



State of Ohio  
**Public Works Commission**  
*Application for Financial Assistance*

IMPORTANT: Please consult "Instructions for Financial Assistance for Capital Infrastructure Projects" for guidance in completion of this form.

Applicant

Applicant: Northwestern Water & Sewer District Subdivision Code: 173-00255

District Number: 5 County: Wood Date: 09/03/2019

Contact: Garret Chamberlain, P.E., Assistant Engineer Phone: (419) 354-9090  
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: gchamberlain@nwwsd.org FAX: (419) 354-9344

Project

Project Name: Ford Road Pump Station Replacement Zip Code: 43551

Subdivision Type	Project Type	Funding Request Summary
(Select one)	(Select single largest component by \$)	(Automatically populates from page 2)
<input type="checkbox"/> 1. County	<input type="checkbox"/> 1. Road	Total Project Cost: <u>2,733,475 .00</u>
<input type="checkbox"/> 2. City	<input type="checkbox"/> 2. Bridge/Culvert	1. Grant: <u>131,250 .00</u>
<input type="checkbox"/> 3. Township	<input type="checkbox"/> 3. Water Supply	2. Loan: <u>131,250 .00</u>
<input type="checkbox"/> 4. Village	<input checked="" type="checkbox"/> 4. Wastewater	3. Loan Assistance/ Credit Enhancement: <u>0 .00</u>
<input checked="" type="checkbox"/> 5. Water (6119 Water District)	<input type="checkbox"/> 5. Solid Waste	Funding Requested: <u>262,500 .00</u>
	<input type="checkbox"/> 6. Stormwater	

**District Recommendation** (To be completed by the District Committee)

Funding Type Requested	SCIP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
(Select one)		
<input type="checkbox"/> State Capital Improvement Program	RLP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<input type="checkbox"/> Local Transportation Improvement Program	Grant:	Amount: _____ .00
<input type="checkbox"/> Revolving Loan Program	LTIP:	Amount: _____ .00
<input type="checkbox"/> Small Government Program	Loan Assistance / Credit Enhancement:	Amount: _____ .00
District SG Priority: _____		

**For OPWC Use Only**

STATUS	Grant Amount: _____ .00	Loan Type: <input type="checkbox"/> SCIP <input type="checkbox"/> RLP
Project Number: _____	Loan Amount: _____ .00	Date Construction End: _____
_____	Total Funding: _____ .00	Date Maturity: _____
Release Date: _____	Local Participation: _____ %	Rate: _____ %
OPWC Approval: _____	OPWC Participation: _____ %	Term: _____ Yrs

## 1.0 Project Financial Information (All Costs Rounded to Nearest Dollar)

### 1.1 Project Estimated Costs

#### Engineering Services

Preliminary Design:	<u>58,200</u>	.00	
Final Design:	<u>166,298</u>	.00	
Construction Administration:	<u>86,902</u>	.00	
Total Engineering Services:	a.) <u>311,400</u>	.00	<u>15</u> %
Right of Way:	b.) <u>25,000</u>	.00	
Construction:	c.) <u>2,075,675</u>	.00	
Materials Purchased Directly:	d.) <u>0</u>	.00	
Permits, Advertising, Legal:	e.) <u>10,000</u>	.00	
Construction Contingencies:	f.) <u>311,400</u>	.00	<u>15</u> %
Total Estimated Costs:	g.) <u>2,733,475</u>	.00	

### 1.2 Project Financial Resources

#### Local Resources

Local In-Kind or Force Account:	a.) _____	.00	
Local Revenues:	b.) _____	.00	
Other Public Revenues:	c.) _____	.00	
ODOT / FHWA PID: _____	d.) _____	.00	
USDA Rural Development:	e.) _____	.00	
OEPA / OWDA:	f.) <u>2,470,975</u>	.00	
CDBG:	g.) _____	.00	
<input type="checkbox"/> County Entitlement or Community Dev. "Formula"			
<input type="checkbox"/> Department of Development			
Other: _____	h.) _____	.00	
Subtotal Local Resources:	i.) <u>2,470,975</u>	.00	<u>90</u> %

#### OPWC Funds (Check all requested and enter Amount)

Grant: <u>50</u> % of OPWC Funds	j.) <u>131,250</u>	.00	
Loan: <u>50</u> % of OPWC Funds	k.) <u>131,250</u>	.00	
Loan Assistance / Credit Enhancement:	l.) <u>0</u>	.00	
Subtotal OPWC Funds:	m.) <u>262,500</u>	.00	<u>10</u> %
Total Financial Resources:	n.) <u>2,733,475</u>	.00	<u>100</u> %

## 1.3 Availability of Local Funds

Attach a statement signed by the Chief Financial Officer listed in section 5.2 certifying all local resources required for the project will be available on or before the earliest date listed in the Project Schedule section. The OPWC Agreement will not be released until the local resources are certified. Failure to meet local share may result in termination of the project. Applicant needs to provide written confirmation for funds coming from other funding sources.

## 2.0 Repair / Replacement or New / Expansion

2.1 Total Portion of Project Repair / Replacement:	<u>2,352,650</u> .00	<u>86</u> %
2.2 Total Portion of Project New / Expansion:	<u>380,825</u> .00	<u>14</u> %
2.3 Total Project:	<u>2,733,475</u> .00	<u>100</u> %

A Farmland  
Preservation letter is  
required for any  
impact to farmland

## 3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date: <u>11/15/2019</u>	End Date: <u>05/01/2020</u>
3.2 Bid Advertisement and Award	Begin Date: <u>06/01/2020</u>	End Date: <u>07/15/2020</u>
3.3 Construction	Begin Date: <u>09/01/2020</u>	End Date: <u>06/30/2021</u>

Construction cannot begin prior to release of executed Project Agreement and issuance of Notice to Proceed.

Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by project official of record and approved by the Commission once the Project Agreement has been executed.

## 4.0 Project Information

If the project is multi-jurisdictional, information must be consolidated in this section.

### 4.1 Useful Life / Cost Estimate / Age of Infrastructure

Project Useful Life: 25 Years      Age: 1973 (Year built or year of last major improvement)

*Attach Registered Professional Engineer's statement, with seal or stamp and signature confirming the project's useful life indicated above and detailed cost estimate.*

### 4.2 User Information

Road or Bridge:      Current ADT \_\_\_\_\_ Year \_\_\_\_\_      Projected ADT \_\_\_\_\_ Year \_\_\_\_\_

Water / Wastewater: Based on monthly usage of 4,500 gallons per household; attach current ordinances.

Residential Water Rate      Current \$ 54.02      Proposed \$ 54.02

Number of households served: 1,376

Residential Wastewater Rate      Current \$ 86.81      Proposed \$ 86.81

Number of households served: 1,376

Stormwater: Number of households served: 0

## 4.3 Project Description

- A: **SPECIFIC LOCATION** (Supply a written location description that includes the project termini; a map does not replace this requirement.) 500 character limit.

The project is located near the intersection of White and Ford Roads in Perrysburg Township.

This project serves the residential subdivisions located within the City of Perrysburg 208 Sanitary Sewer Service Area located in the City of Perrysburg and Perrysburg Townships: These areas are generally bounded by SR795 on the south, Lime City Road on the east and Perrysburg on the west side. This project serves an approximate population of 6,000 people (3000 residential units).

- B: **PROJECT COMPONENTS** (Describe the specific work to be completed; the engineer's estimate does not replace this requirement) 1,000 character limit.

The existing pump station is proposed to be replaced to eliminate aging equipment and address flow in this collection system. Additional flow was generated by agreement with the City of Perrysburg to reroute an existing pump station at State Route 20 into the Ford Road Pump Station service area.

The pump station will include retrofitting the existing control building, flow meter and wet well to accommodate the new pumping equipment. A supplemental wet well will be constructed to generate sufficient running time for the pumps and prevent excessive wear on the pumps. The existing 16-inch force main will be reused. A new valve chamber with check valves, plug valves and accessory equipment will be constructed. Existing controls and communications equipment will be reused as much as practical. The site will be restored to existing conditions following the completion of the work.

The existing dry well structure shall be removed to make room for the new supplemental wet well.

- C: **PHYSICAL DIMENSIONS** (Describe the physical dimensions of the existing facility and the proposed facility. Include length, width, quantity and sizes, mgd capacity, etc in detail.) 500 character limit.

The pump station will be fitted with three submersible pumping units all with variable speed drives and the initial firm capacity of 4,000 gpm.

A new 12'x12'x 40' deep supplemental wet well will be provided to provide adequate running time for the pumping units.

A new 12'x12'x10' deep valve chamber with 12-inch service valves and piping for the 3 pumping units will be constructed.

## 5.0 Project Officials

Changes in Project Officials must be submitted in writing from an officer of record.

### 5.1 Chief Executive Officer (Person authorized in legislation to sign project agreements)

Name: Jerry Greiner  
Title: President  
Address: 12560 Middleton Pike  
PO Box 348  
City: Bowling Green State: OH Zip: 43402  
Phone: (419) 354-9090  
FAX: (419) 354-9344  
E-Mail: jgreiner@nwwsd.org

### 5.2 Chief Financial Officer (Can not also serve as CEO)

Name: Kay Ball  
Title: CFO  
Address: 12560 Middleton Pike  
PO Box 348  
City: Bowling Green State: OH Zip: 43402  
Phone: (419) 354-9090  
FAX: (419) 354-9344  
E-Mail: kball@nwwsd.org

### 5.3 Project Manager

Name: Garret Chamberlain, P.E.  
Title: Assistant Engineer  
Address: 12560 Middleton Pike  
PO Box 348  
City: Bowling Green State: OH Zip: 43402  
Phone: (419) 354-9090  
FAX: (419) 354-9344  
E-Mail: gchamberlain@nwwsd.org



## 6.0 Attachments / Completeness review

Confirm in the boxes below that each item listed is attached (Check each box)

- ☒ A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.
- ☒ A certification signed by the applicant's chief financial officer stating the amount of all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.
- ☒ A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's seal or stamp and signature.
- ☐ A cooperative agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.
- ☒ Farmland Preservation Review - The Governor's Executive Order 98-IV, "Ohio Farmland Protection Policy" requires the Commission to establish guidelines on how it will take protection of productive agricultural and grazing land into account in its funding decision making process. Please include a Farm Land Preservation statement for projects that have an impact on farmland.
- ☐ Capital Improvements Report. CIR Required by O.R.C. Chapter 164.06 on standard form.
- ☒ Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your local District Public Works Integrating Committee.

## 7.0 Applicant Certification

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

**Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding from the project.**

Jerry Greiner, President

Certifying Representative (Printed form, Type or Print Name and Title)

Original Signature / Date Signed

1/9/16/2019

RESOLUTION NO. 2019-96

Authorization to participate in the Ohio Public	}	Northwestern Water
Works Commission State Capital Improvement	}	and Sewer District
for various sewer projects	}	August 22, 2019

Trustee Michaelis moved the adoption of the following Resolution:

A resolution authorizing Jerry Greiner, President to prepare and submit an application to participate in the Ohio Public Works Commission State Capital Improvement and/or local transportation improvement program(s) and to execute contracts as required.

WHEREAS, the State Capital Improvement Program and the Local Transportation Improvement Program both provide financial assistance to political subdivisions for capital improvements to public infrastructure, and

WHEREAS, the Northwestern Water and Sewer District is planning to make capital improvements to the pumpstation at the Willowbend Subdivision; and

WHEREAS, The Northwestern Water and Sewer District is planning to make capital improvements to the pumpstation at Ford Road; and

WHEREAS, the infrastructure improvements herein above described are considered to be a priority need for the community and are qualified projects under the OPWC programs,

NOW THEREFORE, BE IT RESOLVED by the Northwestern Water and Sewer District:

Section 1: The President is hereby authorized to apply to the OPWC for funds as described above.

Section 2: The President is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

RESOLVED, That this Northwestern Water and Sewer District Board of Trustees

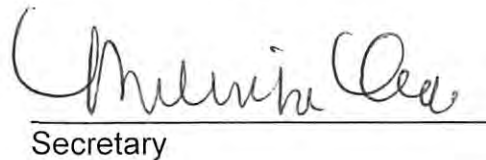


hereby finds and determines that all formal actions relative to the passage of this resolution were taken in open meetings of this Board, and that all deliberations of the Board and of its committees, if any, which resulted in formal action, were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22, Ohio Revised Code.

Trustee Armstrong seconded the resolution and the roll being called on its adoption, the vote resulted as follows:

YES 8 NO 0 ABSTAIN 0

  
Chairman

  
Secretary

Attest:   
Clerk of the Board





**CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS /  
LOAN REPAYMENT LETTER**

September 6, 2019

I, Kay Ball of the Northwestern Water & Sewer District, hereby certify that the Northwestern Water and Sewer District has the amount of \$2,470,975.00 in the treasury and that this amount will be used to pay the local share for the Ford Road Pumpstation Replacement project when it is required.

The loan amount \$131,250.00 will be paid out of the Northwestern Water and Sewer District's revenue funds and that this amount will be used to pay the Ohio Public Works Commission SCIP or RLP loan requested for the Ford Road Pumpstation Replacement project over the loan term of twenty (20) years.

A handwritten signature in blue ink, appearing to read "Kay Ball".

Kay Ball  
CFO

*Responsible for every drop.*

# Engineers Opinion of Construction Cost - Conceptual

Client	Northwestern Water and Sewer District	Date	9/3/2019
Project	Ford Road Pump Station Replacement	Estimator	TAB
Option	Supplemental Wet Well and	Checked By	KAW
	Existing Building Refurbishment	Project No.	796-7552.001

Item No.	Description	Qty.	Unit	Unit Amount	Total Amount
<b>General and Contract</b>					
	Mobilization and Demobilization	1	LS	\$ 188,700.00	\$ 188,700.00
	Bypass Pumping	1	LS	\$ 180,000.00	\$ 180,000.00
<b>Site Work</b>					
	Storm Water Pollution Prevention	1	LS	\$ 2,000.00	\$ 2,000.00
	Security Fencing	50	LF	\$ 50.00	\$ 2,500.00
	Site Preparation	1	LS	\$ 5,000.00	\$ 5,000.00
	Asphalt Parking Area	45	SY	\$ 110.00	\$ 4,950.00
	Landscaping / Site Work	1	LS	\$ 5,000.00	\$ 5,000.00
	Construction and Removal of Staging Area	1	LS	\$ 10,000.00	\$ 10,000.00
<b>Demolition and Rehabilitation Existing Structures</b>					
	Remove Existing Pump Station Dry Well Enclosure	1	LS	\$ 25,000.00	\$ 25,000.00
	Dry Well Pump and Piping Salvaging	1	LS	\$ 5,000.00	\$ 5,000.00
	Refurbish Existing Flow Meter	1	LS	\$ 5,000.00	\$ 5,000.00
	Protective Coating and Refurbish Existing Wet Well	2000	SF	\$ 20.00	\$ 40,000.00
	Demolish Existing Wet Well Stairs and Equipment	1	LS	\$ 15,000.00	\$ 15,000.00
	Pump Station Control Building Rehabilitation	1	LS	\$ 25,000.00	\$ 25,000.00
	Epoxy Anchors for Connection of New Wall to Ex Slab	150	EA	\$ 75.00	\$ 11,250.00
	New 42" Wall Core & Sleeve	1	LS	\$ 10,000.00	\$ 10,000.00
	Backup Generator Refurbished	1	LS	\$ 10,000.00	\$ 10,000.00
<b>Supplemental Wet Well &amp; Valve Structure</b>					
	Cast-in-Place Supplemental Wet Well	288	CY	\$ 750.00	\$ 216,000.00
	Cast-in-Place Valve Structure	35	CY	\$ 600.00	\$ 21,000.00
	Excavation (All Structures)	815	CY	\$ 55.00	\$ 44,825.00
	Shoring Supplemental Wet Well	4050	SF	\$ 47.00	\$ 190,350.00
	Shoring Valve Structure	720	SF	\$ 30.00	\$ 21,600.00
	Backfill (All Structures)	300	CY	\$ 45.00	\$ 13,500.00
	Dewatering of Excavation	3	MO	\$ 15,000.00	\$ 45,000.00
	Floor Doors	8	EA	\$ 8,500.00	\$ 68,000.00
	42" Sanitary Sewer	10	LF	\$ 1,500.00	\$ 15,000.00
	42" Wall Sleeve	1	LS	\$ 5,000.00	\$ 5,000.00
	Wall Sleeves	8	EA	\$ 2,000.00	\$ 16,000.00
	Goosneck Vents	2	EA	\$ 2,500.00	\$ 5,000.00
<b>Pumps and Equipment</b>					
	Pump Station Piping	220	LF	\$ 250.00	\$ 55,000.00
	16" Class 350 DIP Force Main Piping	20	LF	\$ 250.00	\$ 5,000.00
	Pumps (400 hp)	3	EA	\$ 200,000.00	\$ 600,000.00
	Level Transmitters / Floats	1	LS	\$ 15,000.00	\$ 15,000.00
	36" Sluice Gate	1	LS	\$ 25,000.00	\$ 25,000.00
	Valve Structure - 12-inch Check Valve	3	EA	\$ 5,000.00	\$ 15,000.00
	Valve Structure - 12-inch Plug Valve	3	EA	\$ 5,000.00	\$ 15,000.00
<b>Appurtenances</b>					
	Chemical Feed (Reused Existing Tank)	1	LS	\$ 15,000.00	\$ 15,000.00
<b>Electrical and Controls</b>					
	Electrical	1	LS	\$ 30,000.00	\$ 30,000.00
	Electric Service Upgrade	1	LS	\$ 20,000.00	\$ 20,000.00
	Controls / Programming	1	LS	\$ 40,000.00	\$ 40,000.00
	Communications	1	LS	\$ 35,000.00	\$ 35,000.00
<b>Construction Cost Subtotal</b>					<b>\$ 2,075,675.00</b>
Construction Contingencies (15%)					\$ 311,400.00
Permitting					\$ 10,000.00
Legal / Property / Easements					\$ 25,000.00
Design & Construction Engineering (15%)					\$ 311,400.00
<b>Total Opinion of Project Cost</b>					<b>\$ 2,733,475.00</b>

Project Useful Life 25 Years

Age of Infrastructure 44 Years

I, Theodore A. Bennett, certify to the best of my knowledge, the Engineer's Opinion of Probable Cost and Estimated Project Useful Life are true and accurate.

*Theodore A. Bennett* 9/4/19  
Theodore A. Bennett, P.E.







## FARMLAND PRESERVATION REVIEW LETTER

### FARMLAND PRESERVATION REVIEW FOR THE OHIO PUBLIC WORKS COMMISSION

Ford Road Pumpstation Improvements  
September 6, 2019

This review is to comply with Farmland Preservation Review Advisory of the Ohio Public Works Commission and the Governor's Executive Order 98-IIV. This review was accomplished by the Northwestern Water & Sewer District.

1. The immediate impact the project will have on productive agricultural and grazing land related to land acquisition.


The immediate impact that the project will have on productive agricultural and grazing land will be limited to the area where the existing soils are disturbed to allow the sanitary sewer facilities to be installed by most likely an open-cut method. The land that the existing pumpstation is located was purchased by The District.

2. Indirect impact that will result in the loss of productive agricultural and grazing land from development related to the project.

The project's disturbed areas will be returned to agricultural use upon completion of the project.

3. Mitigation measures that could be implemented when alternative sites or locations are not feasible.

The District will compensate the owners of any impacted farmland for crop damages resulting from the work.



Jerry Greiner, President

9/6/2019

Date

*Responsible for every drop.*

12560 Middleton Pike • P.O. Box 348 • Bowling Green, Ohio 43402  
Fax: (419) 354-9344 • (877) 354-9090 • [www.nwwsd.org](http://www.nwwsd.org) • E-mail: [district@nwwsd.org](mailto:district@nwwsd.org)  
This institution is an equal opportunity provider

## Executive Summary

The Northwestern Water & Sewer District (the District) is proposing to make improvements to the Ford Road Pump Station located in Perrysburg Township, Ohio. This pump station collects sanitary sewage from an equivalent population of roughly 6,000 persons (530 gpm) in Perrysburg Township and the City of Perrysburg. Figure 1.0 below shows the Site of the Ford Road Pump Station. The current pump station has had periodic maintenance level work performed as needed, but the pump station has reached the end of its service life at 46-years of age and is in need of full replacement. Herein we will discuss the need for a new pump station.



Figure 1.0 – Ford Pump Station Site, Spring 2018

Record pumping data indicates the firm pumping capacity of this pump station to be approximately 3,100 gpm. During dry weather and typical wet weather conditions, the existing pumping capacity is sufficient to maintain typical flows around 530 gpm.

The primary issue at this pump station is related to worn mechanical equipment and limited space for expanding the existing station. The pumping room is located roughly 40-feet below grade and is subject to flooding which has in the past ruined the electrical components of the station. The proposed improvements involve replacing the existing pump station with a new submersible style pump station with pumps installed in a below grade wet well. A goal will be eliminating the potential for flood damage by moving the electrical and control components to an above grade building. The new pumping capacity will be on the order of 4,000 gpm to help reduce the potential for sanitary sewer overflows.



## Introduction

The District operates the Ford Road Pump Station located at near the intersection of White and Ford Roads in Perrysburg Township, Ohio. This pump station was built in 1973 and services around 1,000 sewer customers. This pump station conveys this wastewater to the City of Perrysburg Wastewater Treatment Plant (WWTP) via a force main running along the CSX Railroad Right-of-way.

The Ford Road Pump Station is part of the wastewater collection system in the Perrysburg Sanitary Sewer Service Area owned and operated by the District. The District, formed in 1994, is the descendant of the Wood County Sanitary Engineer and Wood County Regional Water & Sewer District. Figure 2 shows the location of the Ford Pump Station. The service area for this pump station is referenced in the District's numbering scheme as the SS-300 and SS-400 areas. Figure 3 shows the extent of the service area.



Figure 2 - Map of Northwestern Water & Sewer District, Ford Road Pump Station Location

## Ford Road Pump Station Sewer Service Area

The Northwestern Water & Sewer District's SS-300 and SS-400 areas comprise areas served by the District with sanitary sewers that flow into the City of Perrysburg, Ohio for treatment. A map showing the service areas of the SS-400 and SS-300 areas relative to the City of Perrysburg are shown in Figure 3.

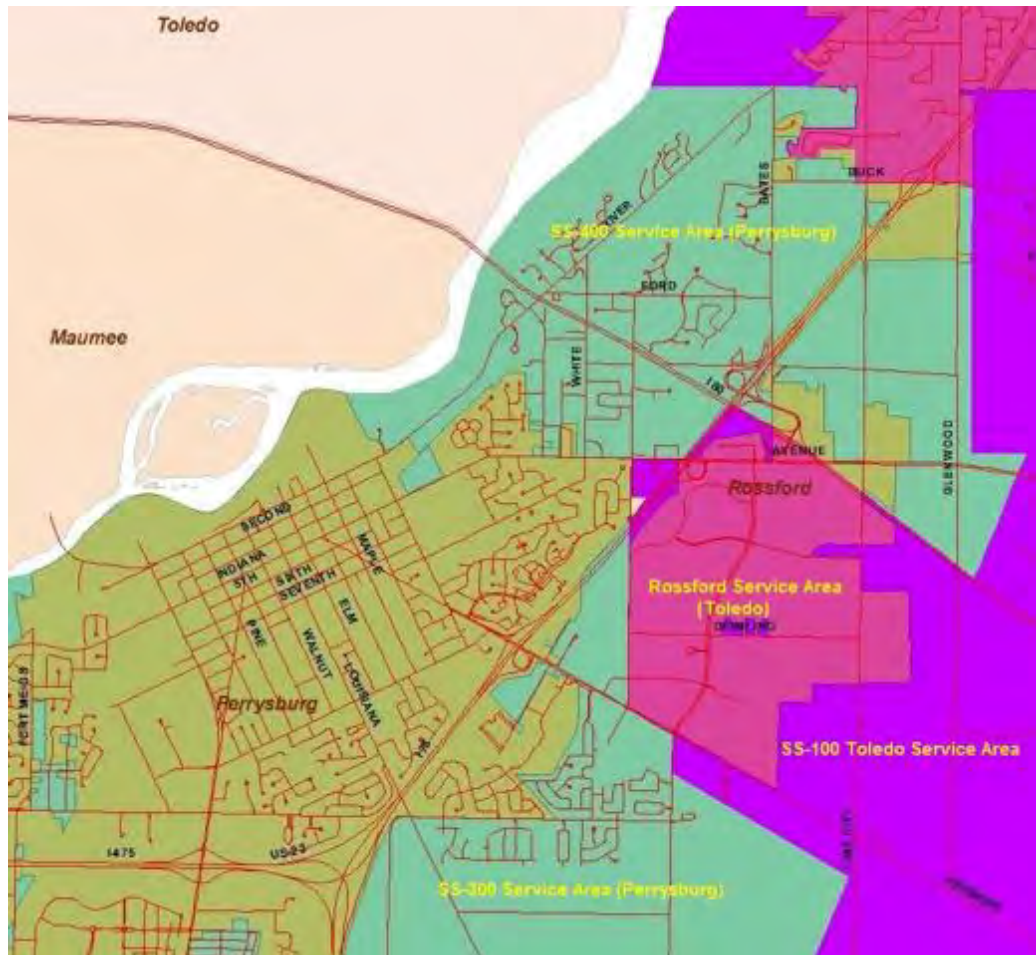


Figure 3 – SS-300 / 400 Sanitary Sewer Service Area (Perrysburg FPA, (TMACOG, 2016))

## Ford Road Pump Station Background and History

The Ford Road Pump Station was constructed in 1973 as part of an expansion to the Wood County Sanitary Engineer's wastewater collection system to provide sewage collection in an unsewered portion of the county for the purpose of improving water quality in the Grassy Creek Watershed. The pump station and deep gravity sewers included in the initial project established sanitary sewer service in Perrysburg Township, east of the City of Perrysburg.

The Ford Road Pump Station is located near White and Ford Roads and pumps wastewater into the City of Perrysburg collection system via a 16-inch PVC force main running along the CSX railroad right-of-way to a connection with the Crosstown Force Main (originally owned by the City of Perrysburg, but since dedicated to the District) at East Boundary Road. Typical dry weather flow rates are on the order of 360 gpm with a wet weather capacity of 3,100 gpm. The station is a conventional flooded suction, below grade suction lift type pump station. The dry well is a steel can type enclosure.

In 2003 and 2004, the Ford Road Pump Station was upgraded with new pumping equipment and controls. The original 12-inch (1973) asbestos cement force main was replaced in 2008 with a new 16-inch PVC force main. The purpose of the 2004 and 2008 projects was to address aging pumping

equipment and to increase the pumping capacity to meet growing demands and wet weather flow concerns in the service area.

In 2013, the District retained Jones & Henry to begin studying measures for addressing the long-term needs of the SS-300 and SS-400 areas. The work began with flow monitoring to ascertain the existing sanitary sewer flow range in the collection system. During this study, significant inflow and infiltration was identified. The results of the 2013 study work are summarized in the *Design Status Summary Report, Sanitary Sewer-400 Ford Road Retention Basin* report. J&H recommended that the District consider the following measures to address excessive amounts of inflow and infiltration; sewer rehabilitation, conveyance (pump station or force main) upgrades and flow equalization. The initial study performed in 2013 used incomplete flow monitoring data collected by others in 2011.

The need for infrastructure improvements could not be clearly quantified in the 2013 report due to the incomplete sewer data used for the initial evaluation. In February 2014, J&H provided a memorandum summarizing their review of the 2011 flow data relative to the need for more complete data (measured at all sites for the same duration) in order to develop a SWMM model. The SWMM model was needed to quantify the storage volume needed for a flow equalization or conveyance option.

In 2014, flow monitoring was performed in the SS-300 and SS-400 collection systems. The results of this flow monitoring are summarized in a report titled *SS-300 and SS-400 Sewer Flow Monitoring Report* prepared by J&H. This report identified the presence of a significant inflow and infiltration contribution during wet weather. The recommendation of this report was that the District perform remedial action on the collection system aimed at reducing the wet weather flows with the goal of future conveyance or flow equalization improvements.

Following the recommendations of the 2014 report, the District performed closed circuit television inspection of the SS-300 and SS-400 collection system in 2015 through 2016.

In 2017, the District commenced inflow and infiltration reduction improvements under a construction contract titled Perrysburg Area I&I Improvements. This project was aimed at a test and grout method to seal leaking joints along with point repairs and sectional liners. This work was performed on the public sections of the sewer main pipes. This project was completed in August of 2019.

Based upon the assumption that the 2017 project has successfully reduced inflow and infiltration, the District commenced the rerouting of the SS-300 area into the Ford Road Pump Station and abandoning the State Route 20 Pump Station. The reroute of the State Route 20 Pump Station increased the average daily flow at the Ford Road Pump Station from 360 gpm to 531 gpm.

In the spring and summer of 2019, the District and J&H commenced flow monitoring of the SS-400 system to measure the effectiveness of the 2017 through 2019 Perrysburg Area I&I Improvements.

Currently, the District is in the design phase for a Phase 2 inflow and infiltration reduction project aimed at addressing leaks in lateral sewer pipes. This project is expected to move into construction in late 2019.

With inflow and infiltration reduction assumed to have been reduced this project is expected to require a much-lowered capacity as compared with the improvements recommended in 2013. The scope of the pump station improvements will be quantified by the flow monitoring work currently in progress.

## Pumping Capacity

The pumping capacity of the existing station is on the order of 2,800 gpm to 3,100 gpm depending upon how fast the pumps are run. The station has 3 pumping units, but only one is intended to run at any given time.

This project will include a slight increase in pumping capacity to account for additional areas now draining to the pump station and to provide some capacity for future growth and improve the capability of the station to meet peak flows during wet weather. Attached to this report are the bypass pumping records for the SS-300 and SS-400 areas tributary to the Ford Road Pump Station. During extreme wet weather events the Ford Road Pump Station can become overwhelmed by inflow and infiltration exceeding the capacity of the station.

As part of the 2014 flow study a projection of the future pumping capacity was prepared and a graphic showing that computation is shown in Figure 4 below.

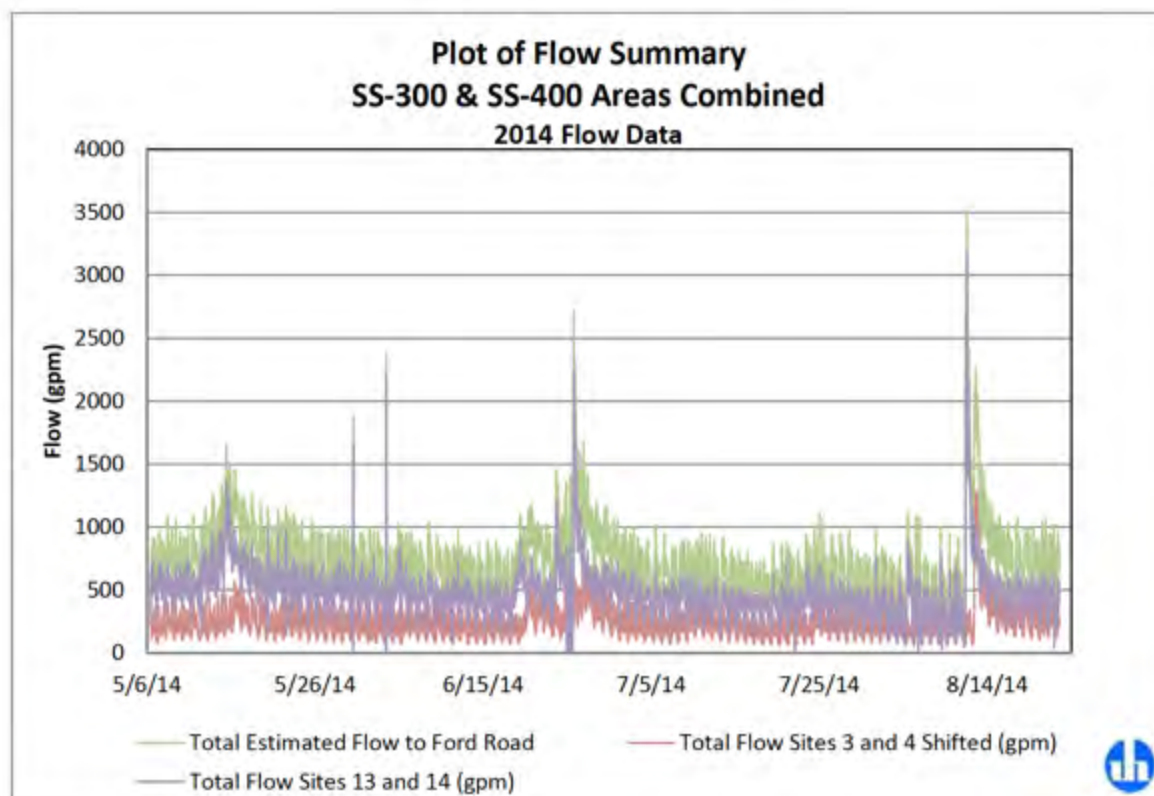


Figure 4 – Future Flow Projection (with State Route 20 Included), 2014 Flow Monitoring Study

As shown the future capacity should be increased to at a minimum of 3,500 gpm to avoid bypassing for the time period shown. It is recommended that the future pumping capacity be increased to 3,800 to 4,300 gpm to help reduce the potential for bypass pumping or sanitary sewer overflows. Flow monitoring that is being performed at the time this report is being prepared will help to confirm the future capacity of the upgraded pumping units.



## Site

Ford Road Pump Station is located on fairly constrained site, with limited space for future expansion.

A generalized site plan is included in Figure 5 below.

The site limitations relative to future improvements are clearly shown in the below site plan. Very little space exists for any additional equipment at this site. As such the full replacement of the pump station is recommended.

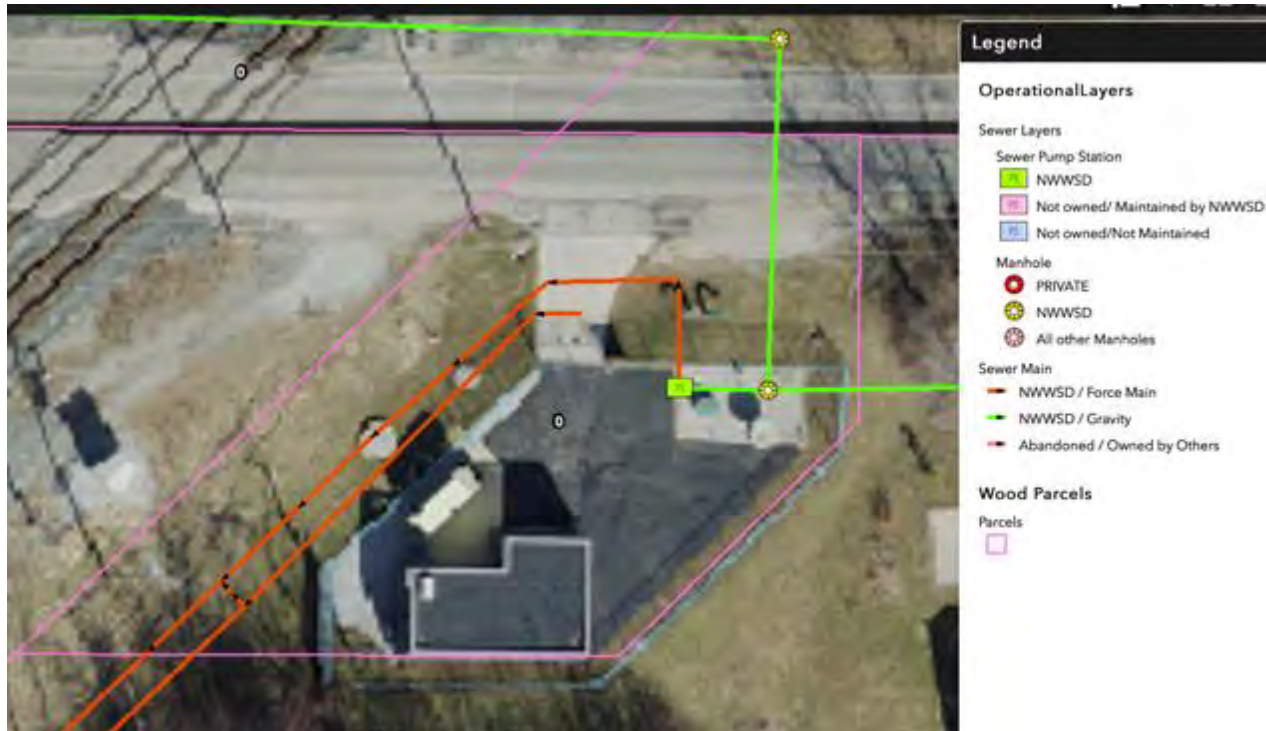


Figure 5 – Site Plan, NWWSD GIS Operational Database, 2019

## Existing Equipment

The pumping units at Ford Road Pump Station are located within a steel dry-pit, flooded-suction, pump station.

Over recent years, the maintenance of these pumping units has become more costly as the pumps have begun to wear and reach the end of their service life. Attached in Appendix B are copies of the maintenance records from recent years. The total maintenance cost for the pumps alone at Ford Road has totaled \$50,000 for parts alone. When the time and maintenance costs for the District are included (much of this work requiring overtime and after hours call-outs), the total expenditure easily exceeds \$100,000.

The installation of new pumping equipment will help to reduce these maintenance costs.

### ***Dry Well Enclosure***

The below grade location and susceptibility to flooding of the pumping equipment and associated electrical components is a primary concern for the long-term operation of the pump station. Figure 6A on the next page shows the extent of equipment located below grade in the dry pit enclosure.

An additional limitation of the steel dry well enclosure is a limitation on space available for the new pumping equipment to accommodate increased flows.



Figure 6 – Interior of Ford Road Pump Station, February 2019

In Figures 6 and 7, the limited working space within the pump station dry well is shown. This limited space makes the retrofit of new and larger pumping units challenging.



Figure 7 – Interior of Ford Road Pump Station, February 2019

In Figure 7 take particular note of the corrosion on the floor of the pump station dry well. The presence of corrosion on the floor of steel can dry wells is often a sign that the floor itself is nearing the end of its lifecycle with potentially thin areas having developed in the floor, a structural concern.

### ***Wet Well Structure***

The existing wet well equipment is in poor condition, making access for maintenance difficult and hazardous. An inspection of the wet well in 2019 has quantified the condition of the wet well. In specific most of the steel structural components have been subjected to significant deterioration from corrosion. This corrosion has severely compromised the exposed steel surfaces as shown in Figures 6, 7, 8 and 9.

The concrete surfaces of the wet well are believed to be in satisfactory condition as might permit the structure to be reused as part of a project that would install submersible pumping units into the wet well. The corroded structural components will be removed from the wet well.





Figure 8 – Ford Road Wet Well, Influent Channel, 2019



Figure 9 – Ford Road Wet Well, Influent Channel - Detail View, 2019



Figure10 – Ford Road Wet Well, Access Stairs, 2019





Figure 11 – Ford Road Wet Well, Access Stairs – Top View, 2019



## Alternatives

The primary goals of the proposed improvements to the Ford Road Pump Station are to address the long-term needs of the service area and to address the potential for flooding, aging and undersized components of the pump station.

Many of the pump station components have reached the end of their service or are undersized for the hydraulic needs of the future service area. The following is a summary of improvements required to replace the aging structures and equipment.

### No Action

Under a No Action option, there would be no improvements made to the Ford Road Pump Station or Force Main. The issues noted herein with the undersized structural components would persist and eventually function poorly and become a significant risk to the District and their customers.



A No Action option is incongruent with the District's stated mission of: *"responsible environmental stewardship, responsive public service, superior customer service, and responsible economic growth."*

We believe No Action would represent an irresponsible course of action and is not further evaluated.

### Inflow and Infiltration Reduction.

Given the past work performed by the District in this collection system it is expected that the reduction in wet weather flows related to a rehabilitation project would be minimal.

### Gravity Sanitary Sewer Outlet

One method to address the equipment and flow concerns at Ford Road Pump Station would be to construct a new gravity sewer connection to the Perrysburg WWTP and eliminate the need for pumping. This option is technically possible but with a significant cost beyond the scope of this study.

This option involves the construction of a pipe through bedrock at depths reaching 40-feet below existing grade. The construction would be performed by a tunneling method with several boring and receiving shafts required for the work. Due the cost and difficulty of this option, we have eliminated the gravity sewer option from consideration at this time.

### Pump Station Improvements

The following is a detailed description of recommended improvements to the Ford Road Pump Station required to address the undersized pump station equipment and structures.

#### ***Wet Well***

It is expected that the existing wet well can be reused and repurposed as a submersible type pump station. With a submersible style station, the electrical and control equipment will be moved above grade to prevent damage by flooding. Alone, the existing wet well is too small to generate sufficient active pumping volume for the proposed pumping rate. As such a supplemental pump station is proposed to be constructed adjacent to the existing wet well.

### ***Pumping Equipment***

New pumping equipment will be required to achieve a future firm pumping capacity. That capacity will be determined as part of the detail design for this pump station.

With some of the electrical and control equipment at Ford Road Pump Station dating from 2008, there may be some ability to reuse parts of the electrical and controls system.

### ***Service Structures and Equipment***

The following service structures will be rehabilitated and retrofitted for the new pumping equipment.

- The existing wet well will be recoated with a protective coating.
- The existing control building will be renovated to place new electrical and control equipment inside.
- The existing flow meter shall be reconditioned.
- The existing emergency generator shall be serviced and reconditioned.

This work is intended to extend the lifecycle of this equipment.

### **Pump Station Rehabilitation**

Interim measures to rehabilitate the existing facilities could be used to address some portion of the structural concerns. The rehabilitation of the existing pump station is not recommended. The existing structural components are undersized for the future needs of the service area as presented in this document and rehabilitation alone will not address the long-term requirements of the District.

### **Force Main Improvements**

At this time the existing 16-inch force main constructed in 2008 is expected to be reused. There may be some increase in pressure in the force main related to additional pumping capacity.

### **Recommendations & Conclusion**

The following is a summary of the alternatives recommended for necessary improvements at the Ford Road Pump Station. All options include the proposed replacement of the pump station as no other options will provided the required flow capacity required.

The Ford Pump Station should be replaced with a new submersible type pump station with the pumps placed in the existing retrofitted wet well.

The construction cost estimate for this option is included with this application to OWPC. The replacement and upgrade costs have been computed by allocating a portion of the costs for the pumps and additional wet well to the replacement costs relative to the percentage of those items specifically involving increased capacity. The estimated portion of the project cost as percentage of replacement costs is 86% of the total project costs.

---

## References

Jones & Henry Engineers., (June 2013). *Design Status Summary Report, Sanitary Sewer-400 Ford Road Retention Basin Improvements.*

Jones & Henry Engineers., (January 2014). Memorandum – *SS#400 Ford Road Flow Equalization Basin, Preliminary Basin Sitting and Sizing Review.*

Jones & Henry Engineers., (February 2014). Memorandum – *SS#400 / Ford Road Flow Equalization Basin, Flow Monitoring Data Review.*

Jones & Henry Engineers., (March 2015). *SS-300 and SS-400 Sewer Flow Monitoring Report.*

TMACOG 2016. Toledo Metropolitan Council of Governments. (June 2016). *TMACOG "208" Areawide Water Quality Management Plan, Sanitary Sewer Facility Planning Area.* Toledo, OH: TMACOG.

"10 States Standards" - *Recommended Standards for Wastewater Facilities - Policies for the Design, Review, and Approval of Plans and Specifications for Wastewater Collection and Treatment Facilities, 2014 Edition.* Great Lakes - Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers. Albany, NY, Health Research, Inc., Health Education Services Division. 2014.



**Division of Surface Water**  
**Non-compliance Notification for**  
**Bypasses and Upsets**

2019 - 2015  
(No SS03-2016)

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Northeast District Office: [nedo24hournpdes@epa.state.oh.us](mailto:nedo24hournpdes@epa.state.oh.us)  
Central District Office: [cdo24hournpdes@epa.state.oh.us](mailto:cdo24hournpdes@epa.state.oh.us)  
Central Office: [co24hournpdes@epa.state.oh.us](mailto:co24hournpdes@epa.state.oh.us)

2019

On a case-by-case basis it may be determined an environmental emergency exists within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, seven days a year at 1-800-621-6000.

<b>Permittee Information</b>	
Name of permittee:	Northwestern Water and Sewer District
NPDES Permit number:	None, SS400 Area, Perrysburg Township
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
<b>Date and time of discharge</b>	
Date and time(s) of discharge:	3/30/2019 - 3/31/2019
Date and time discharge discovered:	3/30/2019
<b>Description of discharge</b>	
Approximate amount of discharge:	351,660 gallons
Characteristics of discharge:	Diluted sanitary sewage
<b>Stream(s) affected by discharge</b>	
Provide the name of all streams affected by the discharge:	Grassy Creek
<b>Circumstances that created the discharge</b>	
Describe the circumstances that created the discharge:	Local flooding caused by rain water.
<b>Contact person with knowledge of discharge (if different than above)</b>	
Name:	Same as above
Telephone number:	Same as above
<b>Remedial steps</b>	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
<b>Person responsible for implementing remedial steps</b>	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171





**Division of Surface Water**  
**Non-compliance Notification for**  
**Bypasses and Upsets**

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Central Office:	<a href="mailto:co24hournpdes@epa.state.oh.us">co24hournpdes@epa.state.oh.us</a>

**On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!**

<b>Permittee Information</b>	
Name of permittee:	Northwestern Water and Sewer District
NPDES Permit number:	None, SS400 Area, Perrysburg Township
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
<b>Date and time of discharge</b>	
Date and time(s) of discharge:	4/19/2019 – 4/22/2019
Date and time discharge discovered:	4/19/2019
<b>Description of discharge</b>	
Approximate amount of discharge:	2,036,580 gallons
Characteristics of discharge:	Diluted sanitary sewage
<b>Stream(s) affected by discharge</b>	
Provide the name of all streams affected by the discharge:	Grassy Creek
<b>Circumstances that created the discharge</b>	
Describe the circumstances that created the discharge:	Local flooding caused by rain water.
<b>Contact person with knowledge of discharge (if different than above)</b>	
Name:	Same as above
Telephone number:	Same as above
<b>Remedial steps</b>	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
<b>Person responsible for implementing remedial steps</b>	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171



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Central Office: [co24hournpdes@epa.state.oh.us](mailto:co24hournpdes@epa.state.oh.us)

2018

**On a case-by-case basis it may be determined an environment emergency exists within thirty (30) minutes of discovery to Ohio EPA 24**

<b>Permittee Information</b>	
Name of permittee:	Northwestern Water and Sewer District
NPDES Permit number:	None, SS400 Area, Perrysburg Township
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
<b>Date and time of discharge</b>	
Date and time(s) of discharge:	2/21/2018 – 2/22/2018
Date and time discharge discovered:	2/21/2018
<b>Description of discharge</b>	
Approximate amount of discharge:	120,000 gallons
Characteristics of discharge:	Diluted sanitary sewage
<b>Stream(s) affected by discharge</b>	
Provide the name of all streams affected by the discharge:	Grassy Creek
<b>Circumstances that created the discharge</b>	
Describe the circumstances that created the discharge:	Local flooding caused by rain water.
<b>Contact person with knowledge of discharge (if different than above)</b>	
Name:	Same as above
Telephone number:	Same as above
<b>Remedial steps</b>	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
<b>Person responsible for implementing remedial steps</b>	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171



**Division of Surface Water**  
**Non-compliance Notification for**  
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Name of permittee:	Northwestern Water and Sewer District
NPDES Permit number:	None, SS400 Area, Perrysburg Township
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
Date and time of discharge	
Date and time(s) of discharge:	2/19/2018 – 2/20/2018
Date and time discharge discovered:	2/19/2018
Description of discharge	
Approximate amount of discharge:	343,200 gallons
Characteristics of discharge:	Diluted sanitary sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Grassy Creek
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Local flooding caused by rain water.
Contact person with knowledge of discharge (if different than above)	
Name:	Same as above
Telephone number:	Same as above
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
Person responsible for implementing remedial steps	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171



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NPDES Permit number:	None, SS400 Area, Perrysburg Township
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
<b>Date and time of discharge</b>	
Date and time(s) of discharge:	3/1/2018 – 3/2/2018
Date and time discharge discovered:	3/1/2018
<b>Description of discharge</b>	
Approximate amount of discharge:	2.4 MG
Characteristics of discharge:	Diluted sanitary sewage
<b>Stream(s) affected by discharge</b>	
Provide the name of all streams affected by the discharge:	Grassy Creek
<b>Circumstances that created the discharge</b>	
Describe the circumstances that created the discharge:	Local flooding caused by rain water.
<b>Contact person with knowledge of discharge (if different than above)</b>	
Name:	Same as above
Telephone number:	Same as above
<b>Remedial steps</b>	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
<b>Person responsible for implementing remedial steps</b>	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171





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NPDES Permit number:	None, SS400 Area, Perrysburg Township
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
<b>Date and time of discharge</b>	
Date and time(s) of discharge:	4/15/2018 – 4/16/2018
Date and time discharge discovered:	4/15/2018
<b>Description of discharge</b>	
Approximate amount of discharge:	1.06 MG
Characteristics of discharge:	Diluted sanitary sewage
<b>Stream(s) affected by discharge</b>	
Provide the name of all streams affected by the discharge:	Grassy Creek
<b>Circumstances that created the discharge</b>	
Describe the circumstances that created the discharge:	Local flooding caused by rain water.
<b>Contact person with knowledge of discharge (if different than above)</b>	
Name:	Same as above
Telephone number:	Same as above
<b>Remedial steps</b>	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
<b>Person responsible for implementing remedial steps</b>	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171



**Division of Surface Water**  
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**Bypasses and Upsets**

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Central Office: [co24hournpdes@epa.state.oh](mailto:co24hournpdes@epa.state.oh)

On a case-by-case basis it may be determined an environmental emergency exists within thirty (30) minutes of discovery to Ohio EPA.

Environmental  
282-9378!

2017

Permittee Information	
Name of permittee:	Northwestern V
NPDES Permit number:	None, SS400 A
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 e
Date and time of discharge	
Date and time(s) of discharge:	5/04/2017 - 5/0
Date and time discharge discovered:	5/04/2017
Description of discharge	
Approximate amount of discharge:	1.2 MG
Characteristics of discharge:	Diluted sanitary sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Grassy Creek
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Local flooding caused by rain water.
Contact person with knowledge of discharge (if different than above)	
Name:	Same as above
Telephone number:	Same as above
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
Person responsible for implementing remedial steps	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171



**Division of Surface Water**  
**Non-compliance Notification**  
**Bypasses and Upsets**

No 550's 2016

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Central Office: [co24hournpdes@epa.state.oh](mailto:co24hournpdes@epa.state.oh)

2015

On a case-by-case basis it may be determined an environmental emergency exists. In such cases, the permittee must notify the Ohio EPA 24-hours a day, 365 days a year, at 1-800-622-9378.

Environmental  
282-9378!

<b>Permittee Information</b>	
Name of permittee:	Northwestern Water and Sewer District
NPDES Permit number:	None, SS400 Area, Perrysburg Township
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
<b>Date and time of discharge</b>	
Date and time(s) of discharge:	05/31/2015 3:00 PM
Date and time discharge discovered:	06/01/2015 10:00 AM
<b>Description of discharge</b>	
Approximate amount of discharge:	900,000 gallons
Characteristics of discharge:	Waste water
<b>Stream(s) affected by discharge</b>	
Provide the name of all streams affected by the discharge:	Grassy Creek
<b>Circumstances that created the discharge</b>	
Describe the circumstances that created the discharge:	Surcharged sanitary sewers caused by excessive rain water.
<b>Contact person with knowledge of discharge (if different than above)</b>	
Name:	Same as above
Telephone number:	Same as above
<b>Remedial steps</b>	
Describe all remedial steps which are or will be taken to address the discharge:	Perform SSES and rehab
<b>Person responsible for implementing remedial steps</b>	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171



**Division of Surface Water**  
**Non-compliance Notification for**  
**Bypasses and Upsets**

Use this form to report non-compliance that is the result of any **unanticipated bypass or upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	<a href="mailto:sedo24hournpdes@epa.state.oh.us">sedo24hournpdes@epa.state.oh.us</a>
Southwest District Office:	<a href="mailto:swdo24hournpdes@epa.state.oh.us">swdo24hournpdes@epa.state.oh.us</a>
Northwest District Office:	<a href="mailto:nwdo24hournpdes@epa.state.oh.us">nwdo24hournpdes@epa.state.oh.us</a>
Northeast District Office:	<a href="mailto:nedo24hournpdes@epa.state.oh.us">nedo24hournpdes@epa.state.oh.us</a>
Central District Office:	<a href="mailto:cdo24hournpdes@epa.state.oh.us">cdo24hournpdes@epa.state.oh.us</a>
Central Office:	<a href="mailto:co24hournpdes@epa.state.oh.us">co24hournpdes@epa.state.oh.us</a>

**On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!**

Permittee Information	
Name of permittee:	Northwestern Water and Sewer District
NPDES Permit number:	None, SS4000, Ford Rd
Contact name for permittee:	Dan Wickard
Contact telephone number:	419-354-9090 ext. 171
Date and time of discharge	
Date and time(s) of discharge:	06/27/2015 – 06/30/2015
Date and time discharge discovered:	06/27/2015
Description of discharge	
Approximate amount of discharge:	5.5 million gallons
Characteristics of discharge:	Diluted Sanitary Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Grassy Creek
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Local flooding due to 6.5" of rainfall in a 24 hr period.
Contact person with knowledge of discharge (if different than above)	
Name:	Same as above
Telephone number:	Same as above
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	Continue to perform SSES to eliminate sources of I & I.
Person responsible for implementing remedial steps	
Name:	Dan Wickard
Telephone number:	419-354-9090 ext. 171





1900 Jetway Blvd.  
Columbus, OH 43219  
Questions: [accountsreceivable@otonet.com](mailto:accountsreceivable@otonet.com)

CUST #: 121061

BILL TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402



BY: *Claudia*

*See*


UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	06/28/19	33004245-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
05/03/19	VERBAL JIM ROSSOW	1 of 1

**REMIT PAYMENT TO:**  
Buckeye Pumps  
PO Box 73278  
Cleveland, OH 44193

SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

INSTRUCTIONS		SHIP POINT		TERMS		SHIP VIA		SHIP DATE
ALLOWED		BUCKEYE PUMPS SERVICE		Net 30 Days		Our Truck		06/28/19
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET	
1	REPAIR - PUMP PUMP REPAIR	1	0	1	EACH	3750.00	3,750.00	
1	Lines Total	Qty Shipped Total			1	Total invoice Total Due: 07/28/19	3,750.00 3,750.00	
FAIRBANKS 365T SERIAL ENDING IN -1 PER JIM ROSSOW: ORDER SEAL AND SHAFT SLEEVE FOR HIS #2 PUMP THAT IS LEAKING CUSTOMER BROUGHT PUMP INTO SHOP. INSTALLED SEAL AND SLEEVE. DELIVERED TO SITE, INSTALLED AND PERFORMED ALIGNMENT								



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You can now receive invoices much faster with our email or fax bill delivery! With email delivery, your invoices are sent once per day in one easy to open file. You can even download your invoice data directly into your accounting package (such as Quickbooks). With fax delivery, you get all your invoices once per day. To sign up, contact [accountsreceivable@otpn.net](mailto:accountsreceivable@otpn.net).

BUCKEYE PUMPS BRANCH ADDRESS  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866



PO BOX 348  
BOWLING GREEN, OH 43402  
(419) 354-9090

PO NUMBER
15391

**VENDOR:** 00843  
BUCKEYE PUMPS, INC.  
PO BOX 73278  
CLEVELAND, OH 44193

SHIP TO: NORTHWESTN WATER & SEWER DIST  
12560 MIDDLETON PIKE, SR 582  
BOWLING GREEN, OH 43402

**FOB Point:**  
**Terms: Net 30 Days**

Req. No.: 13065  
Dept.:  
Contact: BARRINGER, CLAUD  
Confirming? No

Req. Del. Date:  
Contract No:  
Contract Desc:  
Special Inst:

[illegible]

**BILL TO:** NWWSD  
PO BOX 348  
BOWLING GREEN, OH 43402

Attest: I, Kay Ball, Finance Director of Northwestern Water and Sewer District, hereby certify that the money to meet this purchase has been lawfully appropriated for the purpose of this purchase and is in the treasury of Northwestern Water and Sewer District, or in the process of collection to the credit of the appropriate fund, free from prior encumbrance.

SUBTOTAL	4,824.00
TAX	0.00
FREIGHT	0.00
TOTAL	4,824.00

[illegible]

Karl Ball

**Authorized Signature**

VENDOR COPY



1311 FREESE WORKS PLACE  
GALION, OH 44833  
TEL: (419) 468-7866  
FAX: (419) 468-1460

P.O.

A division of:



## QUOTATION

Company: NWWSD			DATE:
Attn: Jim Rossow			11/15/2018
Phone 419-654-9937	Fax:		QUOTE NUMBER:
Email: jrossow@nwwsd.org			3216 NWWSD Fairbanks 111518 CW
			PREPARED BY:
			Curt Weaver
			SALES REPRESENTATIVE:
			Ken Miracle
REFERENCE	Freight	TERMS	ESTIMATED DELIVERY:
	FOB Galion, OH	*Net 30 Days	3-5 Weeks

If Expedited Delivery Is Required Please Call

QTY.	DESCRIPTION	PRICE	TOTAL
1	Repair of Fairbanks Pump Model: 365T S/N: 1038744-0 Repair to consist of new gaskets, mechanical seal (stationary & rotating), shaft sleeve, shop supplies / misc hardware, cleaning paint and labor.  <i>Ford Rd. PS. #3</i>	\$ 3,884.00	3,884.00
1	Outside trip to install & laser align pump above once repaired One technician, travel & labor.	\$ 940.00	940.00
			\$ 4,824.00

Above Prices Valid For 30 Days

Restocking Charges May Apply

\*Terms Based on Credit Approval

Special terms apply on orders above \$50,000.00

Prepared By:

*Curt Weaver*



1900 Jetway Blvd.  
Columbus, OH 43219  
Questions: [accountsreceivable@otpnet.com](mailto:accountsreceivable@otpnet.com)

# INVOICE

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	07/11/18	33002825-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
04/17/18	15023	1 of 1

**REMIT PAYMENT TO:**  
Buckeye Pumps  
P.O. Box 73278  
Cleveland, OH 44193

CUST #: 121061

BILL TO:

SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

RECEIVED  
JUL 12 2018

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

BY: *Claudia*  
*Sew*

INSTRUCTIONS		SHIP POINT		TERMS	SHIP VIA		SHIP DATE
ALLOWED BPI DELIVERY		BUCKEYE PUMPS SERVICE		Net 30 Days	Our Truck		07/11/18
LINE NO	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET
1	REPAIR - PUMP PUMP REPAIR REPAIR OF FAIRBANKS PUMP MODEL: 365T S/N: 1038744-0 REPAIR TO CONSIST OF NEW GASKETS, MECHANICAL SEAL (STATIONARY & ROTATING), SHAFT SLEEVE, SHOP SUPPLIES / MISC HARDWARE, CLEANING, PAINT AND LABOR.	1	0	1	EACH	3884.00	3,884.00
2	REPAIR - PUMP PUMP REPAIR OUTSIDE TRIP TO INSTALL & LASER ALIGN PUMP. 1 TECHNICIAN, TRAVEL & LABOR.	1	0	1	EACH	940.00	940.00
2	Lines Total	Qty Shipped Total		2	Total Invoice Total Due: 08/10/18		4,824.00 4,824.00
<div><div>**Our REMITTANCE ADDRESS has changed**</div><div>PO BOX 73278</div><div>Cleveland, OH 44193</div><div>*If paying via ACH, please contact <a href="mailto:accountsreceivable@otpnet.com">accountsreceivable@otpnet.com</a>*</div></div>							

BUCKEYE PUMPS BRANCH ADDRESS  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866





PO BOX 348  
BOWLING GREEN, OH 43402  
(419) 354-9090

PO NUMBER
14733

VENDOR: 00843  
BUCKEYE PUMPS, INC.  
PO BOX 73278  
CLEVELAND, OH 44193

SHIP TO: NORTHWESTN WATER & SEWER DIST  
12560 MIDDLETON PIKE, SR 582  
BOWLING GREEN, OH 43402

FOB Point:  
Terms: Net 30 Days

Req. No.: 12497  
Dept.:  
Contact: BARRINGER, CLAUD  
Confirming? No

Req. Del. Date:  
Contract No:  
Contract Desc:  
Special Inst:

[illegible]

BILL TO: NWWSD  
PO BOX 348  
BOWLING GREEN, OH 43402

Attest: I, Kay Ball, Finance Director of Northwestern Water and Sewer District, hereby certify that the money to meet this purchase has been lawfully appropriated for the purpose of this purchase and is in the treasury of Northwestern Water and Sewer District, or in the process of collection to the credit of the appropriate fund, free from prior encumbrance.

SUBTOTAL	3,550.00
TAX	0.00
FREIGHT	0.00
TOTAL	3,550.00

[illegible]

Karl Ball

**Authorized Signature**

VENDOR COPY

1900 Jetway Blvd.  
Columbus, OH 43219  
Questions: [accountsreceivable@otpnnet.com](mailto:accountsreceivable@otpnnet.com)

**CUST #:** 121061

**BILL TO:**

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

RECEIVED  
FEB 22 2018

BY: ...*Claude*...  
Sew

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	02/14/18	33002365-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
12/05/17	14733	1 of 1

**REMIT PAYMENT TO:**  
Buckeye Pumps  
P.O. Box 73278  
Cleveland, OH 44193

SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

INSTRUCTIONS		SHIP POINT		TERMS		SHIP VIA		SHIP DATE
ALLOWED		BUCKEYE PUMPS SERVICE		Net 30 Days		Our Truck		02/14/18
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET	
1	REPAIR - PUMP PUMP REPAIR	1	0	1	EACH	3550.00	3,550.00	
1	Lines Total	Qty Shipped Total		1		<b>Total Invoice Total Due: 03/16/18</b>	<b>3,550.00 3,550.00</b>	
<p>FAIRBANKS 1038744-1 REPLACE MECH SEAL FOR FORD ROAD #2 TRAVEL TO SITE AND INSTALL PUMP</p>								

**BUCKEYE PUMPS BRANCH ADDRESS**  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866



CUST #: 121061

BILL TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

RECEIVED  
OCT 23 2017

BY:

Claud  
son

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	10/06/17	33001913-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
08/03/17	14158	1 of 1

**REMIT PAYMENT TO:**  
Buckeye Pumps  
P.O. Box 73278  
Cleveland, OH 44193

SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

INSTRUCTIONS		SHIP POINT		TERMS		SHIP VIA		SHIP DATE
ALLOWED SLMN DELIVERY		BUCKEYE PUMPS SERVICE		Net 30 Days		Slm Delivery		10/06/17
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET	
1	20107 ASI 3IN TC/TC/AFLAS CART SEAL	1	0	1	each	3543.00	3,543.00	
1	Lines Total	Qty Shipped Total			1	Total Invoice Total Due: 11/05/17	3,543.00 3,543.00	
MECHANICAL SEAL 3" ASI TC/TC VITON **REPLACEMENT SEAL FOR FAIRBANKS PUMP** ..								
<div style="border: 1px solid black; height: 100px; width: 100%;"></div>								

BUCKEYE PUMPS BRANCH ADDRESS  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866



PO BOX 348  
BOWLING GREEN, OH 43402  
(419) 354-9090

PO NUMBER
14230

SHIP TO: NORTHWESTN WATER & SEWER DIST  
12560 MIDDLETON PIKE, SR 582  
BOWLING GREEN, OH 43402

Req. No.: 12256  
Dept.:  
Contact: BARRINGER, CLAUD  
Confirming? No

[illegible]

Attest: I, Kay Ball, Finance Director of Northwestern Water and Sewer District, hereby certify that the money to meet this purchase has been lawfully appropriated for the purpose of this purchase and is in the treasury of Northwestern Water and Sewer District, or in the process of collection to the credit of the appropriate fund, free from prior encumbrance.

SUBTOTAL	7,033.00
TAX	0.00
FREIGHT	0.00
TOTAL	7,033.00

[illegible]

Karl Ball

VENDOR COPY

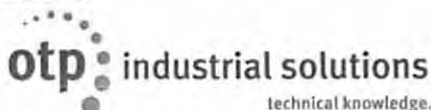




1311 FREESE WORKS PLACE  
GALION, OH 44833  
TEL: (419) 468-7866  
FAX: (419) 468-1460

NEED  
P.O.

A division of:



technical knowledge.  
broad product support.

## QUOTATION

Company: Northwest Water & Sewer District			DATE:
Attn: Jim Rossow			9/5/2017
Phone 419-654-9937 Fax:			QUOTE NUMBER:
Email: jrossow@nwwsd.org			3216_NWWSD_Fairbanks_1038744-2_090517_BDS
			PREPARED BY:
			Bronwen D. Shaffer
			SALES REPRESENTATIVE:
			Ken Miracle
REFERENCE	Freight	TERMS	ESTIMATED DELIVERY:
	FOB Galion, OH	*Net 30 Days	3-4 Weeks

If Expedited Delivery Is Required Please Call

QTY.	DESCRIPTION	PRICE	TOTAL
1	Repair of Fairbanks Pump Model: No Tag S/N: 1038744-2 Repair to consist of new mechanical seal, couplings, cover grid assembly, shaft sleeve, shop supplies / misc hardware, cleaning, paint and labor.  <i>Ford Ral Pump #1</i>	\$ 6,193.00	6,193.00
1	Installation of Fairbanks Pump above One technician travel & labor.	\$ 840.00	840.00
			\$ 7,033.00

Above Prices Valid For 30 Days

Restocking Charges May Apply

\*Terms Based on Credit Approval

\*Special terms apply on orders above \$50,000.00

Prepared By:

*Bronwen D. Shaffer*



1900 Jetway Blvd.  
Columbus, OH 43219  
Questions: [accountsreceivable@otpn.net](mailto:accountsreceivable@otpn.net)

# INVOICE

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	10/06/17	33001994-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
08/29/17	14230	1 of 1

**REMIT PAYMENT TO:**  
Buckeye Pumps  
P.O. Box 73278  
Cleveland, OH 44193

CUST #: 121061

BILL TO:

SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

RECEIVED  
OCT 13 2017  
BY: *Cloud*  
Sew

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

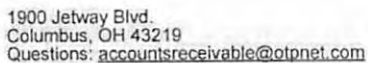
INSTRUCTIONS		SHIP POINT		TERMS	SHIP VIA		SHIP DATE
ALLOWED BPI DELIVERY		BUCKEYE PUMPS SERVICE		Net 30 Days	Our Truck		10/06/17
LINE NO	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET
1	REPAIR - PUMP PUMP REPAIR REPAIR OF FAIRBANKS PUMP - FORD RD #1 MODEL: NO TAG S/N: 1038744-2 REPAIR TO CONSIST OF NEW MECHANICAL SEAL COUPLINGS, COVER GRID ASSEMBLY, SHAFT SLEEVE, SHOP SUPPLIES / MISC HARDWARE, CLEANING, PAINT AND LABOR.	1	0	1	EACH	6193.00	6,193.00
2	REPAIR - PUMP PUMP REPAIR INSTALLATION OF FAIRBANKS PUMP - FORD RD #1 ONE TECHNICIAN TRAVEL & LABOR.	1	0	1	EACH	840.00	840.00
2	Lines Total	Qty Shipped Total		2	Total Invoice Total Due: 11/05/17		7,033.00 7,033.00
FAIRBANKS 1038744-2							

BUCKEYE PUMPS BRANCH ADDRESS  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866



PO BOX 348  
BOWLING GREEN, OH 43402  
(419) 354-9090

VENDOR COPY



CUST #: 121061

BILL TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

RECEIVED  
AUG 21 2017

BY:

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	08/30/17	33001895-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
08/01/17	14163	1 of 1

REMIT PAYMENT TO:

**Buckeye Pumps**  
P.O. Box 73278  
Cleveland, OH 44193

SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

INSTRUCTIONS		SHIP POINT		TERMS		SHIP VIA		SHIP DATE
ALLOWED BPI DELIVERY		Our Truck		Net 30 Days		BUCKEYE PUMPS SERVICE		08/30/17
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET	
1	REPAIR - PUMP PUMP REPAIR	1	0	1	EACH	6580.00	6,580.00	
1	Lines Total	Qty Shipped Total			1		<b>Total</b> <b>Invoice Total</b> <b>Due: 09/29/17</b> <b>6,580.00</b>	
REPAIR OF FAIRBANKS PUMP MODEL: NO TAG S/N: 1038744-1 REPAIR TO CONSIST OF NEW MECHANICAL SEAL REPLACEMENT, FABRICATE NEW SHAFT SLEEVE, GASKETS, SHOP SUPPLIES / MISC HARDWARE, CLEANING, PAINT AND LABOR.								

BUCKEYE PUMPS BRANCH ADDRESS  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866





PO BOX 348  
BOWLING GREEN, OH  
43402  
(419) 354-9090

VENDOR COPY



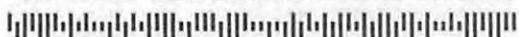
1900 Jetway Blvd.  
Columbus, OH 43219  
Questions: [accountsreceivable@otpnet.com](mailto:accountsreceivable@otpnet.com)

2017 FEB 23 PH 3:48

RECEIVED  
NORTHWESTERN WATER  
AND SEWER DISTRICT

CUST #: 121061

BILL TO:  
3192 1 AB 0.403 E0002X I002 D2235211229 S2 P3971589 0001:0001



NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN OH 43402-8289

# INVOICE

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	02/15/17	33001122-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
01/19/17	13501	1 of 1


## REMIT PAYMENT TO:

Buckeye Pumps  
P.O. Box 73278  
Cleveland, OH 44193

SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

INSTRUCTIONS		SHIP POINT		TERMS		SHIP VIA		SHIP DATE
ALLOWED BPI DELIVERY		Slm Delivery		Net 30 Days		BUCKEYE PUMPS SERVICE		02/15/17
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET	
1	REPAIR - PUMP PUMP REPAIR	1	0	1	EACH	6742.00	6,742.00	
1	Lines Total	Qty Shipped Total		1	Total Invoice Total Due: 03/17/17		6,742.00 6,742.00	
REPAIR OF FAIRBANKS PUMP S/N: 1038744-0 IN-HOUSE REPAIR TO CONSIST OF NEW BEARINGS, SHAFT SLEEVE, LIP SEALS, MECHANICAL SEAL, CASE GASKETS, ALIGNMENT, SHOP SUPPLIES / MISC HARDWARE, CLEAING, PAINT AND LABOR. .. THIS PRICE ALSO INCLUDES INSTALLATION OF FORD ROAD P.S. PUMP #3. ..								
<div>RECEIVED FEB 27 2017 BY: <i>Hand</i> Sew</div>								



GET OUT FROM UNDER THE PILE!  
Stay organized by easily managing your invoices, receive your bill  
via email.  
Email [accountsreceivable@otpnet.com](mailto:accountsreceivable@otpnet.com) to sign up.

GET OUT FROM UNDER THE PILE!  
Stay organized by easily managing your invoices, receive your bill  
via email.

Email [accountsreceivable@otpnet.com](mailto:accountsreceivable@otpnet.com) to sign up.

BUCKEYE PUMPS BRANCH ADDRESS

1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866



1900 Jetway Blvd.  
Columbus, OH 43219  
Questions: [accountsreceivable@otpnet.com](mailto:accountsreceivable@otpnet.com)

CUST #: 121061

**BILL TO:**

1414 1 AB 0.399 E0002 I003 D1709499660 P3236704 0002:0002



NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN OH 43402-8289

# INVOICE

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	04/25/16	33000396-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
04/21/16	12369	1 of 1

**REMIT PAYMENT TO:**

Buckeye Pumps  
P.O. Box 73278  
Cleveland, OH 44193

**SHIP TO:**

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

INSTRUCTIONS		SHIP POINT		TERMS	SHIP VIA		SHIP DATE
ALLOWED BPI DELIVERY		UPS-GroundUS		Net 30 Days	BUCKEYE PUMPS SERVICE		04/25/16
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET
1	20107 ASI 3IN TC/TC/AFLAS CART SEAL	1	0	1	EACH	2397.28	2,397.28
1	Lines Total	Qty Shipped Total		1	Total Freight Out Invoice Total Due: 05/25/16		2,397.28 27.68 2,424.96

RECEIVED

MAY 03 2016

BY: AKB

SEL

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BUCKEYE PUMPS BRANCH ADDRESS  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866

RECEIVING COPY







DIVISION OF OHIO TRANSMISSION CORPORATION

1311 FREESE WORKS PL  
GALION, OH 44833-9368  
Phone: (419) 468-7866  
Fax: (419) 468-1460

## PACKING SLIP

CUST. #: 121061

\*\*\* SHIP COMPLETE \*\*\*  
Filled From Received Merchandise

UPC VENDOR	ORDER NO.	TRANSFER NO.
000000	33000345-00	
P.O. DATE	P.O. NO.	PAGE #
04/05/16	12362	1

BILL TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE

BOWLING GREEN, OH 43402

ORDER#



SHIP TO:

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE

BOWLING GREEN, OH 43402

INSTRUCTIONS		STAGING AREA	
ALLOWED BEST WAY		**/**/**	
SHIP POINT	VIA	SHIPPED	TERMS
BUCKEYE PUMPS SERVICE	Best Way	04/20/16	Net 30 Days

CUST PO #



LINE NO	PRODUCT AND DESCRIPTION	BIN LOCATION	QUANTITY ORDERED	QTY B.O.	QTY SHIPPED	QTY U/M	RECEIVED	NO. CARTONS	AMOUNT (NET)
	REPAIR OF FAIRBANKS MORSE PUMP MODEL: NO TAG S/N: 1038744-2 REPAIR TO CONSIST OF NEW CASE GASKET, BEARINGS, LIP SEALS, MECHANICAL SEALS, SHAFT SLEEVE, MACHINE THE SEAL HOUSING, SHOP SUPPLIES, CLEANING, PAINT AND LABOR.								
1	REPAIR - PUMP PUMP REPAIR	Ne/w /Par/t	1.00	0.00	1.00	EACH	_____	_____	
<div>Ford Rd Pump #1</div>									
1	◀ LINES TOTAL	#OF LINES NOT PRINTED ▶ 0	QTY SHIP TOTAL ▶			1.00	Total _____		
PICKED BY	PACKED BY	CHECKED BY	CUBE	WEIGHT	FREIGHT CHARGE				
			0.00	0.00					
05/03/16							RECEIVED BY	DATE RECEIVED	
Last Page									



1900 Jetway Blvd.  
Columbus, OH 43219  
Questions: [accountsreceivable@otpnet.com](mailto:accountsreceivable@otpnet.com)

# INVOICE

UPC VENDOR	INVOICE DATE	INVOICE NO.
000000	04/22/16	33000345-00
P.O. DATE	CUSTOMER P.O. NO.	PAGE #
04/05/16	12362	1 of 1

2016 MAY -2 PM 12: 50  
RECEIVED  
NORTHWESTERN WATER  
AND SEWER DISTRICT

**REMIT PAYMENT TO:**  
Buckeye Pumps  
P.O. Box 73278  
Cleveland, OH 44193


CUST #: 121061

BILL TO:  
1414 1 AB 0.399 E0002X I002 D1707993021 P3236704 0001:0002



NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN OH 43402-8289

NORTHWESTERN WATER AND SEWER  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402

INSTRUCTIONS		SHIP POINT		TERMS		SHIP VIA		SHIP DATE
ALLOWED		Our Truck		Net 30 Days		BUCKEYE PUMPS SERVICE		04/21/16
LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	UNIT PRICE	AMOUNT NET	
1	REPAIR - PUMP PUMP REPAIR	1	0	1	EACH	6391.00	6,391.00	
1	Lines Total	Qty Shipped Total			1	Total Invoice Total Due: 05/22/16	6,391.00 6,391.00	
REPAIR OF FAIRBANKS MORSE PUMP MODEL: NO TAG S/N: 1038744-2 REPAIR TO CONSIST OF NEW CASE GASKET, BEARINGS, LIP SEALS, MECHANICAL SEALS, SHAFT SLEEVE, MACHINE THE SEAL HOUSING, SHOP SUPPLIES, CLEANING, PAINT AND LABOR.								
<div>RECEIVED</div> <div>MAY 03 2016</div> <div>BY: <u>CKB</u></div> <div>sew</div>								
<div><div>GET OUT FROM UNDER THE PILE! Stay organized by easily managing your invoices, receive your bill via email. Email <a href="mailto:accountsreceivable@otpnet.com">accountsreceivable@otpnet.com</a> to sign up.</div></div>								

BUCKEYE PUMPS BRANCH ADDRESS  
1311 FREESE WORKS PL  
GALION, OH 44833-9368  
(419)468-7866

RESOLUTION NO. 2018-125

In the matter of fixing operation and maintenance	}	Northwestern Water
rates for sewer collection and treatment services,	}	and Sewer District
water distribution services, and sale of water in the	}	December 13, 2018
District.	}	

Trustee Cheney moved the adoption of the following Resolution:

WHEREAS, The Board of Trustees of the Northwestern Water and Sewer District operates a water and sewer district in accordance with the provisions of Chapter 6119 of the Ohio Revised Code; and

WHEREAS, Chapter 6119 of the Ohio Revised Code provides that the Board of Trustees shall fix reasonable rates for the use of sewers, sewage treatment and/or water distribution which shall be at least sufficient to pay for all the costs of operation; and

WHEREAS, After the budget estimates for 2019 were completed with revenue requirements for services, the Finance Committee, Jerry Greiner, President and Kay Ball, CFO, recommends a 1.76% general increase in the operation and maintenance charges for all sewer collection and treatment services and a 2.2% general increase for all water services provided by the District; and

WHEREAS, Ms. Ball further recommends the Board of Trustees not implement the tenth year of the inclusion of depreciation costs in the volume charge for both water and sewer services in order to establish a repair and replacement fund for future needs, with the increase to collect 100% of the depreciation costs being implemented over a 15-20 year period due to the upcoming rate study; and

WHEREAS, Ms. Ball and Mr. Greiner further recommend that any rate increases implemented by the City of Oregon, the City of Bowling Green, the City of Fostoria, and

the City of Toledo for the sale of water to the District be reflected in the rates charged to the master metered customers in the Oregon area master metered customers; the Bowling Green area master metered and rural customers; the Fostoria area master metered customers; the Toledo service area customers which are in addition to any increase in the District's operation and maintenance rates; and

WHEREAS, Ms. Ball and Mr. Greiner report that all areas that had "phased in" rates over a period of time have all expired, with all areas being billed operation and maintenance charges at the full District rates in 2019; and

WHEREAS, These increases should be implemented in order to maintain established financial objectives for the District in accordance with the policies established previously by the Board with adjustments to estimated expenditures, which will provide for the continuation of the District as a self-sustaining enterprise supported entirely by the users of the system; therefore be it

RESOLVED, By the Board of Trustees of the Northwestern Water and Sewer District that effective for all utility bills sent after January 1, 2019, the rates for customers served shall be adjusted, based on the level of services provided to each customer; and be it further

RESOLVED, That all other rates, charges and policies previously established shall remain in full force and effect until otherwise provided for by the Board of Trustees of the Northwestern Water and Sewer District; and be it further

RESOLVED, That the operation and maintenance charges for sewer collection, water distribution and water purchased wholesale as established by this Resolution shall supersede all existing and historical rates established by the Board of County Commissioners of Wood County, Ohio, and the Board of Trustees of the Wood County



Regional Water and Sewer District now known as the Northwestern Water and Sewer District, under the provision of Chapters 6117.02 and 6119 of the Ohio Revised Code, as applicable; and be it further

RESOLVED, That this Northwestern Water and Sewer District Board of Trustees hereby finds and determines that all formal actions relative to the passage of this resolution were taken in open meetings of this Board, and that all deliberations of the Board and of its committees, if any, which resulted in formal action, were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22, Ohio Revised Code.

Trustee Armstrong seconded the resolution and the roll being called on its adoption, the vote resulted as follows:

YES 9 NO 0 ABSTAIN 0

Chairman Mark Shaffer

Secretary John A. Channing

Attest: Leanne O'Brien  
Clerk of the Board

# **EXHIBIT A** **RATES FOR SEWER SERVICE**

		<u>2018</u>	<u>2019</u>
Fixed Charge*	Per Month	\$14.29	\$14.72

\* Fixed charge includes no consumption

## **Volume Charge** **Collection System Service**

	<u>2018</u>	<u>2019</u>
❖ <u>Metered Customers - per 1,000 cf -</u>	\$34.13	\$34.55
A. Commercial and Industrial		
B. Residential Use With Winter Average		
C. Residential Use With Second Meter For Outside Water Use		

### ❖ Unmetered Customers

A. Based on Estimated Consumption as follows, plus minimum charge:

# of users	monthly consumption	quarterly consumption
1	267	800
2	533	1600
3	833	2500
4	1100	3300
5	1400	4200
6	1667	5000
7	1967	5900
8	2233	6700

B. Oregon Master Meter Customers based on 800 cf per month for Residential customers; and 3,000 cf per month for Commercial and Industrial customers plus minimum charge.

# **Volume Charge** **Wastewater Collection and Treatment**

	<u><b>2018</b></u>	<u><b>2019</b></u>
❖ <u>Metered Customers - per 1,000 cf</u>	\$60.73	\$61.95
A. Commercial and Industrial		
B. Residential Use with Winter Average		
C. Residential Use With Second Meter For Outside Use		
❖ <u>Unmetered Customers - monthly rate</u>	\$39.48	\$40.27
Residential Rate Includes Fixed Monthly Charge		

## EXHIBIT B WATER DISTRIBUTION SERVICE

### FIXED MONTHLY CHARGE BY METER SIZE

<u>METER SIZE</u>	<u>2018</u>	<u>2019</u>
5/8" and 3/4"	\$ 15.69	\$ 16.16
1"	21.97	22.63
1 1/2"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

### VOLUME CHARGE PER 1000 CUBIC FEET

	<u>2018</u>	<u>2019</u>
Residential	\$21.14	\$ 21.48
Commercial	\$21.14	\$ 21.48

Areas billed the base operation and maintenance charge:

- City of Northwood west of Drouillard Road (last year for water transition rates was 2011)
- Walbridge
- Rossford (last year for water transition rates is 2015)
- Perrysburg Township and Lake Township west of I-280

## EXHIBIT C CITY OF OREGON MASTER METER RATES

These master meter rates will be adjusted with the approval of the Board of Trustees if the cost of water charged to the District by the City of Oregon is adjusted.

- a) **The fixed charge to each monthly residential/commercial/industrial customer within the master metered area:**

<b><u>METER SIZE</u></b>	<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" and 3/4"	\$ 15.69	\$ 16.16
1"	21.97	22.63
1 1/2"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

- c) **The volume charge per 1,000 cubic feet for monthly residential, commercial and industrial customers within the master metered area:**

	<b><u>2018</u></b>	<b><u>2019</u></b>
All water usage	\$36.58	\$40.26

Areas billed the Oregon master meter rate:

- Village of Millbury
- Lake Township east of I-280
- City of Northwood east of Drouillard Road



## EXHIBIT D CITY OF BOWLING GREEN MASTER METER RATES

These master meter rates will be adjusted with the approval of the Board of Trustees if the cost of water charged to the District by the City of Bowling Green is adjusted.

- a) The **fixed charge** to each monthly customer within each master metered area:

### RESIDENTIAL/COMMERCIAL AND INDUSTRIAL:

<u>METER SIZE</u>	<u>2018</u>	<u>2019</u>
5/8" and 3/4"	\$ 15.69	\$ 16.16
1"	21.97	22.63
1 1/2"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

- b) The **volume charge** for water to monthly residential consumers within the master metered areas:

	<u>2018</u>	<u>2019</u>
Residential/Commercial & Industrial Actual consumption per 1,000 cubic feet (no minimum)	\$54.13	\$56.77

Areas billed the Bowling Green Master Meter Rate:

- Rural water accounts
- Landfill master meter area
- Portage, Rudolph, Jerry City, Cygnet and Hoytville master meter area
- Villages of Bairdstown and Bloomdale
- Weston, Custar and Milton Center master meter area

**EXHIBIT E  
CITY OF FOSTORIA MASTER METER RATES**

These master meter rates will be adjusted with the approval of the Board of Trustees if the cost of water charged to the District by the City of Fostoria is adjusted.

- A.) **The fixed charge to each monthly residential, commercial and industrial customer within the master metered area:**

<b><u>METER SIZE</u></b>	<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" and 3/4"	\$ 15.69	\$ 16.16
1"	21.97	22.63
1 1/2"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

- B.) **The volume charge per 1,000 cubic feet for monthly residential, commercial and industrial customers within the master metered area:**

	<b><u>2018</u></b>	<b><u>2019</u></b>
All water usage	\$22.14	\$22.48

- \* Customers will be billed separately for the Fostoria cost of water and Fostoria sewer rates.

**EXHIBIT F  
CITY OF TOLEDO SERVICE AREAS  
MASTER METER WATER RATES**

**50% SURCHARGE WATER RATES**

<b>Monthly Fixed Charge:</b>		<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" meter	1000 cf included	\$ 37.40	\$ 37.40
3/4" meter	1500 cf included	\$ 56.09	\$ 56.09
1" meter	2500 cf included	\$ 93.49	\$ 93.49
1.5"+ meter	6000 cf included	\$224.37	\$224.37

<b>Monthly Volume Charge:</b>			
First 10,000 cf of usage		\$37.40	\$37.40
Next 150,000 cf of usage		\$36.35	\$36.35
Next 1,000,000 cf of usage		\$28.55	\$28.55
All over 1,160,000 cf of usage		\$20.82	\$20.82

<b>Quarterly Fixed Charge:</b>		<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" meter	2000 cf included	\$ 74.80	\$ 74.80
3/4" meter	3000 cf included	\$112.20	\$112.20
1" meter	5000 cf included	\$187.00	\$187.00
1.5"+ meter	12,000 cf included	\$448.80	\$448.80

<b>Quarterly Volume Charge:</b>			
First 30,000 cf of usage		\$37.40	\$37.40
Next 450,000 cf of usage		\$36.35	\$36.35
Next 3,000,000 cf of usage		\$28.55	\$28.55
All over 3,480,000 cf of usage		\$20.82	\$20.82

**CITY OF TOLEDO SERVICE AREAS  
MASTER METER WATER RATES**

**75% SURCHARGE WATER RATES**

<b>Monthly Fixed Charge:</b>		<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" meter	1000 cf included	\$ 43.63	\$ 43.63
3/4" meter	1500 cf included	\$ 65.45	\$ 65.45
1" meter	2500 cf included	\$109.08	\$109.08
1.5"+ meter	6000 cf included	\$261.78	\$261.78

<b>Monthly Volume Charge:</b>			
All usage per 1,000 cf		\$43.63	\$43.63

<b>Quarterly Fixed Charge:</b>		<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" meter	2000 cf included	\$ 87.26	\$ 87.26
3/4" meter	3000 cf included	\$130.89	\$130.89
1" meter	5000 cf included	\$218.15	\$218.15
1.5"+ meter	12,000 cf included	\$523.56	\$523.56

<b>Quarterly Volume Charge:</b>			
All usage per 1,000 cf		\$43.63	\$43.63

**CITY OF TOLEDO SERVICE AREAS  
MASTER METER WATER RATES**

**115% SURCHARGE WATER RATES**

<b>Monthly Fixed Charge:</b>		<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" meter	1000 cf included	\$ 53.60	\$ 53.60
3/4" meter	1500 cf included	\$ 80.40	\$ 80.40
1" meter	2500 cf included	\$134.00	\$134.00
1.5"+ meter	6000 cf included	\$321.60	\$321.60

<b>Monthly Volume Charge:</b>			
All usage per 1,000 cf		\$53.60	\$53.60

<b>Quarterly Fixed Charge:</b>		<b><u>2018</u></b>	<b><u>2019</u></b>
5/8" meter	2000 cf included	\$107.20	\$107.20
3/4" meter	3000 cf included	\$160.80	\$160.80
1" meter	5000 cf included	\$268.00	\$268.00
1.5"+ meter	12,000 cf included	\$643.20	\$643.20

<b>Quarterly Volume Charge:</b>			
All usage per 1,000 cf		\$53.60	\$53.60



**EXHIBIT G  
TOLEDO AREA SEWER MASTER METER CHARGES**

<b>UNMETERED:</b>	<b><u>2018</u></b>	<b><u>2019</u></b>
District fixed charge per month:	\$14.29	\$14.72
District collection charge per unit – based on 800 cf per month:	\$27.30	\$27.64
Toledo treatment charge per unit – based on 800 cf per month:	\$26.96	\$28.87

**METERED:**

A. Mobile home park in Toledo master meter service area based on metered sewer flows:

District fixed charge per month:	\$14.29	\$14.72
District collection charge based on metered sewer flow per 1000 cubic feet	\$34.13	\$34.55
Toledo treatment charge based on metered sewer flow per 1000 cubic feet	\$30.09	\$32.22

B. Residential/commercial/industrial sewer customers with metered water:

District fixed charge per month:	\$14.29	\$14.72
District collection charge based on metered sewer flow per 1000 cubic feet	\$34.13	\$34.55
Toledo treatment charge based on metered sewer flow Residential - per 1000 cubic feet	\$30.09	\$32.22
Toledo treatment charge based on metered sewer flow Commercial/industrial - per 1000 cubic feet	\$33.91	\$36.31

ALL ACCOUNTS WILL ALSO PAY A DEBT CHARGE PER UNIT FOR THE COST OF CONSTRUCTION OF THE SANITARY SEWER PROJECT. THIS CHARGE IS IN ADDITION TO THE ABOVE RATES.

**EXHIBIT H**  
**VILLAGE OF McCOMB SERVICE AREA**  
**(RATES IN GALLONS)**

<b>SEWER:</b>	<b><u>2018</u></b>	<b><u>2019</u></b>
Fixed Charge – includes 2500 g	\$24.02	\$24.68
Next 12,500 g	\$ 8.59	\$ 8.82
Next 15,000 g	\$ 7.63	\$ 7.84
Next 20,000 g	\$ 2.69	\$ 2.75
All over 50,000 g	\$ 5.69	\$ 5.84

<b>WATER:</b>	<b><u>2018</u></b>	<b><u>2019</u></b>
Fixed Charge – includes 2500 g	\$45.56	\$46.90
Next 12,500 g	\$16.14	\$16.61
Next 15,000 g	\$14.22	\$14.64
Next 20,000 g	\$ 4.24	\$ 4.35
All over 50,000 g	\$10.30	\$10.59

## EXHIBIT I DEBT SERVICE CHARGES

### SEWER:

All debt charges listed are per equivalent residential unit per month.

❖	Custar	\$26.33
❖	Milton Center	\$27.76
❖	Rudolph/State Route 281	\$20.57
❖	Arlington Woods Subdivision	\$26.45
❖	Williamsburg-on-the-River	\$16.25
❖	Stony Ridge/Lemoyne area	\$35.00
❖	Country Manor	\$25.96
❖	Bairdstown	\$30.00
❖	Rudolph Road	\$24.00
❖	Village of Risingsun and Scott /Montgomery Townships	
	Monthly Debt Charge per Equivalent Unit	\$35.58
	Monthly Project Charge*	\$ 9.32
❖	Village of West Millgrove and Perry/Montgomery Townships	
	Monthly Debt Charge per Equivalent Unit	\$20.00
	Monthly Project Charge**	\$14.40

\* The project charge is the fee charged to Scott and Montgomery Township residents as payment over a 20 year period for the monthly sewer charge the Village of Risingsun residents have paid since 2001. This fee is in addition to the monthly debt charge per equivalent unit (total monthly charge is \$44.90).

\*\* The project charge is the fee charged to Perry and Montgomery Township residents as payment over a 20 year period for the monthly sewer charge the Village of West Millgrove residents have paid since 2002. This fee is in addition to the monthly debt charge per equivalent unit (total monthly charge is \$34.40).

### WATER:

❖	Village of Hoytville	\$20.00
❖	Village of Custar/Milton Center	\$21.91

**EXHIBIT J  
WHEEL RATE FOR  
WATER AND SEWER SERVICES**

These rates apply where other entities that utilize District facilities to move either water or wastewater from one area, outside the District, to another area outside the District.

- ❖ 75% of the District's water volume charge
- ❖ 70% of the District's sewer volume charge

DISTRICT 5  
CAPITAL IMPROVEMENT PROJECTS  
QUESTIONNAIRE  
ROUND 34

Name of Applicant: Northwestern Water and Sewer District  
Project Title: Ford Road Pump Station Replacement

The following questions are to be answered for each application submitted for State Issue II SCIP, LTIP and Loan Projects. Please provide specific information using the best documentation available to you. Justification of your responses to these questions will be required if your project is selected for funding, so please provide correct and accurate responses. **Communities and Townships under 5,000 in population should also complete the Small Government Criteria.**

1. What percentage of the project in repair A= \_\_%, replacement B= 86%, expansion C= \_\_%, and new D= 14%? (Use dollar amounts of project to figure percentages and make sure the total equals one hundred(100) percent) A+B= 86% C+D= 14%

Repair/Replacement = Repair or Replacement of public facilities owned by the government (any subdivision of the state).

New/Expansion = Replacement of privately owned wells, septic systems, private water or wastewater systems, etc.

2. Give the physical condition rating:

Closed or Not Operating: The condition is unusable, dangerous and unsafe. The primary components have failed. The infrastructure is not functioning at all.

Critical: The condition is causing or contributing to a serious non-compliance situation and is threatening the intended design level of service. The infrastructure is functioning at seriously diminished capacity. Imminent failure is anticipated within 18 months. Repair and/or replacement is required to eliminate the critical condition and meet current design standards. **(For Road Projects structural repair items would represent a minimum of 25% of the total Project Cost).**

Poor:

The condition is substandard and requires repair/replacement in order to return to the intended level of service and comply with current design standards. Infrastructure contains a major deficiency and is functioning at a diminished capacity.

Fair:

The condition is average, not good or poor. The infrastructure is still functioning as originally intended. Minor deficiencies exist requiring repair to continue to function as originally intended and/or to meet current design standards.

Good:

The condition is safe and suitable to purpose. Infrastructure is functioning as



originally intended, but requires minor repairs and/or upgrades to meet current design standards.

Excellent: The condition is new, or requires no repair. Or, no supporting documentation has been submitted.

\* **In order to receive points provide supporting documentation (e.g. photos, a narrative, maintenance history, or third party findings) to justifying the rating.**

3. If the proposed project is not approved what category would best represent the impact on the general health and/or public safety?

## **ROADS**

Extremely Critical: Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Major Access Road.\*

Critical: Resurfacing, Restoration and Rehabilitation (3R) of a Major Access Road.\*

Major: Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Minor Access Road.\*

Moderate: Resurfacing, Restoration and Rehabilitation (3R) of a Minor Access Road.\*

Minimal: Preventative Maintenance of a Major Access Road.

No Impact: Preventative Maintenance of a Minor Access Road.

**Projects that have a variety of work will be scored in the LOWEST category of work contained in the Construction Estimate.**

### ***Road/Street Classifications:***

***Major Access Road:*** *Roads or streets that have a dual function of providing access to adjacent properties and providing through or connecting service between other roads.*

***Minor Access Road:*** *Roads or streets that primarily provide access to adjacent properties without through continuity, such as cul-de-sacs or loop roads or streets.*

***Preventative Maintenance:*** *Non Structural Pavement work such as chip sealing, cape sealing, micro-surfacing, crack sealing, etc.*

\*(3R) Resurfacing, Restoration and Rehabilitation - Improvements to existing roadways, which have as their main purpose, the restoration of the physical features (pavement, curb, guardrail, etc.) without altering the original design elements. **(Surface and Intermediate layer Mill and Fills, overlays with less than or equal to 3" of additional pavement, ect...)**

\*(4R) Resurfacing, Restoration, Rehabilitation and Reconstruction - Much like 3R, except that 4R allows for the complete reconstruction of the roadway and alteration of certain design elements (i.e., lane widths, shoulder width, SSD, **overlays with greater than 3" of additional pavement**, etc.).

#### BRIDGES SUFFICIENCY RATING

Extremely Critical: 0-25, or a General Appraisal rating of 3 or less.

Critical: 27-50, or a General Appraisal rating of 4.

Major: 51-65 or a General Appraisal rating of 5 or 6.

Moderate: 66-80 or a General Appraisal rating of 7.

Minimal: 81-100 or a General Appraisal rating of more than 7.

No Impact: Bridge on a new roadway.

#### WASTEWATER TREATMENT PLANTS

Extremely Critical: Environmental Protection Agency (EPA) orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.

Critical: Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.

Major: Replace deficient appurtenances. Update existing processes due to EPA recommendations.

Moderate: Increase capacity to meet current needs or update processes to improve effluent quality.

Minimal: New/Expansion project to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

#### WATER TREATMENT PLANT

Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order.

Critical: Improvements to meet Environmental Protection Agency (EPA) Safe Drinking Water Regulations and/or NPDES Orders.

Major: Replace deficient appurtenances. Update existing processes due to EPA recommendations.

Moderate: Increase capacity to meet current needs or update processes to improve water quality.

Minimal: New/Expansion project to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

COMBINED SEWER SEPARATIONS (May be construction of either new storm or sanitary sewer as long as the result is two separate sewer systems.)

Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.

Critical: Separate, due to chronic backup or flooding in basements.

Major: Separate, due to documented water quality impairment, or due to EPA recommendations.

Moderate: Separate, due to specific development proposal within or upstream of the combined system area.

Minimal: Separate, to conform to current design standards.

No Impact: No positive health effect.

STORM SEWERS

Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order.

Critical: Chronic flooding (structure damage).

Major: Inadequate capacity (land damage).

Moderate: Inadequate capacity with no associated damage.

Minimal: New/Expansion to meet current needs.

No Impact: New/Expansion to meet future or project needs.

CULVERTS

Extremely Critical: Structurally deficient or functionally obsolete. Deterioration has already caused a safety Critical: hazard to the public.

Critical: Inadequate capacity with land damage and the existing or high probability of property damage.

Major: Inadequate capacity (land damage).

Moderate: Inadequate capacity with no associated damage.

Minimal: New/Expansion to meet current needs.



No Impact: New/Expansion to meet future or projected needs.

### SANITARY SEWERS

Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.

Critical: Replace, due to chronic pipe failure, chronic backup or flooding in basements. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.

Major: Replace, due to inadequate capacity or infiltration, or due to EPA recommendations.

Moderate: Rehabilitate to increase capacity to meet current needs or to reduce inflow and infiltration.

Minimal: New/Expansion project to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

### SANITARY LIFT STATIONS AND FORCE MAINS

Extremely Critical: Structurally deficient. Deterioration has already caused a safety/health hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.

Critical: Inadequate capacity with actual or a high probability of property damage. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.

Major: EPA recommendations, or, reduces a probable health and/or safety problem.

Moderate: Rehabilitate to increase capacity to meet current needs.

Minimal: New/Expansion to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

### WATER PUMP STATIONS

Extremely Critical: Structurally deficient. Deterioration has already caused a safety hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.

Critical: Inadequate capacity with the inability to maintain pressure required for fire flows.

Major: Replace due to inadequate capacity or EPA recommendations.

Moderate: Rehabilitate to increase capacity to meet current needs.  
Minimal: New/Expansion to meet a specific development proposal.  
No Impact: New/Expansion to meet future or projected needs.

#### WATER LINES/WATER TOWERS

Extremely Critical: Solve low water pressure or excessive incidents of main breaks in project area.  
Critical: Replace, due to deficiency such as excessive corrosion, etc.  
Major: Replace undersized water lines as upgrading process.  
Moderate: Increase capacity to meet current needs.  
Minimal: New/Expansion project to meet a specific development proposal.  
No Impact: New/Expansion to meet future or projected needs.

#### OTHER

Extremely Critical: There is a present health and/or safety threat.  
Critical: The project will provide immediate health and/or safety benefit.  
Major: The project will reduce a probable health and/or safety problem.  
Moderate: The project will delay a health and/or safety problem.  
Minimal: A possible future health and/or safety problem mitigation.  
No Impact: No health and/or safety effect.

*NOTE: Combined projects that can be rated in more than one subset may be rated in the other category at the discretion of the District 5 Executive Committee. In general, the majority of the cost or scope of the project shall determine the category under which the project will be scored.*

(Submittals without supporting documentation will receive 0 Points for this question.)

Extremely Critical \_\_, Critical \_\_, Major \_\_, Moderate ☒, Minimal \_\_, No Impact \_\_. Explain your answer.

Insufficient pumping and wet well capacity for current conditions causing sewage backups, especially during wet weather.

(Additional narrative, charts and/or pictures should be attached to questionnaire)



4. Identify the amount of local funds that will be used on the project as a percentage of the total project cost.

A.) Amount of Local Funds = \$ 2,470,975.00

B.) Total Project Cost = \$ 2,733,475.00

RATIO OF LOCAL FUNDS DIVIDED by TOTAL PROJECT COSTS (A÷B)= 90 %

Note: Local funds should be considered funds derived from the applicant budget or loans funds to be paid back through local budget, assessments, rates or tax revenues collected by the applicant.

5. Identify the amount of other funding sources to be used on the project, excluding State Issue II or LTIP Funds, as a percentage of the total project cost.

Grants \_\_\_\_% Gifts \_\_\_\_%, Contributions \_\_\_\_%

Other 90 % (explain) OWDA , Total \_\_\_\_%

Note: Grant funds and other revenues not contributed or collected through taxes by the applicant should be considered other funds. The Scope of Work for each Funding Source must be the same.

6. Total Amount of SCIP and Loan Funding Requested- An Applicant can request a grant per the categories below for points as indicated on the Priority Rating Sheet. If the Applicant is including a loan request equal to, but not exceeding 50% of the OPWC funding amounts listed below, there will be no point penalty. If loan funds requested are more than 50%, points as listed in the Priority Rating Sheet will apply.

_____	\$500,001 or More
_____	\$400,001-\$500,000
_____	\$325,001-\$400,000
_____	\$275,001-\$325,000
<u>✓</u>	\$175,001-\$275,000
_____	\$175,000 or Less

There are times when the District spends all of the grant money and has loan money remaining. When this happens, the district makes a loan offer in the amount of the requested grant to the communities that were not funded. The offers are made in the order of scoring. We need to know if you are not successful in obtaining grant dollars for your project if you would be interested in loan money:

YES ✓ NO \_\_\_\_\_

(This will only be considered if you are not funded with grant money and there is remaining loan money.) Please note: if you answer "no" you will not be contacted, only if you answer "yes" will an offer be made in the event that there is loan money remaining.

7. If the proposed project is funded, will its completion directly result in the creation of permanent full-time



equivalent (FTE) jobs (FTE jobs shall be defined as 35 hours/week) ? Yes \_\_\_ No ☒. If yes, how many jobs within eighteen months? \_\_\_ Will the completed project retain jobs that would otherwise be permanently lost? Yes \_\_\_ No \_\_\_. If yes, how many jobs \_\_\_ will be created/retrained within 18 months following the completion of the improvements?

(Supporting documentation in the form of letter from affected industrial or commercial enterprises that specify full time equivalent jobs that will be retained or created directly by the installation or improvement of Public infrastructure. Additional items such as; 1) newspaper articles or other media news accounts, 2) public meeting minutes, and/or 3) a letter from the County Economic Development Director or State of Ohio Economic Development Professional that alludes to the requirement for the infrastructure improvement to support the business. Submittals without supporting documentation will receive 0 points for this question.)

8. What is the total number of existing users that will directly benefit from the proposed project if completed? 1,346 HH (Use households served, traffic counts, etc. and explain the basis by which you arrived at your number.) Basis: Customer count

9. Is subdivision's population less than 5,000 Yes \_\_\_ No ☒  
If yes, continue. You may want to design your project per Small Government Project Evaluation Criteria, released for the current OPWC Round to assist in evaluating your project for potential Small Government Funding. The Small Government Criteria is available on the OPWC website at <http://www.pwc.state.oh.us/Meth.SG.PDF> If No, skip to Question 11.

10. **OHIO PUBLIC WORKS COMMISSION SMALL GOVERNMENT PROGRAM GUIDELINES**

All projects that are sponsored by a subdivision with a population of 5,000 or less, and not earning enough points for District Funding from SCIP or LTIP Funds, are then rated using the Small Government Program Rating Criteria for the corresponding funding round. In order to be rated the entity must submit the Small Government Supplement and their required budgets with their application.

**Only infrastructure that is village- or township- owned is eligible for assistance.** The following policies have been adopted by the Small Government Commission:

- District Integrating Committees may submit up to seven (7) applications for consideration by the Commission. All 7 must be ranked, however, only the top five (5) will be scored. The remaining two (2) will be held as contingency projects should an application be withdrawn.
- Grants are limited to \$500,000. Any assistance above that amount must be in the form of a loan.



- Grants for new or expanded infrastructure cannot exceed 50% of the project estimate.
- The Commission may deny funding for water and sewer systems that are deemed to be more cost-effective if regionalized.
- If a water or sewer project is determined to be affordable, the project will be offered a loan rather than a grant. Pay special attention to the **Water & Wastewater Affordability Supplemental** and the **Small Government Water & Wastewater Affordability Calculation Worksheet**. Both are available on the Small Government Program Tab at <http://www.pwc.state.oh.us/SmallGovernment.html>
- Should there be more projects that meet the "annual score" than there is funding, the tie breaker is those projects which scored highest under Health & Safety, with the second tie breaker being Condition. If multiple projects have equivalent Health & Safety and Condition scores they are arranged according to the amount of assistance from low to high. Once the funded projects are announced, "contingency projects" may be funded from project under-runs by continuing down the approved project list.
- Supplemental assistance is not provided to projects previously funded by the Commission.
- Applicants have 30 days from receipt of application by OPWC without exception to provide additional documentation to make the application more competitive under the Small Government criteria. Applications will be scored after the 30-day period has expired. The applicants for each District's two (2) contingency projects will have the same 30-day period to submit supplemental information but these applications will not be scored unless necessary to do so. **It is each applicant's responsibility for determining the need for supplemental material. The applicant will not be asked for or notified of missing information unless the Commission has changed the project type and it affects the documentation required. Important information may include, but is not limited to: age of infrastructure, traffic counts or utility users, median income information, user rates ordinances, and the Auditor's Certificate of Estimated Revenues or documentation from the Auditor of State that subdivision is in a state of fiscal emergency.**

If you desire to have your Round 33 project considered for Small Government Funding please download the Small Government Evaluation Criteria applicable to Round 33 by accessing the OPWC Website at <http://www.pwc.state.oh.us/Meth.SG.PDF>. Please complete the Small Government Evaluation Criteria and attach all required supporting documentation and attach it to the District 5 Questionnaire for Round 32.

# 11. MANDATORY INFORMATION, DISTRICT 5, DISCRETIONARY RANKING POINTS

List all specific user fees: Amount or  
ROAD & BRIDGE PROJECTS:(OHIO REVISED CODE) Percentage

Permissive license fee	4504.02 or 4504.06	_____
	4504.15 or 4504.17	_____
	4504.16 or 4504.171	_____
	4504.172	_____
	4504.18	_____

Special property taxes 5555.48 \_\_\_\_\_

5555.49 \_\_\_\_\_

Municipal Income Tax \_\_\_\_\_

County Sales Tax \_\_\_\_\_

Others \_\_\_\_\_

(DO NOT INCLUDE SCHOOL TAXES)

SPECIFIC PROJECT AREA INFORMATION.

Median household income \$58,033.00

Monthly utility rate: Water \$54.02

Sewer \$86.81

Other -

List any special user fees or assessment (be specific)

None

POLITICAL SUBDIVISION= Northwestern Water and Sewer District

COUNTY=

DISCRETIONARY POINTS (BY DISTRICT COMMITTEE ONLY)=

(25-20-15)

Date: September 6, 2019

Signature: Garrett J. Chamberlain

Title: Assistant District Engineer

Address: 12560 Middleton Pk., PO Box 348, BG, Ohio 43402

Phone: 419 354-9090 ext 127

FAX: 419 354-9344

Email: gchamberlain@nwwsd.org



District 5

Capital Improvement Project

Priority Rating Sheet, Round 34

COUNTY: <u>Waco</u>										Revised 04/23/19						
PROJECT: <u>2022 RD 35</u>										PROJECT NUMBER						
EST. COST: <u>2,733,975</u>																
No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS					"A" x "B"	Priority Factors					No.		
			0	2	4	6	8	10		0	2	4	6	8	10	
1	1	(Repair or Replace) vs. (New or Expansion)	0	2	4	6	8	10	8	0%+ Repair or Replacement	20%+ Repair or Replacement	40%+ Repair or Replacement	60%+ Repair or Replacement	80%+ Repair or Replacement	100%+ Repair or Replacement	1
2	1.5	Existing Physical Condition:  Must submit substantiating documentation and CIR (100% New or Expansion = 0 Points)	0	2	4	6	8	10	9	Excellent	Good	Fair	Poor	Critical	Closed or Not Operating	2
3	2	Public Health and/or Public Safety Concerns  Submittals without supporting documentation will receive 0 points for this question	0	2	4	6	8	10	8	No Impact	Minimal	Moderate	Major	Critical	Extremely Critical	3
4	2	Percentage of Local Share (Local funds are funds derived from the applicant budget or a loan to be paid back through the applicant budget assessments, rates or tax revenues) *	0	2	4	6	8	10	20	0%+	10%+	20%+	30%+	40%+	50%+	4
5	1	OTHER FUNDING SOURCES  (Excluding Issue # Funds)  (Grants and other revenues not contributed or collected through taxes by the applicant; including Gifts, Contributions, etc. - must submit copy of award or status letter.)	0	2	4	6	8	10	0	0%+	10%+	20%+	30%+	40%+	50%+	5
No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS					"A" x "B"	Priority Factors					No.		
			-9	-8	-7	-6	-5	-4		-9	-8	-7	-6	-5	-4	
6	2	OPWC Grant and Loan Funding Requested; Please refer to Item 6 on Questionnaire for Clarification.	-9	-8	-7	-6	-5	-4		Grant or Loan Only \$500,001	\$400,001 to \$500,000	\$325,001 to \$400,000	\$275,001 to \$325,000	\$175,001 to \$275,000	\$175,000 or less	6
	2		-9	-8	-7	-6	-5	-4	20	Grant/Loan Combination \$750,000	\$600,001 to \$750,000	\$487,501 to \$600,000	\$412,501 to \$487,500	\$282,501 to \$412,500	\$282,500 or less	6
When scoring a project that is only grant or only loan, please use the chart labeled "Grant or Loan Only". When scoring a grant/loan combination, score the project for the grant in the first chart, then use the second chart labeled "Grant/Loan Combination" to score the total (grant and loan combined). Use the lower of the two as the score.																
No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS					"A" x "B"	Priority Factors					No.		
			0	2	4	6	8	10		0	2	4	6	8	10	
7	1	Will the Proposed Project Create Permanent jobs or retain jobs that would otherwise be permanently lost (Written Documentation Required)	0	2	4	6	8	10	0	0+ jobs	7+ jobs	15+ jobs	25+ jobs	50+ jobs	100+ jobs	8
8	1	Benefits to Existing Users such as households, (Equivalent dwelling units), traffic Counts, etc.	0	2	4	6	8	10	10	0+	100+	350+	500+	750+	1000+	9
9		SUBTOTAL RANKING POINTS (MAX = 115)						75	Other Info:  Does this project have a significant impact on productive farmland? YES <input checked="" type="radio"/> NO <input type="radio"/>  Attach impact statement if yes.  Is the Applicant ready to proceed to bids after State Approval within 6 months? YES <input checked="" type="radio"/> NO <input type="radio"/>							
10		COUNTY PRIORITY POINTS (25-20 18)														
11		DISCRETIONARY POINTS (BY DISTRICT ONLY) (MAX = 12)														
12		GRAND TOTAL RANKING POINTS														

\* Applicants must certify local share contribution. Specify, all funding sources to be utilized as local share at the time of application submittal.