



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

217-782-2027

Project Summary and Preliminary Environmental Impacts Determination

Date: **MAR 07 2024**

Loan Applicant: Winnebago

IEPA Loan Project Numbers: L174890 & L176554

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

GB:LC PEID – Winnebago – L174890, L176554.docx

Attachment

2125 S. First Street, Champaign, IL 61820 (217) 278-5800

1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 (618) 346-5120

9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000

595 S. State Street, Elgin, IL 60123 (847) 608-3131

2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200

412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022

4302 N. Main Street, Rockford, IL 61103 (815) 987-7760

**Project Summary and
Preliminary Environmental Impacts Determination (PEID)**

Information in this report is based on information submitted to the IEPA by the Village of Winnebago. The source of information includes the following document: Project Plan Report Water System Upgrades Facility No. 2010500 Project Number 22-1342 prepared by Fehr Graham dated January, 2023. Additional documentation was obtained from loan application documents and compiled by the Illinois Environmental Protection Agency.

Part I – Applicant and Project Information

Loan Applicant: Village of Winnebago

Project Name: Watermain Replacement and New Well Construction

County: Winnebago

Project Loan Numbers: L174890 & L176554

Current Population: 2,940

Future Population (20 years): 2,940

Background Information: The Village of Winnebago is located in Winnebago County, Illinois and occupies approximately 1.95 square miles. The Village is incorporated and governed by a Village Board, which is made up of six (6) trustees, along with the Village President for planning and financing within the village limits. The Water Division is led by the Director of Public Works that is responsible for production, quality control, water treatment, distribution, and related services for their water customers. The water system owned and operated by the Village of Winnebago contains three (3) production wells, two (2) elevated storage tanks, control valves, and a distribution system of more than 25 miles of water main. Current pumping capacity for the Village is 2,584,800 gallons per day.

Project Description: This proposed two-part project involves the replacement of 9,400 feet of existing Transite water main in several areas of the village and the construction of a new production well. The well will be approximately 860 feet in depth and consist of permanent casing pipe, cement shoe, as well as a vertical turbine pump. The pump will be placed around 350 feet and will pump at a rate of 500 gpm.

Project Location: The watermain project will occur at several locations throughout the Village of Winnebago. The new production well will be drilled at 920 Falconer Road at the site of the 400,000-gallon elevated storage tank. See attached map for locations.

Project Justification: The watermain replacement will optimize the distribution system and remove aging infrastructure. The new production well will increase the Village's production ability to help provide adequate pressure and flows throughout the distribution area.

Estimated Construction Start/Completion Dates:

	Watermain Replacement	New Production Well
Construction Start	June 2024	April 2027
Construction Complete	December 2024	November 2027

Project Cost Estimate:

	Watermain Replacement	New Production Well
Cost Estimate	\$4,492,392.30	\$1,113,802.80

Total Cost: \$5,606,195.11

Part II – Project Affordability for Residents and Utility Customers

Winnebago is proposing to finance the project costs with a \$5,606,195.11 loan from the IEPA Public Water Supply Loan Program (PWSLP). A \$5,606,195.11 loan with an estimated interest rate of 1.81% for a twenty (20) year period, would have an annual repayment of approximately \$334,309. The interest rate adjusts annually on July 1st. All loans are subject to the interest rate in effect at the time a loan agreement is issued. A rate increase is necessary to repay the loan.

Source of Loan Repayment: User fees

Current Average Monthly Residential Cost of Service: \$61.40

Projected Average Monthly Residential Cost of Service: \$77.32

Average Monthly Residential Water Use: 15,400 gallons

Number of Customers or Service Connections: 1,204

How is the monthly residential rate/cost of service calculated: The Village of Winnebago's water rate is based on the amount of water each resident uses for a period of one month. Residential users are charged a flat fee of \$5.50 and then charged \$3.63 per 1,000 gallons of usage. For the average use of 15,400 gallons, the average monthly water bill is $(\$3.63 \times 15.4) + \$5.50 = \$61.40$. User rate increases are planned to take place over the next few years. In 2026, the average monthly water bill for 15,400 gallons of usage is expected to be $(\$4.57 \times 15.4) + \$6.94 = \$77.32$.

Median Household Income (MHI): \$85,300

Percentage of MHI needed to pay the projected average annual residential cost of service:
1.08%

Financial evaluation of the proposed project: To evaluate the costs of the proposed project for the community, a percentage comparison of the MHI to the average, annual cost for water service is utilized. The MHI listed above is from the current fiscal year's census information. The proposed annual water cost of \$927.84 is 1.08% of the MHI for the area. The 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.

Part III – Environmental Review and Impacts

This project was reviewed by the Illinois Department of Natural Resources (IDNR) to determine compliance with the IL Endangered Species Act, IL Natural Areas Preservation Act, and the IL Wetlands Act. IDNR's review indicated no negative impacts are expected due to this project.

This project has also been reviewed by the State Historic Preservation Office (SHPO) for compliance with the National Historic Preservation Act, Section 106. SHPO's review indicated that negative impacts to historical or archaeological resources are not expected as a result of this project.

The Village submitted project information to the USACE. The USACE determined that the proposed project will not impact water features or wetlands and has no potential for the placement of dredged or fill material into waters of the United States. Therefore, a Section 404 permit will not be required.

The Village of Winnebago submitted project information to the Illinois Department of Natural Resources (IDNR), State Historic Preservation Office (SHPO) and multiple tribal organizations with registered interest in Winnebago County, for consultation under Section 106 of the NHPA. In two letters July 18, 2023 and September 18, 2023, SHPO returned a determination of no further concern. Review by tribal organizations is still underway. If a cultural resources survey is necessary, that survey will be completed before project design is finalized. Any additional mitigative measures required will be incorporated into project design.

In addition, the above-mentioned project does not include any involvement of flood plains which would require consultation by IDNR Office of Water Resources (OWR). The project also does not include any involvement of agriculture land which would require a consultation from the Illinois Department of Agriculture.

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

Lanina Clark, Project Manager
Infrastructure Financial Assistance Section
Illinois Environmental Protection Agency
Bureau of Water
P.O. Box 19276
1021 North Grand Avenue East
Springfield, Illinois 62794-9276
(217)782-2027



Well No. 5 Project Location



400 0 400 FEET
GRAPHIC SCALE IN FEET

EXHIBIT WATER MAIN INSTALLATION WINNEBAGO, COUNTY WINNEBAGO, ROCKFORD, ILLINOIS

11/21/22

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

Mailing List – Environmental Review

Project:

Winnebago

L17:

489046554

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. Frank Eubank, President
Village of Winnebago
108 West Main Street
Winnebago, IL 61088

(Continued on Back)

Local Newspaper of Record

Rockford Register Star
99 East State Street
Rockford, IL 61104

Consulting Engineer

Fehr Graham Engineering & Environmental
200 Prairie Street
Suite 208
Rockford, IL 61107
Luke Ziegler

Other Interested Parties

Chron file
Planning file
Lanina Clark

scan to: Lanina Clark

Project Manager:

Date:

Lanina Clark
3/6/24

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

Signed:

Date:

3/7/23