

EASTGATE
PROJECT PROPOSAL SUMMARY
ARC PRE-APPLICATION
FY23

Date Prepared:	May 12, 2022			
1. Project Title:	2022-2023 Struthers Water Pollution Control Improvement Project			
2. Project Grantee:	City of Struthers			
3. Contact Person: (include name, title, address, e-mail & phone)	Catherine Cercone-Miller, Mayor City of Struthers, 6 Elm Street, Struthers, OH 44471 330.755.2181 ext. 111 mayor@cityofstruthers.com			
4. County(ies) & Designation:	Mahoning County Transitional			
5. Basic Agency:	State Appalachian Regional Commission			
6a. GOA State Goal/Strategy: (Copy/paste complete goal, objective, strategy)	ARC Goal #3: Building Appalachia's Infrastructure - Ensure that the residents and businesses of Appalachia have access to reliable and affordable utilities and infrastructure in order to successfully live and work in the Region. 3.1: Support and assist communities in rural Appalachian Ohio as they work to establish, maintain, and extend critical infrastructure systems to serve Ohio businesses and residents.			
6b. ARC Fed Goal/Strategy: (Copy/paste complete goal, objective, strategy)	GOAL #3 Building Appalachia's Infrastructure Ensure that the residents and businesses of Appalachia have access to reliable and affordable utilities and infrastructure in order to successfully live and work in the Region. Objective 3.1: Ensure the availability of quality, affordable basic infrastructure to meet the needs of the residents and businesses of Appalachia.			
7. Purpose:	The project aims to enhance critical infrastructure in the City of Struthers by replacing fluid level indicating sensors and shut-off valves within two wastewater pump houses. In addition, the purpose is to replace outside air units above three buildings and replace critical pieces of a Huber screen necessary for solid waste removal.			
8. Funding/Budget:				
Source	Amount	Percentage of Total	Program/Funding	Status of Funds
ARC	\$140,140.60	100%	ARC	This application
Federal	\$0.00			
State	\$0.00			
Local	\$0.00			
Private	\$0.00			
Total	\$140,140.60			
9. Project Description:	<p>The 2023-2024 Struthers Water Pollution Control Improvement Project seeks to replace the existing infrastructure at the City of Struthers Water Pollution Control (SWPC) facility. The SWPC treats 5.2 million gallons of wastewater each day and removes 500 tons of solid waste from the water flow. SWPC has a large service area that includes the residents of Struthers, Poland, and a portion of Boardman Township.</p> <p>The improvement project seeks to replace the existing fluid level indicators in tanks #5 and #6 at the Bridge Street Pump Station with transducers that send an ultrasonic pulse to measure liquid level. The existing sensors are subject to prolonged exposure to feces, paper, grease, chemicals, particulates, and trash, making them subject to degradation. The cost of that portion of the project is approximately \$6,453.60.</p> <p>The plan also calls for replacing plug valves and discharge valves at both stations, necessary for controlling liquid flow. The valve-replacement portion of the project will cost \$19,985 and \$38,912.00, respectively. In addition, the improvement project calls for replacing the existing air units at the Primary Sludge Building, Fine Screen Building, and the Administrative Building. The replacement would upgrade the equipment to a make-up air system that pulls in fresh, tempered air from outside to replace existing air that cannot be circulated. The equipment is necessary for workers' safe operation within the facility and will cost \$56,552.00.</p>			

	<p>Finally, the project calls for replacing critical components necessary to rebuild the existing Huber screen, which removes solid waste during the pretreatment phase to protect treatment equipment. The estimated cost of that portion of the project is \$18,238.00.</p> <p>The program timeline is as follows. Future dates are dependent on numerous factors:</p> <table border="1" data-bbox="472 289 1563 653"> <thead> <tr> <th>Category</th> <th>Start Date</th> <th>End Date</th> </tr> </thead> <tbody> <tr> <td>Needs Assessment Conducted</td> <td>1-2022</td> <td></td> </tr> <tr> <td>Advertise/Seek Quotes and Bids</td> <td>2-22-2022</td> <td>3-28-2022</td> </tr> <tr> <td>Quotes and Bids Opened</td> <td>2-22-2022</td> <td>3-28-2022</td> </tr> <tr> <td>Apply for ARC Funding</td> <td>4-4-2022</td> <td>4-16-2022</td> </tr> <tr> <td>Secure Funding</td> <td></td> <td></td> </tr> <tr> <td>Determine Local Cost Share</td> <td></td> <td></td> </tr> <tr> <td>Begin Construction</td> <td></td> <td></td> </tr> <tr> <td>Complete Construction</td> <td></td> <td>12-31-2023</td> </tr> </tbody> </table> <p>The improvement project will improve the efficiency of the SWPC facility and extend the life of critical wastewater infrastructure, creating additional value for the public. The improvement will also reduce water pollution while bringing the City into compliance with Federal and State EPA regulations. As a result, the project has broad support from city leaders. The entire project is estimated to cost \$140,140.60. The City secured 70% of the funding through local cost share and loans in a previous ARC project.</p>		Category	Start Date	End Date	Needs Assessment Conducted	1-2022		Advertise/Seek Quotes and Bids	2-22-2022	3-28-2022	Quotes and Bids Opened	2-22-2022	3-28-2022	Apply for ARC Funding	4-4-2022	4-16-2022	Secure Funding			Determine Local Cost Share			Begin Construction			Complete Construction		12-31-2023
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<p>10. Strategic Rationale:</p>	<p>The project will improve the aging SWPC facility, which has not received any significant upgrades since 1986 – though the City secured funding for upgrades earlier this year. The project seeks to meet ARC's goals of investing in critical infrastructure, specifically the strategic goal of establishing, maintaining, and extending essential infrastructure systems for Ohio businesses and residents. The pump station, facility upgrades, and Huber screen replacement are critical to meeting state and federal EPA standards and safeguarding the environment. If the project does not reach completion, potential environmental risks could lead to EPA violations, ecological damage, costly repairs, and injury to SWPC employees. There is also the potential for shortening the life of existing treatment equipment. The need for the project is widespread, as upgrades will benefit Struthers, Poland, and Boardman Township, ratepayers.</p>																												
<p>11. Collaborative Partners:</p>	<p>City of Struthers; Thoma Technologies; Downie Company, Inc. of Poland, OH; York Mahoning Mechanical Contractors, Inc. of Youngstown; Huber Technology; and KO Consulting, LLC of Youngstown.</p>																												
<p>12. Performance Measurement:</p> <p>Output</p> <p>Outcome:</p>	<table border="1"> <thead> <tr> <th>Output Measure</th> <th>Outcome Measure</th> </tr> </thead> <tbody> <tr> <td>The volume of wastewater treated</td> <td>Increased volume treated</td> </tr> <tr> <td>Volume at pump stations #5 & #6</td> <td>Increased volume vs. old volume measures</td> </tr> <tr> <td>The volume of solid waste sorted and disposed</td> <td>Increase in the volume of waste removed with Huber screen</td> </tr> <tr> <td>Cost of energy demands (from the power grid)</td> <td>Decrease in energy demands for the WPC facility on the public power grid</td> </tr> <tr> <td>Cost of equipment maintenance</td> <td>Fewer dollars spent on maintenance</td> </tr> <tr> <td>EPA monitoring and reporting</td> <td>Improved state and federal EPA surveys</td> </tr> </tbody> </table>	Output Measure	Outcome Measure	The volume of wastewater treated	Increased volume treated	Volume at pump stations #5 & #6	Increased volume vs. old volume measures	The volume of solid waste sorted and disposed	Increase in the volume of waste removed with Huber screen	Cost of energy demands (from the power grid)	Decrease in energy demands for the WPC facility on the public power grid	Cost of equipment maintenance	Fewer dollars spent on maintenance	EPA monitoring and reporting	Improved state and federal EPA surveys														
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<p>13. Leveraged Private Investment:</p>	<p>This improvement project does not involve private investment.</p>																												

ATTACHMENT A
ITEMIZED PRICE LIST

<u>Item</u>	<u>Quantity</u>	<u>Price</u>	<u>Total</u>
Vegapuls C22 Radar Level XDCR	2	\$1154.40	\$2308.80
Radar XDCR Mounting Bracket	2	242.40	484.80
Miscellaneous Hardware	1	300.00	300.00
Labor	3	1120.00	3360.00
HDL 12" Flanged Ball Check Valves	2		\$19,985.00
Pump Suction Plug Valve & Discharge Check Valve Replacement (parts and labor)	3		\$38,912.00
Gas Fired Make-Up Air Unit	1	\$19,422.00	\$19,422.00
Gas Fired Make-Up Air Unit	1	18,780.00	18,780.00
Gas Fired Make-Up Air Unit	1	18,350.00	18,350.00
Huber Screen (parts and labor)	1	\$18,238.00	
			<u>TOTAL \$140,140.60</u>

**ATTACHMENT B
PROJECT SUPPORT LETTER**

Struthers Water Pollution Control Facility | 3



CITY OF STRUTHERS

"The City with a Heart ... In the Heart of it all"

Mayor Catherine Cercone Miller
Eastgate Regional Council of Governments

Municipal Building • 6 Elm Street • Struthers, Ohio 44471
Phone: 330-755-2181 x 110
E-mail: mayor@cityofstruthers.com

ATTN: Kathy M. Zook

100 E. Federal Street, Suite 1000

Youngstown, OH 44503

May 13, 2022

Dear Mrs. Zook,

Enclosed is our FY 2023 Appalachian Regional Commission Pre-Application. The City of Struthers respectfully requests \$140,140.60 for our 2023-2024 Water Pollution Control Improvement Project within the application.

The project seeks to enhance critical wastewater infrastructure at the City of Struthers Water Pollution Control (SWPC) Facility. The SWPC treats 5.2 million gallons of wastewater each year and removes 500 tons of solid waste from the water flow. The facility provides services to the City of Struthers, Poland, and parts of Boardman Township.

We are seeking funding through the ARC to support the costs of replacing volume sensors and valves at two pump stations. We are also looking to replace rooftop ventilation systems to provide clean air within SWPC facilities. Finally, the project seeks funding to replace components of the existing Huber screen which is necessary for the separation of solid waste. The upgrades are necessary to protect facilities and equipment, efficiently move sludge, provide a safe environment to SWPC staff, and to meet state and federal EPA standards.

While the City's 2021-2022 project received ARC funding, the SWPC has not received any significant upgrades since 1986. The project seeks to meet ARC goals of investing in critical infrastructure, specifically the strategic goal of establishing, maintaining, and extending critical infrastructure systems for Ohio businesses and residents.

We thank you for your consideration of our request.

Sincerely,







Cat Cercone Miller

ATTACHMENT D MEMORANDUM OF UNDERSTANDING

EACH YEAR THE APPALACHIAN REGIONAL COMMISSION (ARC) RECEIVES AN APPROPRIATION FROM CONGRESS. A FORMULA IS APPLIED TO THAT SUM TO ALLOCATE PROGRAM FUNDS AMONG THE 13 STATES. THE ARC PROGRAM FUNDS MAY ONLY BE USED FOR PROJECTS LOCATED WITHIN THE 420 COUNTIES DESIGNATED BY CONGRESS AS THE APPALACHIAN REGION. IN OHIO, 32 OF THE 88 COUNTIES ARE DESIGNATED AS APPALACHIA AND ELIGIBLE FOR FUNDING.

THE GOVERNOR'S OFFICE OF APPALACHIA (GOA) RECEIVES APPROXIMATELY \$4 MILLION ANNUALLY FROM ARC TO IMPLEMENT THE ARC PROGRAM. USING A "BOTTOM UP" APPROACH, GOA COORDINATES PROJECT DEVELOPMENT WITH THE FOUR LOCAL DEVELOPMENT DISTRICTS (LDD):

-  BUCKEYE HILLS REGIONAL COUNCIL OF GOVERNMENTS LOCATED IN MARIETTA
-  EASTGATE REGIONAL COUNCIL OF GOVERNMENTS LOCATED IN YOUNGSTOWN
-  OHIO MID-EASTERN OHIO GOVERNMENTS ASSOCIATION LOCATED IN CAMBRIDGE
-  OHIO VALLEY REGIONAL DEVELOPMENT COMMISSION LOCATED IN WAVERLY

A POTENTIAL APPLICANT MUST WORK WITH THEIR ASSIGNED LDD FOR GUIDANCE ON THE ELIGIBILITY FOR FUNDING AND ASSISTANCE IN PREPARING AN APPLICATION. THE GOVERNOR OF EACH STATE SELECTS PROJECTS TO BE SUBMITTED TO ARC FOR FUNDING.

PROGRAM GRANTS ARE AWARDED TO STATE/LOCAL AGENCIES, GOVERNMENTAL ENTITIES (E.G. ECONOMIC DEVELOPMENT AUTHORITIES), LOCAL GOVERNING BOARDS (E.G. COUNTY COMMISSIONERS) AND NON-PROFIT ORGANIZATIONS (E.G. SCHOOLS OR ORGANIZATIONS THAT BUILD LOW-COST HOUSING). PROGRAM GRANTS ARE NOT MADE TO INDIVIDUALS OR FOR-PROFIT ENTITIES.

APPLICATION PROCESS AND TIMELINE FOR FY2023 IS AS FOLLOWS:

PRE-APPLICATION PROCESS

MARCH - AUGUST 2022

1. EASTGATE LDD WORKS WITH THEIR LOCAL COMMUNITIES TO DEVELOP PROJECTS THAT WILL HAVE THE GREATEST IMPACT IN THE DISTRICT.
2. EASTGATE PRE-APPLICATION REQUIRED VIRTUAL WORKSHOP: Scheduled at 1:30pm on April 18, 2022
3. EASTGATE LDD PRE-APPLICATION DUE DATE BY 3PM ON MAY 16, 2022
4. EASTGATE LDD CORRESPONDS WITH COUNTY COMMISSIONERS FROM EACH OF THE THREE COUNTIES TO GAIN INPUT ON PRIORITY OF PROJECTS WITHIN THEIR COMMUNITY THAT MEETS ARC GOALS.
5. EASTGATE LDD COMPILES A LIST OF PRIORITY PROJECTS TO PRESENT TO THEIR TAC, CAB, AND GENERAL POLICY BOARD.
6. EASTGATE LDD SUBMITS PRIORITY PROJECT PACKAGE TO GOA.
7. LDD'S AND GOA MEET TO DEVELOP OHIO INVESTMENT PACKAGE (FINAL LIST OF PROJECTS COMPILED FROM 4 LDD PRIORITY PROJECTS SUBMITTED).
8. GOA SUBMITS INVESTMENT PACKAGE TO ARC.

FULL APPLICATION PROCESS

AUGUST 2022 – FEBRUARY 2023

1. EASTGATE LDD HOLDS FULL APPLICATION WORKSHOP
2. APPLICANTS SUBMIT FULL APPLICATIONS TO LDD FOR REVIEW.
3. EASTGATE SUBMITS FULL APPLICATIONS TO GOA FOR REVIEW AND SUBMITTAL TO ARC.
4. ARC REVIEWS, APPROVES AND MAKES FUNDS AVAILABLE TO APPLICANTS.
5. PENDING APPROVAL APPLICANT RECEIVES ARC/GOA GRANT AWARD LETTER.

PROGRAM PARAMETERS:

1. ARC FUNDS **ARE NOT** GUARANTEED TO ANY GRANTEE UNTIL THE ARC FEDERAL CO-CHAIRMAN HAS APPROVED THE PROJECT IN WASHINGTON, DC.
2. ARC **WILL NOT** REIMBURSE EXPENDITURES OCCURRING BEFORE ARC APPROVAL, OR REIMBURSE ANY EXPENSES INCURRED FOLLOWING THE CONCLUSION OF THE GRANT PERIOD.
3. DEMOLITION AND/OR CONSTRUCTION **CANNOT** BE STARTED ON ANY PROJECT PRIOR TO ARC APPROVAL OF THE PROJECT. DO NOT PURCHASE EQUIPMENT, DEMOLISH, TEAR DOWN, BREAK GROUND, OR CONSTRUCT ANYTHING WITHOUT ARC AND BASIC AGENCY WRITTEN APPROVAL.
4. EQUIPMENT **CANNOT** BE PURCHASED PRIOR TO AN ARC AWARD. THERE IS **NO** REIMBURSEMENT PROCESS.
5. ARC FUNDS **CANNOT** BE SPENT OR COMMITTED PRIOR TO NOTIFICATION OF ARC APPROVAL. GOA WILL SEND COVER LETTER AND COPY OF ARC APPROVAL LETTER.
6. ARC NO LONGER GRANTS A WAIVER ON ANY PROJECT (THIS PROCESS HAS BEEN DISCONTINUED).
7. PROJECT LOCATED IN DISTRESSED COUNTIES MAY BE FUNDED UP TO **80%** OF THE TOTAL PROJECT COST, **70%** IN AT-RISK COUNTIES, **50%** IN TRANSITIONAL COUNTIES AND **30%** IN COMPETITIVE COUNTIES. ARC FUNDING WILL VARY FOR PROJECTS THAT INCLUDE ACTIVITIES AND/OR SERVICES INVOLVING MORE THAN ONE COUNTY.
8. GRANTEE MUST MEET ARC AND FEDERAL BASIC AGENCY GUIDELINES.
9. LOCAL ACCESS ROAD PROJECTS MAY BE FUNDED UP TO 100% UP TO \$500,000 THROUGH THE FEDERAL HIGHWAY ADMINISTRATION PROGRAM.
10. ARC IS A REIMBURSEMENT GRANT. THE APPLICANT MUST BE ABLE TO PAY THE BILLS INITIALLY, AND THEN REQUEST REIMBURSEMENT.
11. Once grant award letter is received and ARC funding is made available to the applicant, it is anticipated the ARC funds will be spent on your project within 12 months.
12. Applicants should also note, with the exception of Access Roads, the total amount of all federal funds committed to a project, including ARC, cannot exceed 80% of the total project cost.

AFTER READING THESE GUIDELINES, PLEASE SIGN AND DATE.

IF YOU HAVE ANY QUESTIONS, YOU MAY CONTACT YOUR LOCAL DEVELOPMENT DISTRICT OR THE GOVERNOR'S OFFICE OF APPALACHIA.

PLEASE SIGN AND RETURN ORIGINAL WITH YOUR PRE-APPLICATION.

I HAVE READ AND FULLY UNDERSTAND THIS DOCUMENT.

City of Struthers, Ohio

TYPE COMPANY/ORGANIZATION NAME

_CATHERINE CERCONE MILLER/ MAYOR, CITY OF STRUTHERS

TYPE REQUIRED SIGNATURE/TITLE



REQUIRED SIGNATURE

5-13-22

DATE

ATTACHMENT F
TIMELINE

<u>Category</u>	Start Date	End Date
Complete bus. plan/needs assessment by plant manager	1-2022	12-31-2023
Advertise/seek quotes and/or bids	2-22-2022	3-28-2022
Open quotes and/or bids	2-22-2022	3-28-2022
Apply for ARC funding	4-4-2022	4-16-2022
Secure funding	Q1 2023	Q1 2023
Determine local cost share (if any)		
Begin non-construction project	7-1-2023	
Complete non-construction project		12-31-2023