ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 · (217) 782-3397
JB PRITZKER, GOVERNOR JOHN J. KIM, DIRECTOR

Project Summary and Preliminary Environmental Impacts Determination

Date: MAR 0 5 2024

Loan Applicant: Village of Orangeville IEPA Loan Project Number: L177028

To all interested persons:

Section 662.330 of the Illinois Procedures for Issuing Loans from the Public Water Supply Loan Program requires that the Illinois Environmental Protection Agency (IEPA) conduct an assessment of the environmental impacts of proposed public water supply projects to be funded with loans. This review is carried out in conjunction with the Agency's review of the applicant's project plan.

Prior to final approval of the project plan, the public's comments are sought regarding environmental impacts of the proposed project. Unless new information obtained through the public comment process causes reconsideration, the Agency will approve the project plan at the close of the public comment period.

The applicant will make the attached Project Summary and Preliminary Environmental Impacts Determination (PEID) available for public inspection. Within 60 days of receiving this letter, the applicant must conduct a public hearing regarding both the PEID and project planning. Advertisement of the hearing must be made at least 10 days in advance. The advertisement must include the purpose of the project along with the date, time, and location of the hearing. A comment period of at least 10 days shall be provided after the hearing in which written comments may be submitted to the loan applicant or to the IEPA contact person identified in the attached document.

For information purposes only, a copy of this document is being provided to your local newspaper of record.

Your participation in this process is appreciated.

Sincerely,

Gary Bingenheimer, P.E.
Manager
Infrastructure Financial Assistance Section
Bureau of Water

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Attachment

Project Summary and Environmental Assessment

The Village of Orangeville has applied to the Illinois Environmental Protection Agency's (IEPA) Public Water Supply Loan Program (PWSLP) to request funding to help finance a drinking water system improvement project. The following project summary and environmental assessment has been prepared by the IEPA to assist the loan applicant in complying with the public notice requirements. This report is based on information submitted by The Village of Orangeville. Sources of information include the following documents: Water System Improvements Project Plan dated October 2023 by Wagner Consulting & Agriculture, LLC. and additional information compiled by the IEPA.

Part I – Project information

Loan Applicant: Village of Orangeville (Village) **Project Number:** L177028

Project Name: Water System Improvements

County: Stephenson

Current Population Served: 766 **Future Population (20 year):** 766

Project Description: The project consists of the construction of two waterworks buildings at the location of the two existing wells, replacement of existing well piping above and below ground with new ductile iron piping that will include a flushing head, construction of a new sample tap, replacement of the wells' control system, pulling well no. 1 and completely rebuilding it, addition of chemical feed equipment, replacement of 10 defective fire hydrants, the addition of one new fire hydrant, recoating of existing elevated water storage tower, and other appurtenances.

Project Location: Work for the project will occur throughout the Village. The proposed project locations are shown on the attached project location maps.

Project Justification: The Village currently operates two ground wells that were originally installed in 1953 and 1972, respectively. The Village is proposing to replace the existing well buildings because they are in need of upgrade and repair. The existing buildings were not completed in accordance with the design specifications, resulting in deterioration. The existing buildings additionally require the roof to be removed in order to service the wells. The existing buildings have minimal insulation, raising energy costs. The new buildings will solve issues related to the existing structures age, allow for accessible servicing of the wells, and increase energy efficiency. Chemical addition at the current facility is only possible while well no. 1 is in service, as a result of poorly routed piping in the original design. The existing piping is outdated and difficult to service. The Village's proposal to replace the well piping and add chemical feed equipment will allow them to treat water through both wells individually. The existing sample tap in well no. 1 does not meet current requirements and therefore will be replaced. The fire hydrants to be replaced are defective and thus require replacement. One new hydrant is needed to meet fire flow standards. The Village's proposal to recoat the existing elevated water storage tank is

necessary to ensure the longevity of the tank. The combined water system upgrades proposed by the Village will help ensure safe and adequate water service for residents.

Estimated Construction Start Date: 01/2025

Construction Completion Date: 05/2026

Project Cost Estimate: $1,533,000.00

Part II – Environmental Issues Associated with the Project

Project Construction Impacts: Temporary adverse environmental impacts such as construction associated noise, blowing dust, air emissions, traffic disruption, and soil erosion will likely occur during construction.

Illinois Department of Natural Resources: The loan applicant submitted project information to the Illinois Department of Natural Resources (IDNR) EcoCAT website to determine compliance with the Illinois Endangered Species Act, Illinois Natural Areas Preservation Act and the Illinois Wetlands Act. The review results indicated that protected resources may be in the vicinity of the location submitted. The EcoCat printout indicated that adverse effects are unlikely and terminated the consultation for 17 Ill. Adm. Code Parts 1075 and 1090. This indicates that there are no anticipated impacts to threatened and endangered species, wetlands, or other natural areas from the proposed project.

State Historic Preservation Office: The loan applicant submitted project information to the IDNR State Historic Preservation Office (SHPO) for consultation under Section 106 of the Natural Historic Preservation Act of 1966. An IDNR letter dated 01/26/2024 indicates that there are no anticipated impacts to historic, architectural, and archaeological resources from the proposed project.

Tribal Consultation: The loan applicant submitted project information to interested Indian Tribes regarding proposed ground disturbance as a result of the project. No responses were received from any of the tribes at this time. Prior to loan issuance the applicant will be required to address tribal comments and comply with tribal requests should any be received.

Part III – Project Implementation and Affordability of Residents and Utility Customers

The Village intends to finance the proposed project with a loan from the IEPA Public Water Supply Loan Program (PWSLP). A $1,533,000.00 loan, at the current interest rate of 1.81% for a twenty-year period, would have an annual repayment of approximately $91,416.00.

The loan program rules include provisions for incentives such as reduced interest rates, partial principal forgiveness (a reduction in the amount of principal borrowed that would otherwise have to be repaid), and extended repayment periods for qualifying applicants. The final decision for incentive qualification will be determined at the time a loan agreement is issued using updated

Census Bureau and Department of Labor data. The Agency adjusts qualifying criteria annually on July 1st.

Using current data, the Village is eligible to receive a reduced interest rate, partial principal forgiveness, and an extended loan term. Principal forgiveness is not guaranteed until a loan agreement is issued. The final loan and annual repayment amounts will be based on the as-bid project costs, and the loan terms in effect on the date the loan agreement is issued. A rate increase will be necessary to repay the loan.

Source of Loan Repayment: User Fees

Current Average Monthly Residential Water Usage: 3,700 Gallons

Current Average Monthly Residential Cost of Service: The current average monthly cost of service for the Village is $17.65. The Village charges for water at a rate of $8.00 for the first 2,000 gallons with each additional 1,000 gallons charged at a rate of $4.50. There is an additional debt service charge of $2.00. Assuming an average water usage per customer of 3,700 gallons, this is shown as: $2.00 + $8.00 + 1.7($4.50) = $17.65

Proposed Average Monthly Residential Cost of Service: The debt service required to repay the loan would equate to an additional charge of $20.59 per month per residential customer. This can be shown as $20.59 + $2.00 + $8.00 + 1.7($4.50) = $38.24

Median Household Income (MHI): $57,386.00

Financial Impacts of the Proposed Project: To evaluate the cost of the proposed project on the community, a percentage comparison of the MHI to the annual cost of water service is utilized. The MHI listed above is from the current fiscal year census information. The proposed annual water cost of $458.88 per customer is 0.79% of the MHI for the area. This percentage is for comparison only and has no impact on whether a project qualifies for funding from the IEPA. The percentage comparison and MHI are two of several criteria used to determine whether a loan project qualifies for interest rate reductions or principal forgiveness.

Public comments are invited on the proposed project. For further information contact:

David Otto, Project Manager
Infrastructure Financial Assistance Section
Bureau of Water
Illinois Environmental Protection Agency
1021 N Grand Ave. East
P.O. Box 19276
Springfield, IL 62794-9276
(217) 782-2027

N23 - VILLAGE OF ORANGEVILLE

Mailing List – Environmental Review

Project: Orangeville

L17: 7028

Check entities to receive Preliminary Environmental Impacts Determination/Notice of Categorical Exclusion. Agencies may be omitted if they have already provided an unconditional written sign-off on the planning.

_____ Illinois Historic Preservation Agency (SHPO)

_____ Illinois Department of Natural Resources
Office of Realty & Environmental Planning (for rare/endangered species, natural areas, and Interagency Wetlands Policy Act)

_____ Illinois Department of Natural Resources
Office of Water Resources (for lakes, rivers and stream crossings, floodway/floodplain construction)

_____ Illinois Department of Agriculture

U.S. Army Corps of Engineers – Check Appropriate Regional Office

_____ Rock Island District _____ St. Louis District _____ Chicago District

Designated 208 Areawide Planning Agency – Check Appropriate Agency

_____ CMAP

_____ GERPDC

_____ SWIPC

Green Infrastructure Coordinator: _____Chris Covert

IEPA Field Office (_____)

Loan Applicant

Mr. Tom Scudder, President

Village of Orangeville

301 South East st., P.O. Box 100

Orangeville, IL 61060

(Continued on Back)

Local Newspaper of Record

Village Voices

P.O. Box 474

Lena, IL 61048

Consulting Engineer

Mr. Matt Wagner

Wagner Consulting & Agriculture, LLC

709 West Oak Street

Lena, IL 61048

X Other Interested Parties

Mr. Dan Pepin

Community Funding & Planning Services

118 S. Main Street

Stockton, IL 61085

BCC: Chron File

Planning Folder

Scan to David Otto

Project Manager: David Otto

Date: 02/28/2024

Copies of the Preliminary Environmental Impacts Determination/Notice of Categorical Exclusion have been mailed to the above entities.

Signed: Alicia Squires DATE - 3/5/24

WPCLP\Mailing List Environmental Review (Edit Date: 4/20/2017)