mains to be replaced were installed in the 1950s.

Each of the seven projects described in this Limited Environmental Review (LER) will be financed through separate loans. The GCWW anticipates that construction for these projects will be completed by July 26, 2014. The total loan award amount for all seven projects is \$6,469,700. The loan award for each individual project may be seen in Section D below. The GCWW will save an estimated \$2,384,000 on all seven projects by using the lower 2.0 % interest rate associated with the WSRLA when compared to a 20-year traditional market rate loan.

C. Project Descriptions

Installation of the water main replacement lines will be straight-forward. A trench will be dug within the existing road rights-of-way adjacent to the existing mains to be replaced. The new mains will be installed beneath the edge of pavement or under existing pavement depending upon the location of the existing main. Once installed, the new mains will be pressure tested and reconnected to the up- and downstream mains. Next, the new mains will be surrounded with granular backfill bedding material, followed by Controlled Density Fill material, then 11 inches of concrete and two inches of hot mix asphalt. The existing mains will be abandoned in place.

The entire project area for the six water main replacement projects consists of residential neighborhood and roads and has been previously disturbed by the installation of the existing mains and other underground utilities. Because the project work limits are located entirely within existing road rights-of-way, no sensitive environmental resources such as streams, wetlands, state or federal threatened or endangered species, or historic properties will be impacted. No trees will be cleared as part of the installation of the new mains. The GCWW will require restrictions typical of work within residential neighborhoods including limiting road closures, traffic controls including uniformed police officers as necessary, and limiting water shut downs to one eight hour shut down per any 24 hour period. No construction material or equipment may be stored in the rights-of-ways.

The back-up power generator installation project provides for one back-up generator and appurtenances to be installed at each of the sites. Both of the project areas consists of a water storage tank, pump building and access drive. Because the project work limits are located entirely within the existing pump station properties, no sensitive environmental resources such as streams, wetlands, state or federal threatened or endangered species, or historic properties will be impacted. Existing landscaping to be impacted by the project will be relocated on the property. And the GCWW will require the implementation of construction best management practices, along with an erosion and sediment control plan.

A summary of each project is provided below:

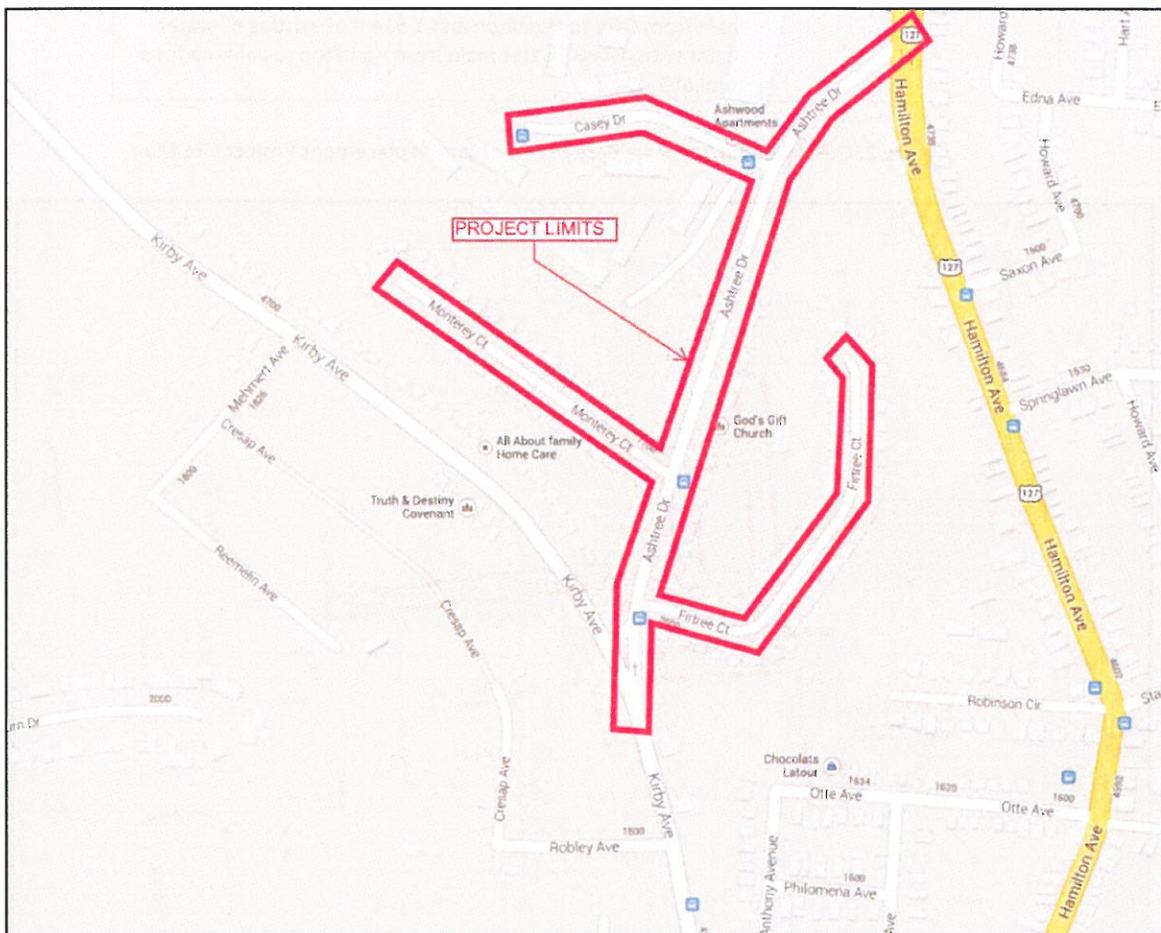
1. Ashtree/Casey/Firtree/Monterey Water Main Replacement

This construction project involves the replacement of approximately 5,028 lf of 6-inch and 8-inch diameter cast iron water mains in the GCWW distribution system with new 8-inch distribution mains on Ashtree Drive, Casey Drive, Firtree Court, and Monterey Court in Cincinnati, Ohio. These water mains were installed in 1956 and 1972 and their replacement will improve water quality parameters in the immediate area and provide more reliable service to the customers.

Table 1. Project Description

Street	Description of Work
Ashtree Drive	Replace ~1920 lf of existing 6" and 8" water mains with new 8" water main from Kirby to Hamilton.
Casey Drive	Replace ~985 lf of existing 8" water main with new 8" water main from Ashtree to west terminus.
Firtree Court	Replace ~1150 lf of existing 6" water main with new 8" water main from Ashtree to north terminus.
Monterey Court	Replace ~973 lf of existing 6" water main with new 8" water main from Ashtree to west terminus.

Figure 1. GCWW Ashtree/Casey/Firtree/Monterey Water Main Replacement Project Site Map



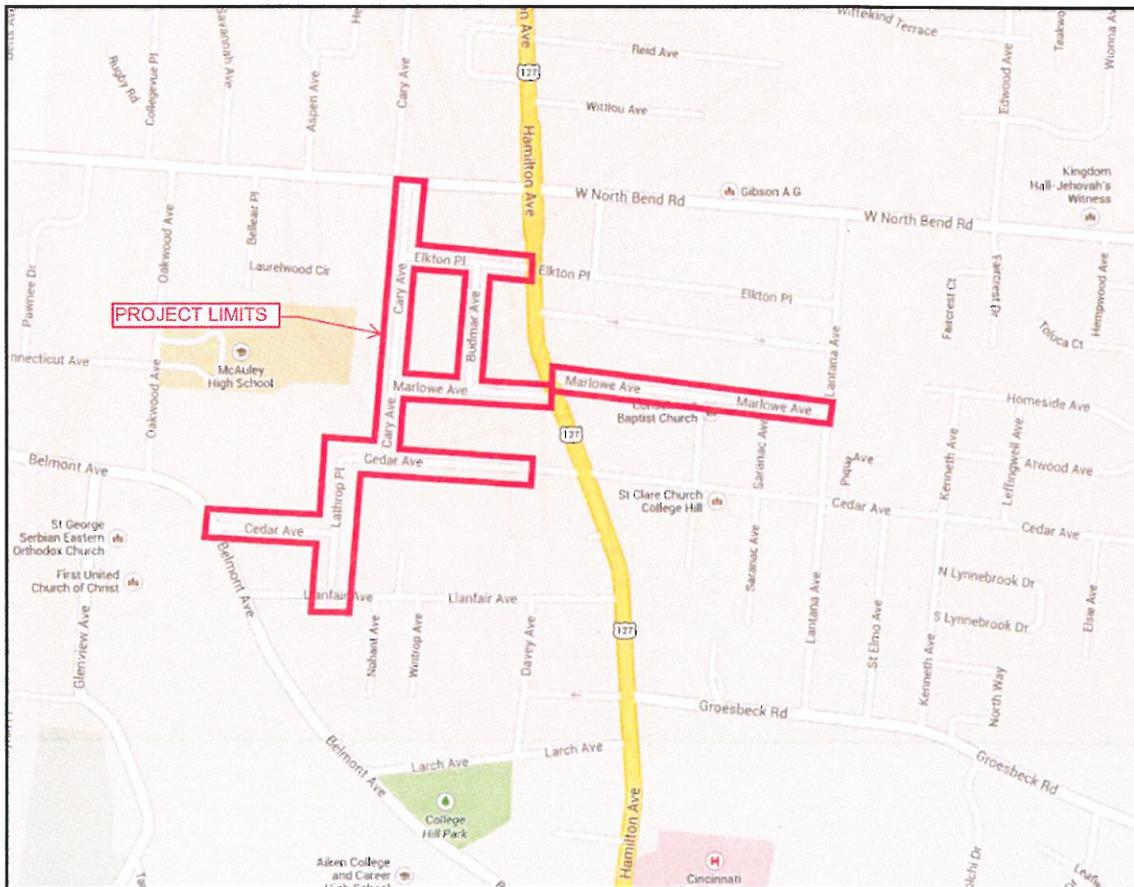
2. Cedar/Lathrop/Carey Water Main Replacement

This construction project involves the replacement of approximately 7,715 lf of existing 6-inch diameter cast iron water mains in the GCWW distribution system with new 8-inch distribution mains on Cedar Avenue, Lathrop Place, Cary Avenue, Elkton Place, Budmar Avenue and Marlowe Avenue in Cincinnati, Ohio. These water mains were installed between 1926 and 1956 and their replacement will improve water quality parameters in the immediate area and provide more reliable service to the customers.

Table 2. Project Description

Street	Description of Work
Cedar Avenue	Replace ~1,565 lf of existing 6" water mains with new 8" water main from Belmont to 370 ft. west of Hamilton.
Lathrop Place	Replace ~775 lf of existing 6" water mains with new 8" water main from Llanfair to Cedar.
Cary Avenue	Replace ~1,530 lf of existing 6" water mains with new 8" water main from North Bend to Cedar.
Elkton Place	Replace ~710 lf of existing 6" water mains with new 8" water main from Cary to Hamilton.
Budmar Avenue	Replace ~710 lf of existing 6" water mains with new 8" water main from Elkton to Marlowe.
Marlowe Avenue	Replace ~911 lf of existing 6" water mains with new 8" water main from Cary to Hamilton and 1,514 lf of existing 6" water mains with new 8" water main from Hamilton to Lantana for a total of 2,400 lf.

Figure 2. GCWW Cedar/Lathrop/Carey Water Main Replacement Project Site Map



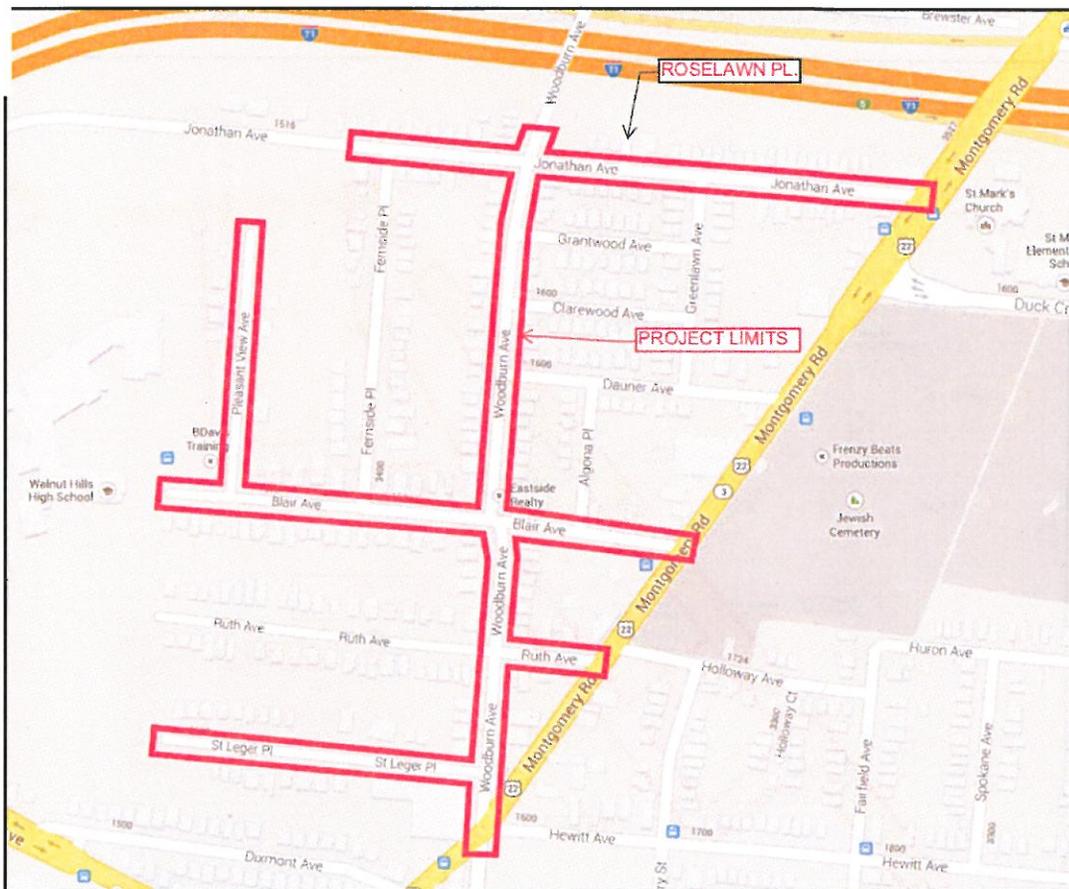
3. Woodburn/Jonathon/Pleasant View Water Main Replacement

This construction project involves the replacement of approximately 7,180 lf of existing 6-inch diameter cast iron water mains in the GCWW distribution system with new 8-inch distribution mains on Woodburn Avenue, Jonathan Avenue, Pleasant View Avenue, Ruth Avenue, St. Leger Place and Blair Avenue in Cincinnati, Ohio. These water mains were installed between 1908 and 1929 and their replacement will improve water quality parameters in the immediate area and provide more reliable service to the customers.

Table 3. Project Description

Street	Description of Work
Woodburn Ave.	Replace ~1975 lf of existing 6" water mains with new 8" water main from Montgomery to 115' north of Jonathan.
Jonathan Ave.	Replace ~1755 lf of existing 6" water main with new 8" water main from Montgomery to 170' west of Fernside.
Pleasant View Ave.	Replace ~775 lf of existing 6" water main with new 8" water main from Blair to 310' south of Jonathan.
Ruth Ave.	Replace ~275 lf of existing 6" water main with new 8" water main from Montgomery to Woodburn.
St. Leger Pl.	Replace ~1025 lf of existing 6" water main with new 8" water main from Woodburn to west terminus.
Blair Ave.	Replace ~1,375 lf of existing 6" water main with new 8" water main from Montgomery to west terminus.

Figure 3. GCWW Woodburn/Jonathon/Pleasant View Water Main Replacement Project Site Map



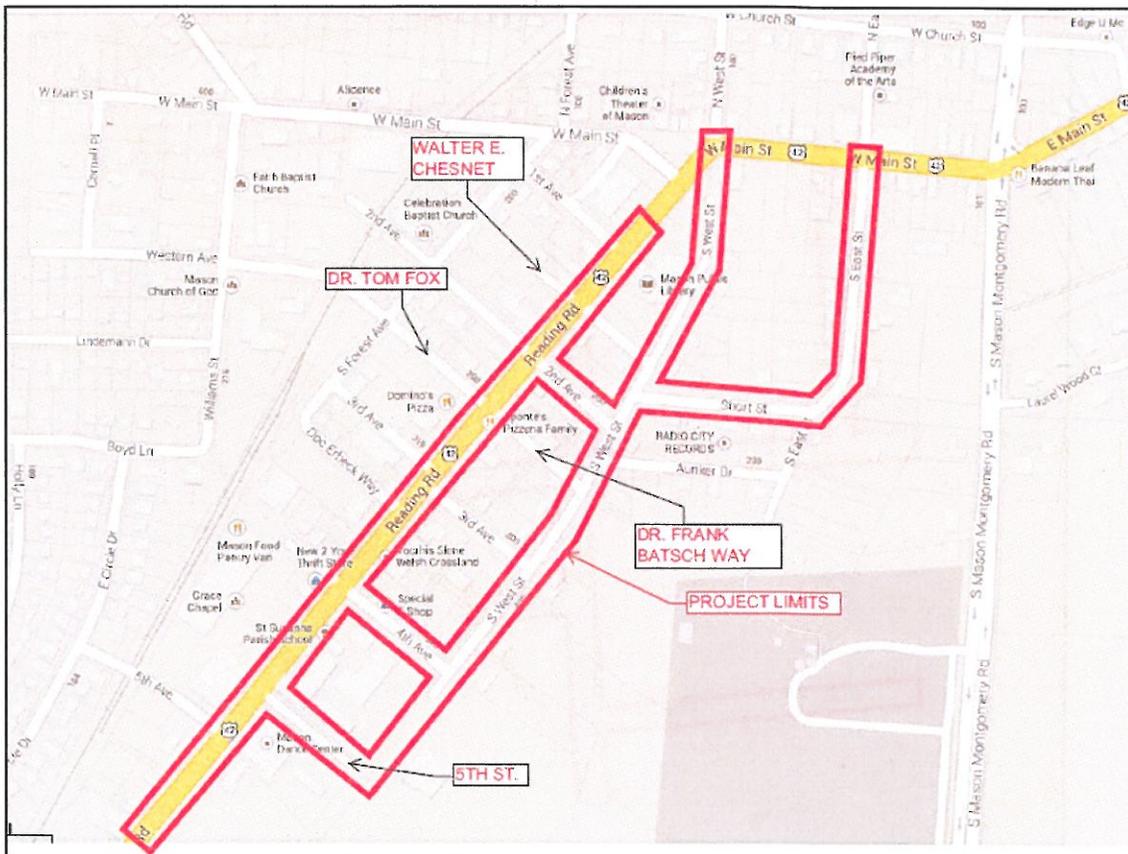
4. Reading/5th/4th/East Water Main Replacement

This construction project involves the replacement of approximately 7265 lf of existing 4-inch and 6-inch diameter cast iron water mains in the GCWW distribution system with new 8-inch distribution mains on Reading Road, 5th Avenue, 4th Avenue, East Street, Short Street, Second Avenue, and West Street additionally, the project includes the installation of 400 lf of new 8-inch water main on 4th Avenue in Cincinnati, Ohio. These water mains were installed in 1956 and 1972 and their replacement will improve water quality parameters in the immediate area, and provide more reliable service to the customers.

Table 4. Project Description

Street	Description of Work
Reading Road	Replace ~3000 lf of existing 6" water mains with new 8" water main from 282 feet south of Main St. to Tylersville St.
5 th Avenue	Replace ~400 lf of existing 6" water mains with new 8" water mains from Reading to West St.
4 th Avenue	Install ~400 lf of new 8" water main from Reading to West St.
East Street	Replace ~ 700 lf of existing 6" water mains with new 8" water main from Short St. to Reading Road.
Short Street	Replace ~ 500 lf of existing 4" water main with new 8" water main from West St. to East S.
Second Avenue	Replace ~ 615 lf of existing 4" water main with new 8" water main from Reading Rd. to West St.
West Street	Replace ~2050 lf of existing 6" water main with new 8" water main from Reading Rd. to 5 th Ave.

Figure 4. GCWW Reading/5th/4th/East Water Main Replacement Project Site Map



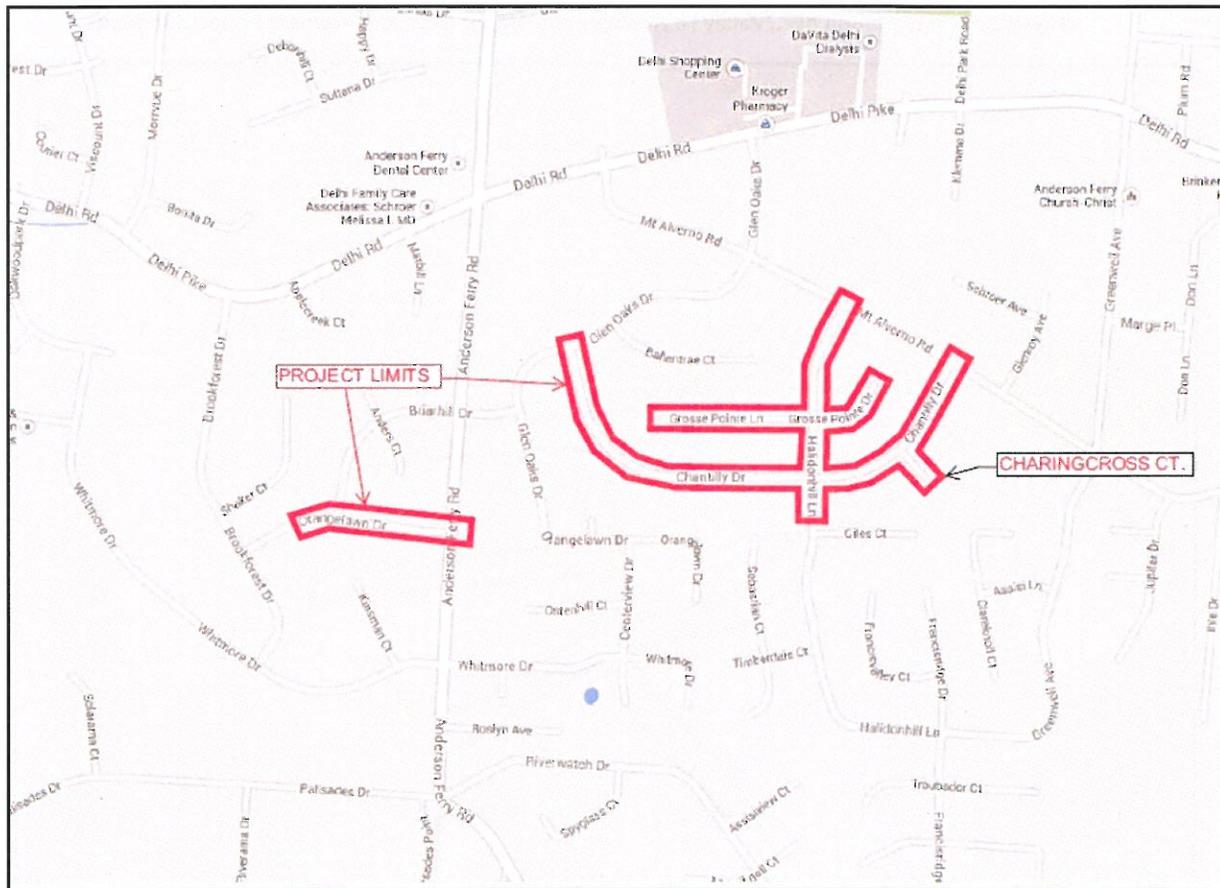
5. Chantilly/Grosse Pointe/Halidonhill/Orangelawn/Charingcross (TH)

This construction project will replace approximately 6,435 lf of cast iron water mains in the GCWW distribution system on Chantilly Drive, Charingcross Court, Halidonhill Lane, Grosse Pointe Lane, and Orangelawn Drive. All of these water mains date back to the 1950s. The existing 6- and 8-inch diameter water distribution mains are being replaced with new 6- or 8-inch distribution mains. These replacements will improve water quality parameters in the immediate area, and provide more reliable service to the customers. Streets associated with this project are located in Delhi Township, which is southwest of Cincinnati.

Table 5. Project Description

Street	Description of Work
Chantilly Drive	Replace ~ 2,850 lf of existing 6" main with new 8" main from Glen Oaks to Mt. Alverno.
Grosse Pointe Lane	Replace ~ 1,400 lf of existing 6" main with new 8" main from the west terminus to the east terminus.
Halidonhill Lane	Replace ~ 1,160 lf of existing 8" main with new 8" main from Chantilly to Mt. Alverno.
Orangelawn Drive	Replace ~ 750 lf of existing 6" main with new 8" main from 200' west of Briarhill to Anderson Ferry.
Charingcross Court	Replace ~ 275 lf of existing 6" main with new 6" main from Chantilly to the south terminus.

Figure 5. Chantilly/Grosse Pointe/Halidonhill/Orangelawn/Charingcross Project Area



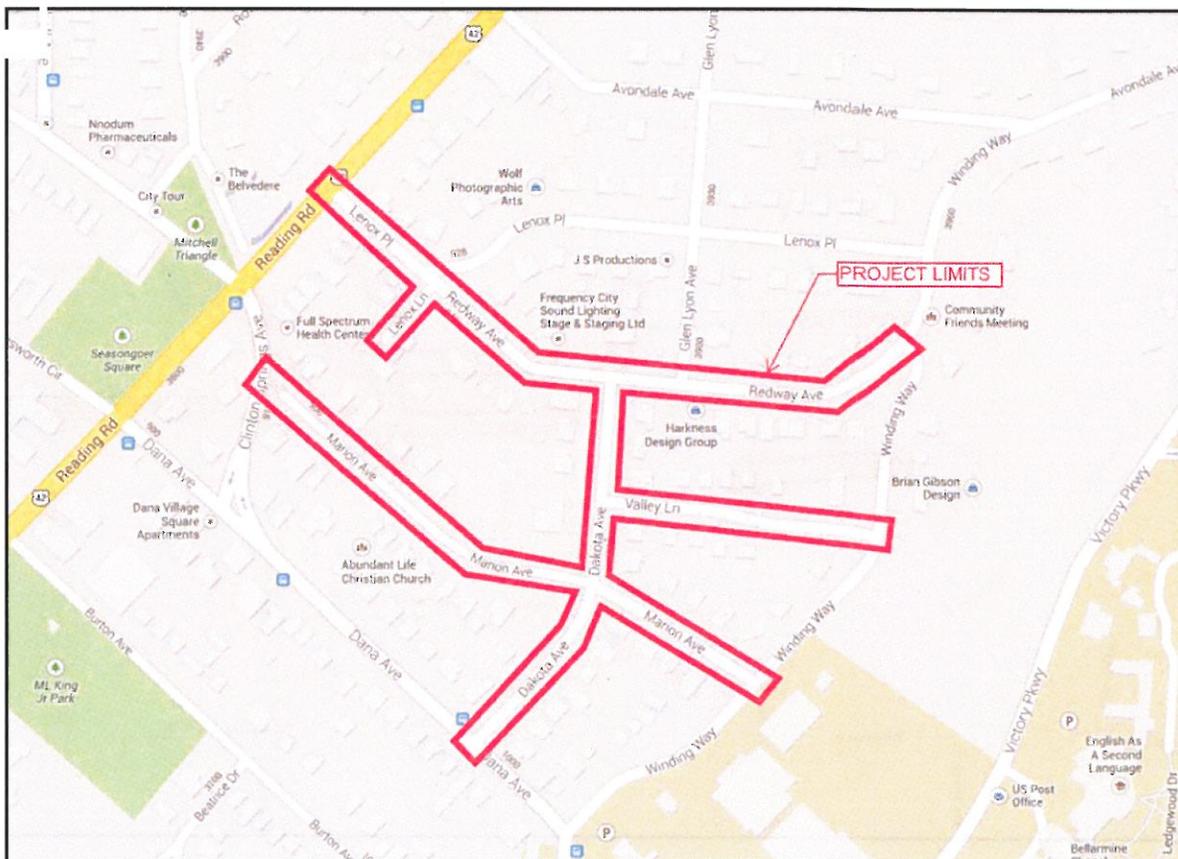
6. Marion/Valley/Redway Water Main Replacement

This construction project involves the replacement of approximately 5,546 lf of existing 6-inch and 12-inch diameter cast iron water mains in the GCWW distribution system with new 6-inch or 8-inch distribution mains on Marion Avenue, Valley Lane, Redway Avenue, Dakota Avenue, Lenox Lane, and Lenox Place in Cincinnati, Ohio. These water mains were installed between 1917 and 1933 and their replacement will improve water quality parameters in the immediate area and provide more reliable service to the customers.

Table 6. Project Description

Street	Description of Work
Marion Ave.	Replace ~1,650 lf of existing 6" and 12" water mains with new 8" water main from Reading to Winding Way.
Valley Lane	Replace ~800 lf of existing 6" water main with new 8" water main from Dakota to Winding Way.
Redway Ave.	Replace ~1,500 lf existing 6" water main with new 8" water main from Lenox to Winding Way.
Dakota Ave.	Replace ~996 lf of existing 6" water main with new 8" water main from Dana to Redway.
Lenox Lane	Replace ~250 lf of existing 6" water main with new 6" water main from Redway to South Terminus.
Lenox Place	Replace ~350 lf of existing 6" water main with new 8" water main from Reading to Redway.

Figure 6. GCWW Marion Ave./Valley Ln./Redway Ave. Water Main Replacement Project Site Map



7. Cornell and Irwin-Simpson Back-up Power Generator Installation

The GCWW will be installing one permanent backup power generator at each of the two existing pump stations. The Cornell Pump Station is located at 4401 Cornell Road, Cincinnati, Ohio, and the Irwin-Simpson Pump Station is located at 4752 Irwin-Simpson Road, Mason, Ohio. The power provided by these generators will allow the pump stations to maintain critical functions during utility power failures.

Specific work includes:

- Install and test two new engine generator sets with self-contained fuel storage, access platforms and stairs; one located at Cornell Pump Station and one located at Irwin Simpson Pump Station.
- Remove pavement.
- Provide site preparation, grading, pavement, hydrant relocation and site restoration.

Figure 7. GCWW Cornell Backup Power Generator Project Site Map



Figure 8. GCWW Irwin-Simpson Backup Power Generator Project Site Map



D. Estimated Project Costs

The total cost for all 7 projects is \$6,469,700. All projects described in this LER will be financed with separate below-market rate loans available through the State of Ohio's Drinking Water Assistance Fund WSRLA program. The GCWW qualifies as a non-disadvantaged water system with affordability points for a 2.0 % interest rate for up to 20 years. By using the WSRLA instead of standard market rate financing, the GCWW will save an estimated total of \$2,384,000 in interest payments over the 20-year life of the loans.

Table 7. Estimated Savings

Project Name	Loan Award	Savings
Ashtree/Casey/Firtree/Monterey Water Main Replacement	\$589,700	\$217,000
Cedar/Lathrop/Carey Water Main Replacement	\$1,035,000	\$381,000
Woodburn/Jonathon/Pleasant View Water Main Replacement	\$1,075,000	\$396,000
Reading/5th Ave/4th Ave/East Water Main Replacement	\$1,137,000	\$419,000
Chantilly/Grosse Pointe/Halidonhill/Orangelawn/Charingcross Water Main Replacement	\$868,000	\$320,000
Marion/Valley Ln/Redway Water Main Replacement	\$765,000	\$282,000
Cornell and Irwin-Simpson Pump Station Backup Power Generator Installation	\$644,000	\$237,000
Total	\$6,113,700.00	\$2,252,000.00

The WSRLA loan will be repaid through revenue generated by GCWW's user charge system. The current user charge rates have been in effect since January 1, 2013. Existing user charges for customers in the areas of these projects are described below:

Chantilly:

Based on current user rates, the average residential customer within this part of the GCWW area pays an estimated \$77.05 every four months, based on 2,000 cubic feet (20 CCF) of water used per quarter per household. This figure is based on charging \$3.06 per CCF for the first 60 CCF plus a \$15.85 quarterly base user charge. The annual average user charge is \$308.20. ($\$3.06 \times 20 \text{ CCF} = \$61.20 + \$15.85 = \$77.05/\text{quarter} \times 4 = \308.20)

Cedar, Ashtree, Marion, and Woodburn:

Based on current user rates, the average residential customer within these parts of the GCWW area pays an estimated \$59.38 every four months, based on 2,000 cubic feet (20 CCF) of water used per quarter per household. This figure is based on charging \$2.28 per CCF for the first 60 CCF plus a \$13.78 quarterly base user charge. The annual average user charge is \$237.52 ($\$2.28 \times 20 \text{ CCF} = \$45.60 + \$13.78 = \$59.38/\text{quarter} \times 4 = \237.52).

Cornell Pump Station Generator:

Based on current user rates, the average residential customer within this part of the GCWW area pays an estimated \$71.79 every four months, based on 2,000 cubic feet (20 CCF) of water used per quarter per household. This figure is based on charging \$2.85 per CCF for the first 60 CCF plus a \$14.79 quarterly base user charge. The annual average user charge is \$287.16 ($\$2.85 \times 20 \text{ CCF} = \$57.00 + \$14.79 = \$71.79/\text{quarter} \times 4 = \287.16).

Irwin Simpson Generator and Reading water main replacement:

Based on current user rates, the average residential customer within this part of the GCWW area pays an estimated \$67.02 every four months, based on 667 cubic feet (6.67 CCF) of water used per month per household. This figure is based on charging \$11.41 monthly minimum charge for the first 2 CCF per month and \$2.33 per CCF for the volume used between 2 CCF and 13 CCF. The annual average user charge is \$268.10 ($\$11.41 + (\$2.33 \times 4.67 \text{ CCF}) = \$22.34/\text{month} \times 3 = \$67.02/\text{quarter} \times 4 = \$268.10/\text{year}$).

The GCWW does not raise rates to pay for individual projects. Therefore, these projects will not require an increase in user rates to repay the loan. Cincinnati's annual median household income (MHI) is \$33,855 and the average annual user charge within the city is \$379.16. Therefore, the GCWW user rates are equivalent to 1.12% of the average MHI for the project area which is below the statewide average of 1.2% (calculated as the 2008 state average annual user charge for water supply services as a percentage of the 2000 Ohio MHI).

E. Project Schedule

Although all 7 projects are described in a single LER, each project will proceed according to a separate schedule. Anticipated completion dates will vary for each individual project.

Table 8. Project Schedules

Project Name	Begin Construction	Duration
Ashtree/Casey/Firtree/Monterey Water Main Replacement	12/2/2013	180 days
Cedar/Lathrop/Carey Water Main Replacement	12/9/13	180 days
Woodburn/Jonathon/Pleasant View Water Main Replacement	1/21/14	180 days
Reading/5th Ave/4th Ave/East Water Main Replacement	12/9/13	180 days
Chantilly/Grosse Pointe/Halidonhill/Orangelawn/Charingcross Water Main Replacement	3/3/14	180 days
Marion/Valley Ln/Redway Water Main Replacement	1/13/14	150 days
Cornell and Irwin-Simpson Pump Station Backup Power Generator Installation	10/24/13	275 days

F. Public Notification

All of these projects are included as line items in the entire GCWW capital program, which is included in the City's recommended budget. The budget is posted online at www.cincinnati-oh.gov/finance/budget/. The City Council approves the entire capital budget as a whole for GCWW, not individual projects. No meetings with the public were held during design. However, before the GCWW starts construction on each project, they will advise the public in the following manner:

1. The GCWW will issue a notification letter to every resident and business located within the project area before any construction starts. The letter describes the project schedule, traffic restrictions, and contact information for the project manager.
2. The GCWW will also post this LER to its webpage.

Additionally, as part of our State Environmental Review Process, we will post this Limited Environmental Review and Finding of No Significant Impact (FONSI) to our web page located at: (<http://epa.ohio.gov/defa/EnvironmentalandFinancialAssistance.aspx>)

G. Planning Information

The Division of Environmental and Financial Assistance has reviewed the facilities planning information for the proposed projects in consideration of potential direct, indirect and cumulative short- and long-term environmental impacts, with input from the following agencies:

- Ohio Historic Preservation Office
- Ohio Environmental Protection Agency
- Ohio Department of Natural Resources

No opposition to the project is known at this time.

H. Conclusion

Ohio EPA conducts environmental reviews of all projects prior to WSRLA financing. Ohio EPA's State Environmental Review Process contains a special set of project review procedures for projects which do not have the potential to "individually, cumulatively over time, or in conjunction with other Federal, State, local, or private actions have a significant adverse effect on the quality of the human environment." Such projects qualify for a Limited Environmental Review. The proposed projects meet the project type criteria for a LER; namely, the projects involve repair or functional replacement of existing drinking water facilities. Furthermore, the projects meet the other qualifying criteria for a LER; specifically, the proposed projects:

- **will have no significant adverse environmental effect**, as sensitive resources such as floodplains, wetlands, riparian areas, prime or unique agricultural lands, aquifer recharge zones, archaeological or historically significant sites, or threatened or endangered species are not present in the project areas;
- **do not require extensive specific impact mitigation**, as the proposed projects involve either the replacement of existing water mains located in residential road rights-of-way where the roads will be restored to their pre-project grade and condition or the installation of a back-up generator within the property boundary of an existing pump station where existing landscaping to be impacted by the project will be relocated on the property and best management practices and an erosion and sediment control plan will be implemented;
- **will have no adverse effect on high value environmental resources**, as the project areas are highly developed residential neighborhoods, with asphalt roads, manicured lawns and numerous existing utilities, so no high value environmental resources are present there;
- **are not a controversial actions**, as users' rates will not be increased as a result of these projects, nor will any adverse impacts to environmental resources occur. Further, Ohio EPA is unaware of any public opposition to the projects;
- **are cost-effective**, as replacement of the water mains will ensure continuous potable drinking water supply to residents located in the project areas at a reasonable cost by targeting those water mains most in need of repair, and the installation of permanent backup power generators will help mitigate the risk of a utility power failure causing depressurization of the service area, thereby helping prevent expensive service work and potentially costly loss of water service to homes and businesses;
- **do not create new, or relocate existing, discharges to surface or ground waters; and will not result in substantial increases in the volume of discharge or the loading of pollutants from an existing source or from new facilities to receiving waters**, since the proposed projects do not involve a point source discharge or the treatment of wastewater flows;
- **will not create new sources of water withdrawals from either surface or ground waters, or significantly increase the amount of water withdrawn from an existing source; nor will they provide capacity to serve a population substantially greater than the existing population**, as the project scopes are limited to replacing existing water mains and installing backup generators at existing pump stations.

The planning activities for the project have identified no potentially significant short-term or long-term adverse impacts on the quality of the human environment or on sensitive resources. Implementation of appropriate construction mitigation measures is required by the contract specifications and construction activity will be limited to the existing, previously-disturbed road rights-of-way and pump station sites. The project will benefit the Cincinnati area by providing improved water service that is safe and reliable for residents and businesses, and will help reduce water system costs by minimizing/eliminating water loss due to leakage from old, failing water mains and by avoiding costly emergency repairs.

I. Contact Person

For further information, please contact:

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Ohio EPA, Division of Environmental & Financial Assistance
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(614) 644-3664

E-mail address: rose.mclean@epa.ohio.gov

