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March 15, 2023

Illinois Environmental Protection Agency
Infrastructure Financial Assistance Section
1021 North Grand Avenue East
Springfield, IL 62794-9276

RE: City of Evanston
Water Plant 4160V Electrical System Reliability Project
Project Plan

Dear Ms. Clark:

The City of Evanston is pursuing PWSLP funding for the subject project. Enclosed is the project planning submittal for the subject project.

This Project Plan, dated March 10, 2023 contains the following:

- a. Drinking Water Project Planning Submittal Checklist
- b. Environmental Checklist – dated March 13, 2023
- c. Project Location Map
- d. Existing User Charge and O, M, & R Certification Sheet – dated March 13, 2023
- e. Wholesale Water Supply Agreements

Please feel free to contact me at pmoyano@cityofevanston.org or 847-448-8217 with any questions.

Sincerely,

Paul Moyano, P.E.
City of Evanston
Public Works Agency

**Illinois Environmental Protection Agency
Public Water Supply Loan Program**

Project Plan

**Water Plant 4160V Electrical System Reliability
Project**

City of Evanston, Illinois



March 10, 2023

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Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Drinking Water Project Planning Submittal Checklist **Planning File**

Before the Agency will begin review of a Project Plan, all of the items below comprising the basic minimum requirements of a Project Plan must be included and the page number(s) of all items noted. Project planning must contain all pertinent information detailed in Ill. Adm. Code 35 Section 662.320(e). The loan applicant should be familiar with their planning responsibilities as detailed in Sections 662.320 and 662.330.

Complete this form online using Adobe Acrobat Reader, save it to your computer, then print and sign it.

Loan Applicant: City of Evanston

Consulting Engineer: Greeley and Hansen Phone Number: 312.802.5255

Project Description:

The Project will include:
- replacement of the existing 500 kW natural gas driven generator, the existing 250kW diesel driven trailer mounted generator, and the existing Medium Voltage System (4160V)
- several electrical system reliability upgrades throughout the plant

Fill in the blank with the page(s) where each item below is found in the project plan. Additional information and/or examples for each item number are provided by corresponding numbers contained in the attached instructions.

No.	Page(s) or Comment	Information
1.	Section 1, Pages 1 to 1	Loan applicant's background, total population served by the applicant, customer base, and project location information.
2.	Section 2, Pages 2 to 2	Detailed description of the EXISTING public water supply source(s), treatment facilities, water storage facilities, and distribution system.
3.	Section 3, Pages 3 to 3	Project description that explains the need and justification of the proposed project, including the benefits of the project.
4.	Section 4, Pages 3 to 3	Discussion of the system's compliance with all applicable laws and regulations governing public water systems.
5.	Section 5, Pages 3 to 3	Basis of design for chosen alternative.
6.	Section 6, Pages 4 to 4	Inventory of environmental impacts of selected alternative, a discussion of the required mitigation measures, and a completed IEPA Loan Applicant Environmental Checklist form with sign-off documentation.
7.	Section 7, Pages 4 to 4 and Appendix B	Reproducible 8.5 X 11 inch map(s) showing the project(s) location(s) relative to the community.
8.	Section 8, Pages 4 to 4	An estimate of the total project costs and a detailed estimate of construction item costs.
9.	Section 9, Pages 5 to 5	Estimated loan terms, including: IEPA loan amount, interest rate, repayment period in years, and the annual loan repayment.
10.	Section 10, Pages 5 to 5	Financial arrangements for assuring adequate annual debt service and O, M, and R coverage, a description of the dedicated source of revenue necessary for loan repayment, and any other funding involved in the project.

No.	Page(s) or Comment	Information
11.	Section 11, Pages 6 to 8	Detailed description of the existing residential rate structure, water consumption, any proposed rate changes, and an example of the existing and the proposed average monthly residential bill because of the project(s).
12.	Section 12, Pages 8 to 8 and Appendix C	One copy of completed Existing User Charge and O, M, and R Certification Sheet found on page 3 (attached) should be submitted with the Project Plan.
13.	Section 13, Pages 8 to 8	Discussion of any "green" project components that are part of the proposed project.
14.	Section 14, Pages 8 to 8	Schedule for project implementation.
15.	Section 15, Pages 8 to 8	Copies of inter-governmental and/or service agreements.
16.	Section 16, Pages 8 to 8	IEPA construction permit status.
17.	Section 17, Pages 9 to 9	Name and address of the local newspaper(s).

Three (3) copies of the Project Plan and related documents should be submitted along with one (1) copy of this completed checklist (pages 1 through 3) to:

Infrastructure Financial Assistance Section (IFAS)
 Illinois Environmental Protection Agency
 1021 North Grand Avenue East
 P.O. Box 19276
 Springfield, IL 62794-9276

IFAS will distribute the planning documents to the appropriate Agency staff for review, comment, and approval. IFAS will contact the loan applicant if further information is needed. Please use the box below for any special instructions or notes.

NA

1.0 BACKGROUND

The City of Evanston (City) is located within Cook County, Illinois along Lake Michigan, and just north of the City of Chicago. The City operates and maintains a water system that serves Evanston and provides wholesale water service to nearby communities. Within Evanston, the water service area includes approximately 14,500 accounts (over 78,000 residents and numerous commercial and institutional customers).

The Evanston Water Utility provides water to a population of approximately 504,000 people; including the City of Evanston, Village of Skokie, Northwest Water Commission (Arlington Heights, Buffalo Grove, Palatine, Wheeling and Des Plaines), the Morton Grove-Niles Water Commission (Morton Grove and Niles), and the Village of Lincolnwood. By 2050, the Chicago Metropolitan Agency for Planning (CMAP) has estimated the population of these customers to be approximately 549,000.

The communal water system was originally formed in Evanston in 1874. Filter plants were built in 1914, 1924, 1948, and 1964. The 1948 expansion included the current high lift pump station, settling basins, and water quality laboratory. Major rehabilitation projects have been completed over the decades to maintain the capacity and reliability of the treatment and pumping facilities.

1.1. Projected Water Demands

The Evanston Water Treatment Plant (WTP) is rated at 108 million gallons per day (mgd). In 2021, the Average Day Demand (ADD) for treated water was approximately 47.5 mgd and the Maximum Day Demand (MDD) was 66.6 mgd. Table 1.1 provides a summary of current and projected water demand for Evanston's customer base out to the year 2030 per current the Illinois Department of Natural Resources (IDNR) Lake Michigan allocations and wholesale contractual water supply agreements. A peaking factor of 1.65 has been assumed for the 2030 MDD values based on contractual agreements and historical data. The 2021 water allocations from IDNR have also been provided for comparison. Project maximum day demands for 2030 approach the 108 mgd rated capacity of the WTP. While there are no formalized plans to expand the City's water service area beyond the current customer base, it is the City's intent to maintain its ability to operate its WTP at its full rated capacity of 108 mgd.

Table 1.1 Current and Projected Water Demands				
Customer	2021 Average Day Demand (mgd)	2021 IDNR Allocation (mgd)	2030 IDNR Allocation (mgd)	2030 Maximum Day Demand (mgd)
City of Evanston	5.8	9.5	9.7	16.0
Village of Skokie	8.0	10.8	10.8	17.9
Northwest Water Commission	25.8	37.2	38.3	55.0 ¹
Morton Grove Niles Water Commission	6.4	8.7	9.0	14.9
Village of Lincolnwood	1.5	2.4	2.4	4.0
Total	47.5	68.7	70.3	107.8
Notes:				
1) Reflects contractual maximum wholesale supply commitment.				

2.0 EXISTING FACILITIES

The City of Evanston WTP is a surface water treatment facility consisting of the three Lake Michigan raw water intakes, preliminary chemical feed and flash mix, flocculation, sedimentation, filtration, post-chlorine feed, and blended phosphate addition. The WTP site also includes low and high lift pumping and finished water storage. The rated capacity of the plant is 108 mgd.

Finished water storage at the plant consists of eight clearwells beneath the filters and a separate 5.0 million gallons (MG) clearwell. Total (gross) storage volume is 9.4 MG. The gross storage volume controls chlorine contact time for disinfection credits. However, the amount of water that can be removed from these storage facilities before breaking suction on the high service pumps (usable storage volume) is 7.2 MG. The usable storage volume is what can be relied upon to equalize fluctuations in plant production and for emergency water supply.

The City's water distribution system consists of the high lift pumping station at the water treatment plant, two standpipes (5.0 MG and 7.5 MG) each with a booster station, and approximately 157 miles of water main ranging in diameter from 3-inches to 48-inches.

2.1. Electrical System

The Evanston Water Treatment Plant is served by Commonwealth Edison (ComEd) through two 12,470 V service lines. Each service is brought into a 3750 kVA, 12,470V/4160V transformer. The transformers serve the main switchgear which distributes power to several medium voltage switchgear and pump starter

units. The switchgears distribute power to the remainder of the plant through a network of motor control centers, switchboards and panelboards. The system is generally divided into four systems; Low Lift Pumping Station, High Lift Pumping Station, Filter Plant, and Transformer Room which serves the water plant's low voltage system.

There is a 500kW natural gas driven generator set which serves as standby power for the low voltage portion of the plant. There is also a portable 250kW diesel driven generator set which serves as standby power for the Plant and off-site pump stations. Select high lift and low lift pumps can be operated by natural gas driven engines that are directly mounted to those pumps.

3.0 PROJECT NEED AND DESCRIPTION

The medium voltage switchgear located in the Transformer Room (built in 1964) and both generators are beyond their useful life and need to be replaced. In addition, the generators are undersized for current and future demands.

The Water Plant 4160V Electrical System Reliability Project will plan, design, and install new and replacement electrical equipment to maintain and improve the reliability of the water plant's electric system. Key components of the project include:

- Decommission the 500kW natural gas driven generator and 250kW diesel driven trailer mounted generator and provide adequate new standby power to the water plant.
- Replace equipment related to the Medium Voltage (4160V) system located in the Transformer Room which includes a switchgear, transformers, pump starter units, cables, conductors, conduits and a new 4160V connection point.
- Expand Garage 4 to maintain existing garage space.
- Miscellaneous distribution system upgrades throughout the Water Plant to increase electrical reliability which includes panel replacement, additional electrical metering, and uninterruptable power supply (UPS) systems replacement.
- SCADA integration
- Arc Flash Safety Program update and switchgear maintenance

4.0 REGULATORY COMPLIANCE

All Evanston water system improvements are constructed and operated in compliance with Title 35, Environmental Protection, Parts 601 through 691 of the Illinois Administrative Code.

5.0 BASIS OF DESIGN

An engineering firm has been hired to further evaluate and develop the design for replacing the existing electrical equipment. The engineering firm will produce an Engineering Report that will be the basis of the Construction Plans and Specifications.

6.0 ENVIRONMENTAL IMPACTS

The Proposed Project has been reviewed against the IEPA Loan Applicant Environmental Checklist. A summary of the review is presented in Table 6.1. An Environmental Checklist and the environmental documents referenced in the table are included in Appendix A. The environmental information provided under this Section is based on the preliminary location identified in Appendix B.

Table 6.1 Environmental Checklist Summary	
Potential Impact	Anticipated Result
<i>National Historic Preservation Act, Section 106</i>	No impact is anticipated. Illinois Historical Preservation Agency (IHPA) sign-off request is included in Appendix A.
<i>Illinois Department of Natural Resources compliance with:</i> <ul style="list-style-type: none"> • <i>Illinois Endangered Species Act</i> • <i>Illinois Natural Areas Preservation Act</i> • <i>Interagency Wetlands Protection Act</i> 	No impact is anticipated. The Ecological Compliance Assessment Tool (EcoCAT) consultation report is included in Appendix A.
<i>Projects located within any wetland, river, stream, flood plain, floodway, waterway, any body of water, or construction located within 250 feet of these areas</i>	No work will occur in the areas mentioned. No impact is anticipated. A map of the project area is provided in Appendix A.
<i>Projects located within a flood plain, or floodway, or along a jurisdictional river, lake, or stream without a mapped floodway or flood plain</i>	No work will occur in the areas mentioned. No impact is anticipated. A map of the project area is provided in Appendix A.
<i>Conversion of prime agricultural land to other uses</i>	Work will occur entirely within previously developed areas. No impact is anticipated.
<i>Growth in more than 30% reserve capacity</i>	No increase in capacity is anticipated. No secondary environmental impacts are anticipated.
<i>Chicago Metropolitan Agency for Planning (CMAP) Consultation</i>	No secondary environmental impacts are anticipated.

7.0 LOCATION MAP

The preliminary location map for the proposed Water Plant 4160V Electrical System Reliability Project is provided in Appendix B.

8.0 ESTIMATE OF PROJECT COST

The estimated costs for design and construction of the Project are outlined in Table 8.1.

Table 8.1 Estimated Pilot Project Costs	
Component	Cost
Design Engineering	\$597,280
Construction Engineering	\$550,000
Construction	\$9,509,000
General Construction Allowances	\$3,271,000
Electrical Equipment	\$3,140,000
Preliminary Field Conditions	\$18,000
Electrical Allowances	\$183,000
Equipment Installation	\$520,000
Electrical Feeder Installation	\$695,000
Contractor Overhead and Profit	\$1,174,000
Mobilization and Demobilization	\$196,000
Bonds	\$117,000
Insurance	\$117,000
Permitting	\$78,000
Construction Contingency (10.0%)	\$951,000
Total Costs	\$11,607,000
Construction Period Interest (1.5%)	\$346,000
Total Project Costs	\$11,953,000

9.0 ESTIMATED LOAN TERMS

The total project cost is estimated at \$11,953,000. The City is seeking to fund the entire balance of the project through the IEPA State Revolving Fund (SRF) Public Water Supply Loan Program (PWSLP). The projected debt repayment schedule is shown in Table 9.1. An interest rate of 1.24% was used as this is the published rate from July 1, 2022 to June 30, 2023.

Table 9.1 Debt Repayment Calculation	
Percent Funded	100%
Dollars Funded	\$11,953,000
Loan Interest Rate	1.24%
Loan Duration (Years)	20
Annual Loan Payment	\$745,867

10.0 FINANCIAL ARRANGEMENTS

Revenues for debt repayment will be generated through retail water user charges. Therefore, City customers will be responsible for 100 percent of loan repayment costs of approximately \$745,867 per year.

Revenues from retail and wholesale water sales are deposited in the Water Fund, an enterprise fund. A summary of the Water Fund budget for FY 2023, beginning January 1, 2022, is shown in the following Table 11.1. The City anticipates maintaining the Water Fund OM&R Reserve at or near the \$3,500,000 target level in future years.

Table 10.1 Water Fund Budget Summary		
	FY 2022 Year-End Estimate	FY 2023 Approved Budget
Operating Revenues		
Retail Water Sales	\$9,638,911	\$10,120,856
Wholesale Water Sales	\$13,414,862	\$13,799,378
Cross Connection Control	\$150,000	\$150,000
Bond Proceeds	\$5,618,256	\$3,498,000
IEPA Loan Proceeds	\$13,940,000	\$36,605,000
WIFIA Loan Proceeds	\$0	\$8,558,000
Grants	\$0	\$1,000,000
Phosphate Sales	\$73,000	\$75,920
Property Sales and Rentals	\$129,150	\$135,608
Other Fees and Sales	\$171,500	\$173,045
Investment Proceeds	\$7,973	\$5,332
Miscellaneous	\$159,000	\$159,000
Total Revenue	\$43,302,651	\$74,280,138
Operating Expenses		
General Support	\$2,056,827	\$1,894,145
Pumping	\$2,886,659	\$3,040,520
Filtration	\$2,983,170	\$3,337,765
Distribution	\$1,645,204	\$2,284,053
Meter Maintenance	\$283,558	\$502,347
Other Operating Expenses	\$834,750	\$889,200
Capital Outlay	\$652,599	\$1,169,714
Capital Improvement	\$25,902,607	\$57,772,500
Existing Debt Service	\$3,818,594	\$3,837,019
New Debt Service	\$0	\$1,027,136
Transfer to General Fund	\$4,049,559	\$4,171,046
Transfer to Insurance Fund	\$1,550,446	\$1,561,455
Total Expenses	\$46,663,973	\$81,486,900
Net Surplus (Deficit)	(\$3,361,322)	(\$7,206,762)
Beginning Water Fund OM&R Reserve	\$17,038,016	\$13,676,694
Ending Water Fund OM&R Reserve	\$13,676,694	\$6,469,932
Target Water Fund OM&R Reserve	\$3,500,000	\$3,500,000

11.0 RATE STRUCTURE

Evanston's retail water rates include a minimum charge for the first five units based on water meter size, and a quantity charge for every unit in excess of the first five units in the bi-monthly billing period (1 unit = 100 cubic feet or 748 gallons of water).

Current retail water rates took effect January 1, 2023. For the 5/8-inch and 3/4-inch meter sizes (the sizes most commonly used in single-family homes) the minimum charge for the first 500 cubic feet consumed in the bi-monthly billing period is \$11.88. The quantity charge for usage in excess of 500 cubic feet is \$3.33 per 100 cubic feet. Calculation of the average bi-monthly water bill (and equivalent monthly cost) for single-family residential customers under current rates is shown in Table 11.1. Data in the table reflects the 2021 consumption data with 2023 rates.

Table 11.1 Current Average Single-Family Residential Water Bill	
Bi-Monthly Minimum Charge	\$11.88
Average Water Use per Bi-Monthly Billing Period – 2021 (CCF)	15.3
Water Use Included in Minimum Charge (CCF)	5.0
Water Use Billed to Quantity Charge (CCF)	10.3
Water Quantity Rate (\$/CCF)	\$3.33
Water Quantity Charge	\$34.30
Average Bi-Monthly Residential Water Bill	\$46.18
Equivalent Monthly Water Cost	\$23.09
Notes:	
* Hundred cubic feet (CCF)	

Total billed annual water usage in Evanston was 3,087,451 CCF in 2021. Table 11.2 outlines the estimate of the annual debt service cost per CCF for this project and the maximum theoretical impact on an average single-family residential customer’s bi-monthly water bill (and equivalent monthly water cost).

Table 11.2 Average Single-Family Residential Water Bill Increase	
Annual Loan Payment (Evanston portion)	\$736,507
Annual Water Consumption in CCF (Evanston retail customers)	3,087,451
Debt Service Cost per CCF	\$0.24
Bi-Monthly Water Usage Billed at Quantity Rate (CCF)	10.3
Increase to Bi-Monthly Water Bill	\$2.46
Equivalent Monthly Water Cost Increase	\$1.23

In 2023 and 2024, the City will increase water rates by 5% and 4% respectively to support a Lead Service Line Replacement Workforce Development program. This program and its funding were approved by City Council on May 9, 2022 through Resolution 35-R-22. Revenue from the associated rate increases are not intended to fund this Electrical Reliability Project.

In 2025 the City plans on increasing the water rate by 9.82%. This increase in the water rate will be offset by a proportionate reduction in the sewer rate for an effective zero change to the overall residential utility bill. The reduction to the sewer rate is possible as the City continues to pay off the IEPA Water Pollution

Control Loan Program (WPCLP) debt service from the City’s \$210 million Combined Sewer Relief Program completed with the IEPA’s assistance between 1991 and 2009.

12.0 EXISTING USER CHARGE AND CERTIFICATIONS

Existing User Charge and OM&R Certifications have been included in Appendix C. As noted in Section 10.0, the Water Fund is operating annually in a positive balance, with a year-end target Reserves balance of \$3,500,000. The budgeted net operating income for 2023 is at a deficit of approximately \$7,206,762, which is drawing down from a high reserves balance from 2022, and ending 2023 with a projected reserves balance of \$6,469,932.

13.0 DISCUSSION OF “GREEN” PROJECT COMPONENTS

While this Project itself will not have any construction of any “green” components, this Project will include a study that:

- Evaluates opportunities to incorporate renewable energy into the water plant energy supply,
- Identifies provisions that can be included in the current design to support future implementation of potential renewable energy supplies and battery energy storage systems, and
- Identifies opportunities for future decarbonization/electrification.

14.0 PROJECT SCHEDULE

The anticipated project schedule is outlined in Table 14.1.

Table 14.1 Proposed Project Schedule	
Award Engineering Design Contract for Project	9/26/2022
Complete Final Bidding Documents	6/23/2023
Construction Contract Advertised	7/15/23
Bid Opening	9/15/23
Notice of Intent to Award	1/15/24
Notice of Award / Notice to Proceed	7/8/2024
Construction Complete	1/6/2027

15.0 INTER-GOVERNMENTAL AND/OR SERVICE AGREEMENTS

The inter-governmental agreements for the wholesale water customers are included in Appendix D.

16.0 IEPA CONSTRUCTION PERMIT STATUS

This project will require a construction permit from the IEPA. A permit application will be submitted in 2023 with the 90% drawings. An approved permit will be obtained per the requirements of the IEPA loan agreement requirements prior to construction of the proposed project.

17.0 NAME AND ADDRESS OF LOCAL NEWSPAPERS

Information for the local newspapers is provide below:

- The Chicago Sun Times
 - 30 N. Racine Avenue, 3rd Floor, Chicago, IL 60607
- The Chicago Tribune
 - 160 N. Stetson Avenue, Chicago, IL 60601
- The Daily Northwestern
 - 1999 Campus Drive, Evanston, IL 60201

Appendix A – Environmental Checklist

IEPA Loan Applicant Environmental Checklist and Certification Form

Loan Applicant: City of Evanston

L17#: _____

This form must be signed by the loan applicant's Authorized Representative. All loan applicants must provide items 1 and 2 below. The information that must be provided for items 3-8 are specific to conditions of the project. See the attached instructions that explain the requirements and provide contact information. If you believe an item is not required for your project, enter N/A instead of the date of response and provide an explanation in the planning report. For checklist items marked as N/A, also indicate the page number of the planning report where the explanation is located.

Provide records of consultation with Illinois Department of Natural Resources (IDNR), State Historic Preservation Office (SHPO) for the National Historic Preservation Act, Section 106 sign-off.

1) Date of IDNR, SHPO response: Date: 12/14/22, project will not adversely affect the historic property. The project as proposed may proceed.

Provide records of consultation with IDNR's Impact Assessment Section for evaluation pursuant to the Illinois Endangered Species Protection Act [520 ILCS 10/11], the Illinois Natural Areas Preservation Act [525 ILCS 30/17], Title 17 Illinois Administrative Code, Part 1075, and Interagency Wetlands Policy Act of 1989 (Illinois Administrative Code, Part 1090).

2) Date of EcoCAT printout: 9/23/2022

Date of IDNR follow-up letter (when protected resources are identified): Not applicable, no protected resources identified on the site.

For projects located within any wetland, river, stream, flood plain, floodway, waterway, any body of water, or construction located within 250 feet of a wetland; provide records of consultation from:

3) U.S. Army Corps of Engineers (USACE) Date of USACE response: Not applicable. Project location not within areas mentioned. See attached project map.

For projects located within a flood plain or floodway, or along a jurisdictional river, lake, or stream without a mapped floodway or flood plain, provide records of consultation from:

4) IDNR Office of Water Resources (OWR) Date of IDNR OWR response: Not applicable. Project location not within areas mentioned. See attached project map.

If the project involves conversion of prime agricultural land to other uses, provide records of consultation from:

5) Illinois Department of Agriculture (IDOA). Date of IDOA response: Not applicable. Project is not located on prime agricultural land.

If the project includes 30% or more reserve capacity for future growth in the existing or proposed service areas, provide records of consultation from all applicable environmental regulatory entities listed on this form for the known growth/development areas associated with the identified secondary/indirect environmental impacts.

6) Secondary impacts list of applicable regulatory entities and date of their responses: Not applicable. Project does not include 30% or more reserve capacity for future growth.

If any project with secondary impacts is located in a county under the jurisdiction of a Designated Water Quality Management Agency (DWQMA), which are the Greater Egypt Regional Planning & Development Commission (GERPDC), the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMAPC), and the Chicago Metropolitan Agency for Planning (CMAP), provide records of consultation from:

7) **Date of DWQMA response:** Not applicable. Project does not have any secondary impacts.

For certain projects, Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires consultation with all interested, federally recognized Indian tribes. Consultation is required if construction has the potential to affect properties that have religious or cultural significance to Indian tribes previously residing in Illinois. Check all boxes below that apply to this project. If applicable, consultation is required with the Tribal Historic Preservation Office of each interested tribe. If a response is not received in 30 days, consider consultation closed.

- Significant ground disturbance (digging)**
Examples: new sewers, utility lines (above and below ground), foundations, footings, grading, access roads. This does not include sewer lining; in-place sewer or water main replacements without an increase to the trench size; or re-building a lift station, well, or above-ground building without increasing the footprint.
- New construction in undeveloped natural areas**
Examples: treatment plants, pipelines, or other new facilities in undeveloped natural areas such as forests, etc.
- Visual changes and/or audible changes**
Examples: construction of a focal point that is out of character with the surrounding natural area, impairment of the view from an observation point in the natural landscape, impairment of the historic scenic qualities of an area, or an increase in noise levels above an acceptable standard in areas known and appreciated for their quietness.
- Atmospheric changes**
Example: introduction of lights that create skyglow in an area with a dark night sky.
- Work on a building with significant tribal association**
Examples: rehabilitation, demolition, or removal of a surviving ancient tribal structure(s), or a structure that is believed to be the location of a significant tribal event or that served as a tribal school or community hall.
- Transfer, lease, or sale of a historic property of religious and cultural significance**
Examples: Involves properties that contain archaeological sites, burial grounds, sacred landscapes or features, ceremonial areas, or structures with significant tribal association.
- None of the above apply – Tribal Consultation is Not Applicable**

8) **Date Submitted to Interested Tribes** Not applicable. **List tribes contacted below or attach a list. Indicate contact date and if a response was received. Copies of all responses must be submitted to IEPA.**

Certification: By signing this form, the Loan Applicant certifies that the applicable environmental evaluations were conducted for the proposed project locations, and if the review results for any of these environmental evaluations include recommendations, conditions, certifications, and/or permits, the Loan Applicant agrees to comply.

Signed: Luke Stowe

Loan Applicant's Authorized Representative

Date: 03 / 13 / 2023

IEPA Loan Applicant Environmental Checklist and Certification Form Instructions

To obtain Project Plan approval, a loan applicant must satisfy the IEPA that the project will comply with various State and Federal enactments for protection of historical/cultural resources, recreational areas, rivers, streams wetlands, any body of water, floodplains, river and stream banks, rare and endangered species, prime agricultural land, air and water quality and other sensitive environmental areas. These required evaluations are intended to ensure compliance with Section II, Environmental Authorities, of the USEPA Handbook for Cross-cutting Federal Authorities. Please note that in Illinois, the Wild and Scenic Rivers Act requirements only apply to a designated 17.1-mile part of the middle fork of the Vermilion River, which is located west of Danville, Illinois, in Vermilion County.

These requirements can be satisfied by providing the information noted on this checklist. This checklist itemizes the project conditions that determine which environmental evaluations are required. The loan applicant must ask the identified regulating entities to evaluate their proposed project and then provide records of consultation to the IEPA. Records of consultation consist of copies of the loan applicants request for consultation; all correspondence to document the evaluation of the project; and the final review results. If the final environmental review results include recommendations, conditions, certifications, or if permits are issued, copies must be provided as part of the records of consultation. The records of consultation for all necessary environmental evaluations must be provided to the IEPA before we can complete the project summary document (Categorical Exclusion or Preliminary Environmental Impacts Determination), which is necessary to comply with the public notification and project planning approval requirements. Depending on the site-specific project conditions, the required environmental evaluations can take two or more months to complete. If your project meets any listed conditions, it is suggested that you submit the project information to the regulating entity as soon as possible.

To determine whether evaluations by USACE (Item 3) and IDNR-OWR (Item 4) are required, loan applicants must provide the IEPA Loan Program a minimum of two maps that show the project location and the specified environmentally sensitive areas. One map must be an official floodway location map as described in Item 4 to determine whether IDNR-OWR evaluation must be conducted. One or more other maps that show wetlands, rivers, streams and any body of water as described in Item 3 must be provided to determine whether USACE evaluation must be conducted. If the project is in any one of the specified areas, the loan applicant must submit a joint application form to IDNR-OWR and/or USACE and provide records of consultation to IEPA. If the provided maps demonstrate that project is not located in the specified areas, further evaluation is not required for Items 3 and 4.

By signing the Environmental Checklist and Certification Form, the loan applicant is certifying that the correct environmental evaluations were done for all proposed project construction areas and that they will comply with all environmental requirements. **The checklist and certification form must be signed and dated by the loan applicant's Authorized Representative (not the consulting engineer) and submitted to IEPA.**

Some environmental evaluation results specify a time period that the consultation remains valid. The consultation may expire in two or three years or may be project specific. The environmental evaluations must be current and in effect when the IEPA approves the project planning. If an environmental consultation expires before IEPA loan project planning approval, the loan applicant must provide new updated records of consultation.

If you have any questions regarding this package, please contact the IEPA Infrastructure Financial Assistance Section (IFAS) in the Bureau of Water at 217/782-2027.

1) Historical/Cultural Resources - National Historic Preservation Act, Section 106

A sign-off from the Illinois Department of Natural Resources State Historic Preservation Office (SHPO) must be provided to IEPA. The request for evaluation must indicate that the project will be funded through the IEPA loan program and therefore will require a federal Section 106 Sign-off (this will also satisfy the State Agency Historic Preservation Protection Act of 1966). The sign-off may be unconditional, or it may be conditional upon the applicant agreeing to incorporate measures to protect or recover historic or archeological resources.

More information via the internet: <https://www2.illinois.gov/dnrhistoric/Preserve/Pages/Resource-Protection.aspx>

IL Historic Preservation Office phone number: (217) 782-4836

E-mail requests for SHPO review to: SHPO.Review@Illinois.gov .

2) Threatened & Endangered Species, Natural Areas, Wetlands - Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, Illinois Interagency Wetland Policy Act

All projects, except for equipment only purchases, must be evaluated by the Illinois Department of Natural Resources (IDNR) Impact Assessment Section (IAS) for potential adverse effects to protected natural resources pursuant to the Illinois Endangered Species Protection Act [520 ILCS 10/11], the Illinois Natural Areas Preservation Act [525 ILCS 30/17], Title 17 Illinois Administrative Code, Part 1075, and Interagency Wetlands Policy Act of 1989 (Illinois Administrative Code, Part 1090). Loan applicants should submit the project via IDNR's EcoCAT website at: <https://dnr2.illinois.gov/EcoPublic/>. Applicants must then provide copies of the following records of consultation to IEPA:

- An EcoCAT review report which states that consultation under Part 1075 is terminated and that the wetland review under Part 1090 is terminated. If protected resources are identified, also provide;
- A letter from IDNR terminating the Part 1075 consultation and the Part 1090 wetland review because adverse effects are unlikely, or
- A letter from IDNR detailing any recommendations or measures which must be taken to avoid, minimize or mitigate adverse effects. All recommendations or measures must be incorporated into the project bidding and construction contract specifications.

Loan applicants may contact IDNR, IAS in at: Illinois Department of Natural Resources
Office of Realty and Capital Planning, Impact Assessment Section
One Natural Resources Way
Springfield, Illinois 62702-1271
Phone: 217-785-5500
Email: DNR.Ecocat@Illinois.gov

Reminder: Fees are not applicable to consultations required by State or Federal Government projects. If this consultation is for an IEPA funded project, do not pay the fee.

3) U.S. Army Corps of Engineers (USACE) for construction located within a river, stream, wetland, flood plain, floodway, waterway, or any body of water; or construction within 250 feet of a wetland.

To demonstrate compliance, all applicants must provide a copy of an area topographic or satellite image map that shows the project location and at least one-quarter mile of surrounding area and identifies all the following areas: rivers, streams, wetlands, flood plains, floodways, waterways, or any body of water or that will verify these areas are not present. The origin of the map must be provided. It is acceptable to provide as many maps as necessary to show the listed environmentally sensitive areas. Please note that an official flood plain/floodway map must be provided separately for item 4 below. If the project is not located in the listed areas, Item 3 of the checklist can be marked N/A and further evaluation by USACE is not necessary.

For all projects located in any of these areas, the loan applicant must submit a Joint Application Form and supporting project information to USACE. If the review results obtained from the IDNR Eco-CAT, Part 1090 Wetland Protection Act evaluation identify wetlands within 250 feet of the project location, the loan applicant must submit the project to USACE for evaluation, regardless of whether the Eco-CAT review was terminated. If the project locations are in previously disturbed areas; or directional boring will be used, the USACE evaluation must still be conducted.

The Joint Application Form is available on the USACE website at this link: <https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/Obtain-a-Permit/>. Click on Applications and Application Information to see several options for District Specific Permit information. **Attachment A** to this guidance provides a map and addresses to help you determine the appropriate Army Corps of Engineers District Office for your project.

When USACE evaluation is required, the loan applicant must provide IEPA with a copy of the evaluation request and the review results that were obtained from USACE. Acceptable review results must be from the regulating entity and may consist of a letter or email stating that the project is not regulated, and/or a permit is not required. If the review results include recommendations, conditions, and/or permits, the loan applicant must provide IEPA with a copy of all correspondence. If recommendations, conditions and/or permits are issued, the applicant must comply. The conditions must be included within the bidding and construction contract documents before a loan is issued.

4) IDNR Office of Water Resources (OWR) for projects located within a flood plain or floodway, or along a jurisdictional river, lake, or stream without a mapped floodway or floodplain

IDNR/OWR has jurisdiction on any river, lake, or stream with a drainage area greater than one square mile in an urban area, or ten square miles in a rural area.

To demonstrate compliance, all applicants must provide a copy of an official floodways area map that shows the project location and at least one-quarter mile of surrounding area. Acceptable floodway location maps can be the Flood Insurance Rate Map for the project location's county or community, or from the Federal Emergency Management Agency (FEMA). The origin of the map must be provided. Some flood plain areas regulated by the IDNR-OWR have not been identified on flood insurance rate or FEMA mapping. If the project is located in an area that is not shown on an official flood insurance rate or FEMA map, the loan applicant must provide a topographic or satellite image map that documents the project is not in the flood plain of any river, lake, or stream with a drainage area greater than one square mile in an urban area or ten square miles in a rural area. A printout report from the U.S. Geological Survey (USGS) StreamStats website that shows the square miles of the drainage area (Parameter Code DRNAREA) can be used to document flood drainage areas in unmapped locations. The StreamStats website is at: <https://water.usgs.gov/osw/streamstats/>.

If the project is not located within a flood plain or floodway or jurisdictional area, Item 4 of the checklist form can be marked as N/A and further evaluation by IDNR-OWR is not necessary.

If the project is located within any area designated as a flood plain or floodway area, or along a jurisdictional river, lake or stream without a mapped floodway or floodplain, the loan applicant must submit a Joint Application Form and supporting project information to IDNR-OWR. If the project locations are in previously disturbed areas; or directional boring will be used, the IDNR-OWR evaluation must still be conducted. **The Joint Application Form** is available on IDNR's website:

<https://www2.illinois.gov/dnr/WaterResources/Pages/PermitApplicationandInstructions.aspx>

When IDNR OWR evaluation is required, the loan applicant must provide IEPA with a copy of the evaluation request and the review results that were obtained from IDNR OWR. Acceptable review results must be from the regulating entity and may consist of a letter or email stating that the project is not regulated, and/or a permit is not required. If the review results include recommendations, conditions, and/or permits, the loan applicant must provide IEPA with a copy of all correspondence and agree to comply. The conditions must be included within the bidding and construction contract documents before a loan is issued.

IDNR OWR contact information: <https://www.dnr.illinois.gov/WaterResources/Pages/ResourceManagement.aspx>

Projects in Cook, Lake, McHenry, DuPage, Kane and Will Counties	Illinois Department of Natural Resources – Office of Water Resources Division of Resource Management 2050 West Stearns Road Bartlett, Illinois 60103	phone: 847/608-3100
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Projects in remainder of the State	Illinois Department of Natural Resources – Office of Water Resources Downstate Regulatory Programs Section One Natural Resources Way Springfield, Illinois 62702-1271	phone: 217/782-3863
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5) Conversion of Prime Agricultural Land to Other Uses (Federal Farmland Preservation Policy Act)

If the project involves permanent conversion of prime agricultural land to other uses, a description and map of the area to be converted along with a discussion of the necessity of utilizing prime agricultural land for the project must be provided. A copy of the evaluation request and review results must be provided to IEPA. If prime agricultural land is being converted, comments should be obtained from the IL Department of Agriculture, Bureau of Land & Water Resources: <https://www2.illinois.gov/sites/agr/Resources/LandWater/Documents/agsitereview.pdf>

Or by writing: Illinois Department of Agriculture, Bureau of Land and Water Resources,
P.O. Box 19281, State Fairgrounds
Springfield, IL 62794-9281
Phone: (217) 785-4389

6) Secondary Environmental Impacts

Projects that include 30% or more reserve capacity for future growth in the existing or proposed service areas, must include a discussion of the potential secondary impacts of the proposed project(s) in the planning documents. The loan applicant must identify reasonably foreseeable secondary/indirect environmental impacts from the project that are likely to occur. Secondary/ indirect impacts can include changes in the rate, density, type of development or use of open space, floodplain, prime agricultural land, impacts to historical/cultural resources, endangered or threatened species, natural areas, wetlands, rivers and streams, floodways, waterways, or any body of water. Provide a map that shows all proposed growth/development areas. The impacts to sensitive ecosystems due to induced growth must be evaluated and appropriate measures for mitigation proposed if necessary.

Projects that have 30% or more reserve growth capacity and know the actual location of growth/development areas, must also submit these known growth/development areas for evaluation to the same regulating entities listed above that evaluate the identified project construction areas. For example: If a WWTP is being expanded to a capacity that

is 30% more than the existing capacity for reasons that includes serving a new 40-acre subdivision, the 40-acre property must be evaluated for environmental impacts using the same criteria listed in items 1-5 and 8 of this checklist. These secondary environmental impacts evaluations must be identified separately from the project's direct construction impacts. A copy of the evaluation requests and records of consultation must be provided to the IEPA. If recommendations, conditions and/or permits are issued, the loan applicant must agree to the conditions and to include them in the bidding and construction contract documents before a loan is issued.

7) Designated Water Quality Management Agency (DWQMA) Consultation/Sign-off

This evaluation is only applicable to projects that identify secondary impacts as noted in item 6 above and are in any of the counties covered by a Designated Water Quality Management Agency (DWQMA) that are identified in **Attachment B** and the contact information below. The DWQMA will determine whether the project is consistent with that Agency's goals, future growth service areas, and their Water Quality Management Plans. A copy of the evaluation requests and records of consultation must be provided to the IEPA. If recommendations and/or conditions are issued, the loan applicant must agree to the conditions and to include them in the bidding and construction contract documents before a loan is issued. See Item No. 6 for a list of secondary impacts. Contact information for DWQMAs is below.

Chicago Metropolitan Agency for Planning (CMAP)
233 South Wacker Drive
Suite 800
Chicago, Illinois 60606
(312) 454-0400
<https://www.cmap.illinois.gov/>

Counties: Cook, DuPage, Kane,
Kendall, Lake, McHenry, Will

Greater Egypt Regional Planning & Development Commission
3000 West DeYoung St.
Suite 800B-3
Marion, Illinois 62959
(618) 997-9351
<http://greateregyp.org/>

Counties: Franklin,
Jefferson, Jackson,
Perry, Williamson

Southwestern Illinois Metropolitan and Regional Planning
Commission
10025 Bunkum Road, #201
Fairview Heights, Illinois 62208
(618) 344-4250
<https://simapc.org/>

Counties: Bond, Clinton, Madison
Monroe, Randolph, St. Clair,
Washington

8) Tribal Consultations

Section 106 of the National Historic Preservation Act of 1966 (NHPA) states that when federal monies are involved, consultation with the Tribal Historic Preservation Office (THPO) of all federally recognized, interested tribes must occur. Interested tribes include those previously residing in Illinois. The purpose is to preserve and protect tribal heritage through consultations, investigations, and planning efforts, and to comply with cultural resource laws. The Section 106 review process requires initiation of consultation by notifying the appropriate tribes, after which time consulting tribes are allowed at least 30 days to provide comments.

The US Department of Housing & Urban Development's Office of Environment and Energy developed an application called the Tribal Directory Assessment Tool (TDAT) to help users identify tribes that may have an interest in a location down to the county level. The TDAT is accessible through the following link:
[\(https://egis.hud.gov/TDAT/\)](https://egis.hud.gov/TDAT/)

Consultation is required if construction has the potential to affect properties that have religious or cultural significance to Indian tribes previously residing in Illinois. The checklist on Page No. 2 of this document may be used to determine if tribal consultation is required. If consultant is required, loan applicants should access the TDAT website using the link above to retrieve contact information for interested tribes. Tribes should then be contacted and allowed at least 30 days for comment. When a Tribal Historic Preservation Officer (THPO) is listed as a tribal contact, consultations should be directed to this individual. If no THPO is listed, other tribal representatives listed on the TDAT website should be contacted. Contact may be by formal letter or e-mail when available. An example letter is below. The letter must be signed by the applicant's authorized representative. E-mails must be sent by the loan applicant.

A list of tribes contacted, contact date, and any comments received must be submitted to IEPA with the Environmental Checklist.

Tribal Consultation Letter Example

[Date]

[Name], [Title - Preferred THPO]

[Name of Tribe] -

[Address]

Re: Section 106 Review – **[Name of Loan Applicant]/[County]**

Dear **[Title] [Last Name]**,

The **[Name of Applicant]** has applied for funding from the Illinois Environmental Protection Agency (IEPA) for **[Project Purpose: i.e., Lead Service Line Replacement; Wastewater Treatment Plant Improvements]**. IEPA provides low interest loans through the State Revolving Fund (SRF), which receives annual federal capitalization funding from USEPA. Prior to receiving planning approval, IEPA requires review of all projects to assure compliance with federal cross-cutting authorities, including Section 106 of the National Historic Preservation Act (NHPA).

In cooperation with IEPA, our municipality will conduct a review of this proposed project's location to comply with Section 106 of the National Historic Preservation Act according to procedures outlined in 36 CFR Part 800. Due to tribal interests in **[County Name]** County, IL, we invite you to be a consulting party in this review to help identify properties in the project area that may have historical, religious, or cultural significance to your tribe. If such properties are identified and the project has the potential to impact historical or cultural resources, we request guidance regarding how to avoid, minimize, or mitigate any adverse effects.

Information regarding the project is attached. If you would like to be a consulting party on this project, please respond to this letter within 30 days. Your response should include any concerns about the impact of this project. We value your opinion and if you have further questions regarding this project, please contact **[Name]** at **[e-Mail or Phone]**.

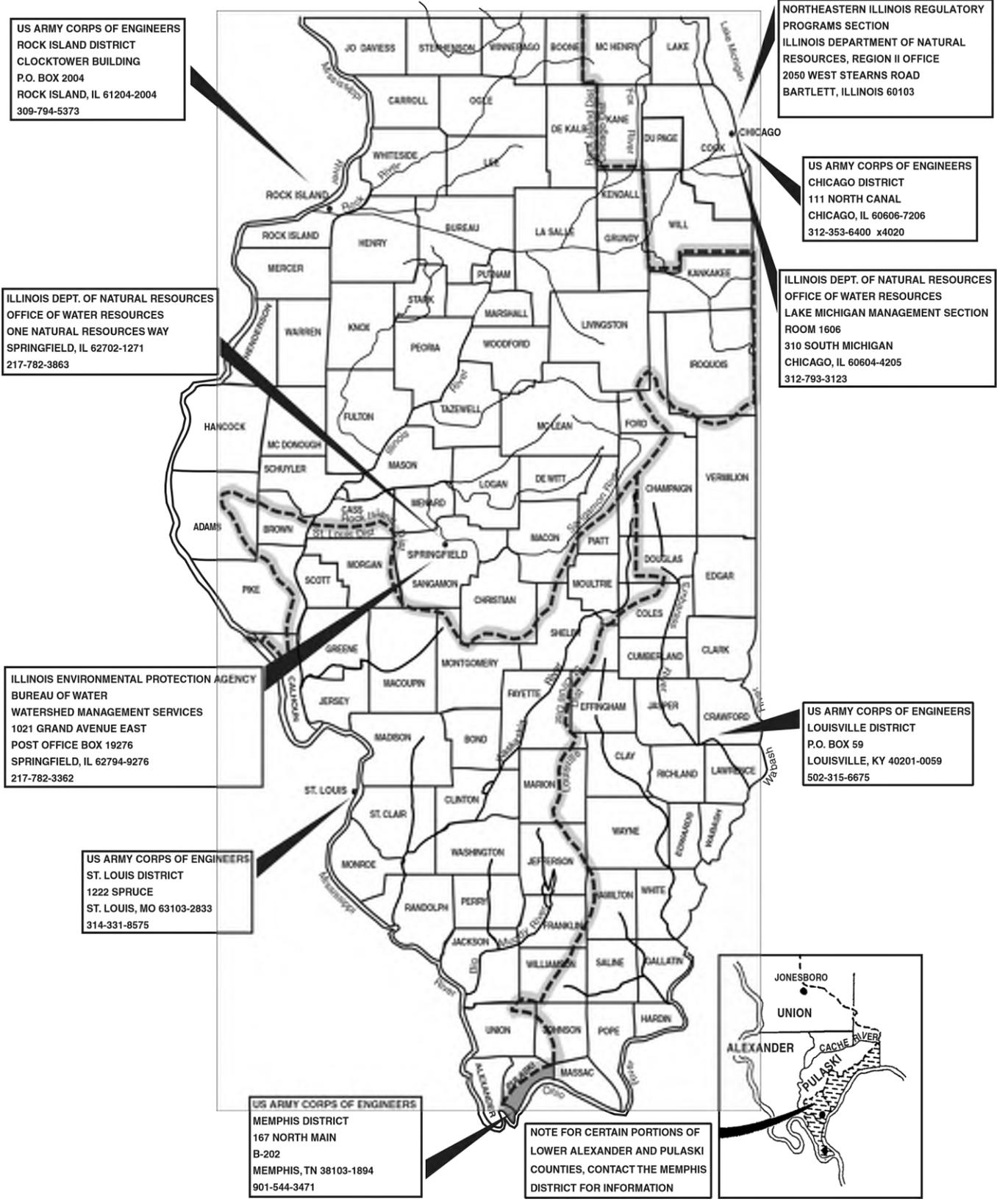
Sincerely,

[Name]

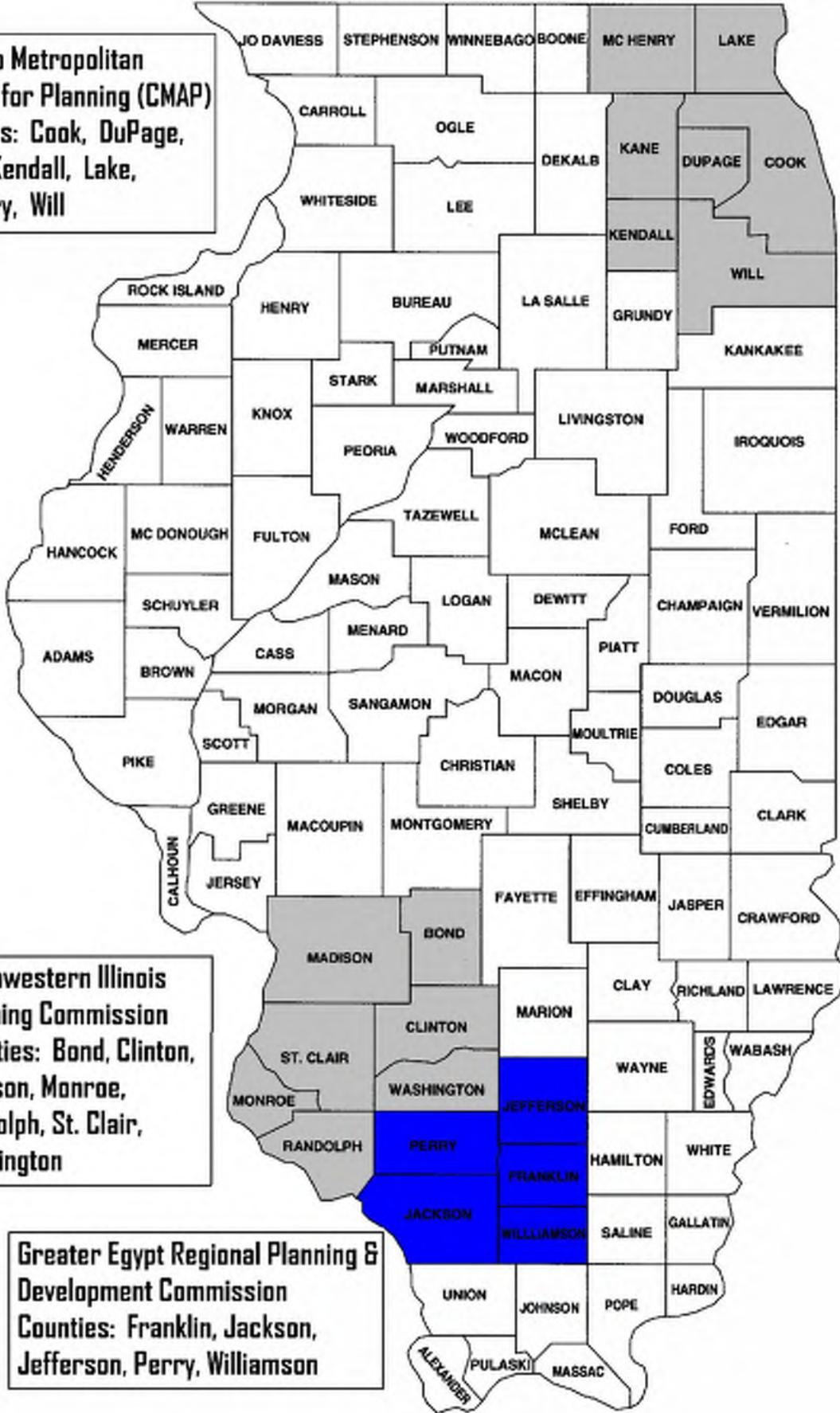
[Title]

[Organization]

Attachment A REGULATORY JURISDICTIONAL BOUNDARIES



Chicago Metropolitan Agency for Planning (CMAP)
Counties: Cook, DuPage, Kane, Kendall, Lake, McHenry, Will



Southwestern Illinois Planning Commission
Counties: Bond, Clinton, Madison, Monroe, Randolph, St. Clair, Washington

Greater Egypt Regional Planning & Development Commission
Counties: Franklin, Jackson, Jefferson, Perry, Williamson



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

JB Pritzker, Governor
Colleen Callahan, Director

**Cook County
Evanston**

**Replacement of Generators and Medium Voltage System; Electrical System Reliability & Rehabilitation and Addition to House Switchgear and Generators
555 Lincoln St.
SHPO Log #005110322**

December 14, 2022

**Ron Papa
City of Evanston, Illinois
555 Lincoln St.
Evanston, IL 60201**

Dear Mr. Papa:

Thank you for your submission of the proposed Electrical System Reliability Project at the Evanston Water Treatment Plant at 555 Lincoln Street in Evanston, Illinois, which we received on November 3, 2022 with additional information received on November 27, 2022, December 9, 2022, and December 13, 2022. Due to IEPA Revolving Loan funding, our comments are required by Section 106 of the [National Historic Preservation Act of 1966](#), as amended, 54 U.S.C. § 306108 (Act), and its [implementing regulations](#) (36 CFR Part 800).

On April 8, 2021, as part of a different undertaking (SHPO Log# 007021621), the SHPO had already determined that several buildings at the Evanston Water Treatment Plant are eligible for listing in the National Register of Historic Places (NRHP). The SHPO now believes that the entire Evanston Water Treatment Plant is eligible for listing on the NRHP under Criteria A and C at the local level of significance.

The proposed project, including the proposed expansion of Garage 4, which contributes to the historic significance of the plant, will meet the Secretary of the Interior's "Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings" (Standards) and will not adversely affect the historic property. The project as proposed may proceed.

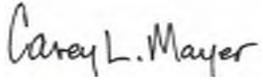
To ensure that the project will continue to meet the Standards and avoid an adverse effect, exterior elevation drawings and details regarding the Garage 4 expansion must continue to be submitted to SHPO.Review@Illinois.gov and to Darius Bryjka (Darius.Bryjka@Illinois.gov) for review and comment pursuant to the Act. Failure to submit subsequent plans for review and comment may result in an adverse effect determination.

If you have any further questions, please contact Rita Baker, Cultural Resources Manager, at 217/785-4998

**SHPO Log #005110322
December 14, 2022**

or at Rita.E.Baker@illinois.gov.

Sincerely,

Handwritten signature of Carey L. Mayer in cursive script.

Carey L. Mayer , AIA
Deputy State Historic
Preservation Officer



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor

Colleen Callahan, Director

September 23, 2022

Ronald Papa
Ron Papa
555 Lincoln Street
Evanston, IL 60201

RE: Water Plant 4160V Electrical System Reliability Project
Project Number(s): 2304750
County: Cook

Dear Applicant:

This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 and 1090 is terminated.

Consultation for Part 1075 is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Consultation for Part 1090 (Interagency Wetland Policy Act) is valid for three years.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database and the Illinois Wetlands Inventory at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Adam Rawe

Adam Rawe
Division of Ecosystems and Environment
217-785-5500

Applicant: Ron Papa
Contact: Ronald Papa
Address: 555 Lincoln Street
Evanston, IL 60201

IDNR Project Number: 2304750
Date: 09/22/2022

Project: Water Plant 4160V Electrical System Reliability Project
Address: 555 Lincoln Street, Evanston

Description: This project includes:

- replacement of the existing 500 kW natural gas driven generator and existing 250kW diesel driven trailer mounted generator
- replacement of the existing Medium Voltage System (4160V) which includes the switchgear, transformers, pump starter units, cables, conductors and conduits
- several electrical system reliability upgrades throughout the plant which includes electrical panel replacement, uninterrupted power supply systems replacement, and electrical metering addition
- development of needed physical space at the Treatment Plant to house the new switchgear and generators

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

- Ground Juniper (*Juniperus communis*)
- Marram Grass (*Ammophila breviligulata*)
- Sea Rocket (*Cakile edentula var. lacustris*)
- Seaside Spurge (*Chamaesyce polygonifolia*)

Wetland Review (Part 1090)

The Illinois Wetlands Inventory does not show wetlands within 250 feet of the project location.

An IDNR staff member will evaluate this information and contact you to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Cook

Township, Range, Section:

41N, 14E, 7



IL Department of Natural Resources
Contact
Adam Rawe
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction
IL Environmental Protection Agency
Lanina CLark
1021 North Grand Avenue East
PO Box 19276
Springfield, Illinois 62794

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.
2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.
3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

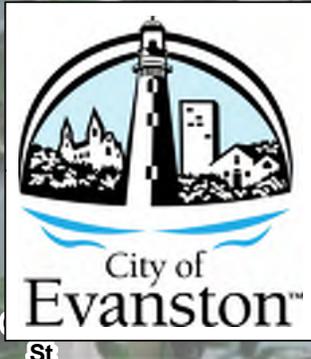
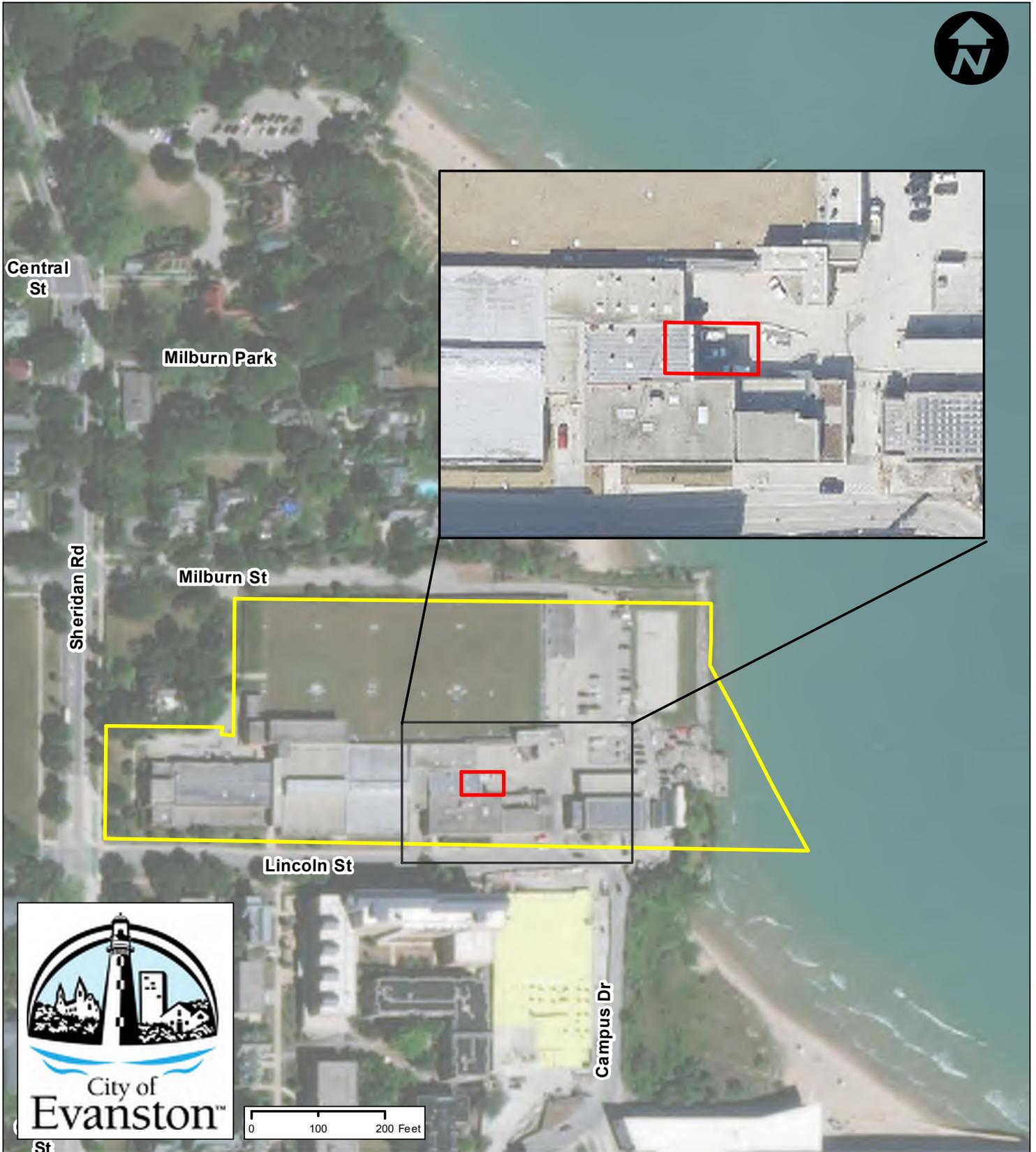
EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

Appendix B – Location Map

Project Location

LEGEND

 Project Location  Water Treatment Plant Parcel



National Flood Hazard Layer FIRMMette



87°40'47"W 42°3'58"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study

OTHER FEATURES		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/1/2023 at 12:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

**Appendix C – Existing User Charge
and O,M and R Certification Sheet**



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Existing User Charge and O, M, and R Certification Sheet

10,912 Number of current residential customers served by the system.
7.7 Actual average residential water use per customer per month (based on historical billing data)
\$23.09 Current average monthly residential bill

Provide details that apply to your specific user rate charges:

Water use charges: _____ per _____ gallons
\$3.33 per 100 cubic feet

Flat Fee or Monthly User Charge: _____

Debt Service Charge: _____

Capital Improvement Charge: _____

Wholesale Charge: _____

Meter Service Fee (average-sized meter): _____

Other Charge: \$11.88 Explain: Bi-monthly Minimum Charge (\$5.94 / month)

Other Charge: _____ Explain: _____

1. Is the water/sewer fund annually operating in a positive or negative balance at this time? (select one)

Positive Negative

2. Based upon your most recent annual budget please indicate the net operating income for your water/sewer fund:

\$6,469,932.00

- **Net Operating Income = Total Revenue - Total Cost of Providing Service**
- **Total Revenue = Revenue from user charges, commercial, residential, or wholesale, plus any other dedicated water/sewer fund revenue**
- **Total Cost of Providing Service = All Operation and Maintenance costs (including replacement fund) plus dedicated water/sewer fund debt**

3. Will a rate increase or other revenue generating action be necessary to pay for this project? (select one)

Yes No

4. If a rate increase (or other cost increase) is necessary, please provide the proposed user rate charges and proposed average monthly residential water bill as an attachment.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Luke Stowe	City Manager
_____ Authorized Representative (Printed)	_____ Title
<u>Luke Stowe</u>	03 / 13 / 2023
_____ Signature	_____ Date

Appendix D – Intergovernmental Agreements

Available upon request.

Contact Paul Moyano

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