

**FY25-26 CAPITAL BUDGET
PROJECT INFORMATION
WORKSHEET**

1) Project name, a general description of the overall project, and a specific description of the purposes or specific portion(s) of the overall project for which state capital dollars would be used

Project Name: **Water Tower Replacement Improvement Project
Priority Two**

General Description:

Design for the elevated tank project. This description will include the tank's construction style and features, site improvements and outline necessary tasks for the completion of the design. Complete a topographical survey of the property for the proposed tank. Jones & Henry will subcontract with Garcia Surveying. OUPS will be contacted before the survey to locate underground utilities. To be more cost-efficient Jones & Henry are proposing completing the water treatment plant site topographic survey simultaneously. Complete a geotechnical evaluation of the proposed tank location. Jones & Henry will subcontract with Geotechnical Consultants, Inc. (GCI). Jones & Henry will work with GCI to stake proposed boring locations. GCI will clear the area of brush/trees required to perform the borings. To be more cost efficient we are proposing completing the water treatment plant site geotechnical evaluation simultaneously. Contact several tank suppliers to obtain preliminary costs, tank styles, review existing geotechnical data and obtain up to date specifications and drawings. Prepare applications for required permits; permit fees will be the responsibility of the Village. Permits may include the FAA Form 7460, Building Permit, and Plan Review by OEPA. Prepare plans, bid specifications, and technical specifications for the water tower project.

- o Drawings will include, plan view and elevations of the tank showing foundation, height to the overflow, piping connections, overflow details, site drainage, water mains, electrical, controls, lighting, heating, doors, cathodic protection, fence, telecommunication antenna and access road.

- o Specifications will include front end and bidding documents; and technical specifications related to the tank, concrete foundation, piping, valves, electrical, controls, cathodic protection, painting and any site related features.

Prepare the final Engineer's Opinion of Probable Construction Cost. Services during bidding and construction will be provided under a separate agreement. Assumptions:

- Tank volume, and overflow height have been determined by others. For the purposes of the Geotechnical scope we have assumed a volume of 400,000 gallons.
- Power can be provided to site from adjacent property.

2) Physical location and address of the project (city/village/township and county)

1 Patrick Avenue, Ashville, OH 43103 in Harrison Township & Pickaway County, **Exhibit A.**

3) Legal Entity Name and any alternative Doing Business As (DBA) trade names on file with the Ohio Secretary of State and the organization sponsoring the project

Village of Ashville, Department of Waterworks Current LTO # HO6500012

4) Identification of the facility or asset owner during construction and after work is completed

Village of Ashville, Department of Water, 140 Park Street, Ashville, OH 43103

Village of Ashville, Department of Administration, 200 East Station Street, Ashville, OH 43103

5) Amount of state funding being requested for the FY 2023-24 capital biennium

Jones & Henry Engineers, LTD. has been selected through the Ohio Statement of Qualification process as the design firm. They have submitted a “General Plan” to the OhioEPE. The cost estimate for the construction of this project is \$3,600,000, **see Exhibit B.**

6) Amount and source of non-state funding, including private, not-for-profit, local, and federal funds supporting the project

In addition to its own funding, the Village of Ashville is exploring the Division of Environmental & Financial Assistance (DEFA), Ohio Water Development Authority (OWDA), Ohio Public Work Commission (OPWC) Department of Water, and this source of funding for a new water facility.

7) The amount and source of state funding the project or asset has received in the past, and whether the project will be requesting additional state funding in future capital biennia

The Village of Ashville has received in the past Community Development Block Grant (CDBG) for \$207,995 (Grant), Division of Environmental & Financial Assistance (DEFA) for \$15,131,119 (Interest Rate 0.48%), NatureWorks for \$100,000 (Grant), Ohio Public Work Commission (OPWC) for \$1,749,977(Grant) and for \$2,937,986(Zero Interest Loan), Ohio Water Development Authority (OWDA) for \$957,647(Loan), Pickaway County Park District for \$57,308 (Grant), and Recovery Funds for \$250,000 (Grant). This is the beginning of obtaining funding for a water facility.

8) Identification and a description of any use by or involvement of private for-profit businesses or not-for-profit entities

This water tower would be a Village of Asheville owned facility used by all customers (residential, commercial, public, and private).

9) Identification and description of any use or involvement by the federal government

Some of the originating funding may be connected to the federal government, see answer to number 7.

10) Identification of the annual amount of and source(s) of funding for ongoing operational costs

There are two sources of funding. Operational Revenue from 5101

Water	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Annualized 2023
5101	\$347,059	\$332,336	\$347,729	\$382,297	\$407,480	\$430,280	\$302,768	\$369,747	\$429,944	\$334,845	\$442,492	\$485,661	\$474,065	\$235,564	\$386,297

Capacity Fee Revenue 5701

Water	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Annualized 2023
5701	\$208,582	\$24,086	\$18,090	\$21,054	\$9,000	\$6,000	\$3,000	\$145,000	\$98,790	\$45,000	\$6,000	\$372,000	\$0	\$0	\$192,733

11) Any additional relevant information that the requesting organization believes would be of assistance in evaluating the project’s value and eligibility to receive state capital funding

Similar to our wastewater facility, we will create a Water Debt Service Revenue Stream to collect funds for the repayment of any loan. We also will have additional users of water and sewer. The following outline approved developments and units:

Developments	Maronda Homes Ashton Crossing	The Wills Group The Distillery	Fischer Homes Hickory Glen	Maronda Homes Pine Ridge SF	Maronda Homes Pine Ridge MF	D.R. Horton Walnut Mill	Total
Number of Units	75	216	196	391	369	224	1471

Based upon historical usage and capacity fees. These units will generate:

¾ Inch Tap \$4,320 X 1,471 = \$6,354,720 - a one-time fee

Average Annual Revenue \$1,567 X 1,471 = \$230,947 an automatic CPI annual increase is not calculated into this number

Exhibit C

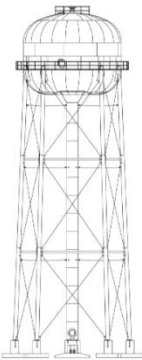



12) Description of how the project's support will benefit the general public and how often the public will be able to gain access to the facilities or services provided by the community project funds

This project will substantially add to the capacity of the Village of Ashville to provide water (400,000 gallons of storage capacity). It will replace a tower on Cromley Avenue tower that was constructed in 1948. Along with storage capacity, it would enhance water pressure in that area. Every current constituent using water in the Village of Ashville will benefit. Every future resident that can enter the workforce for Central Ohio will benefit Ashville and all of Central Ohio.



Below is a summary of various water tower designs that are available. The tower is intended to have a 400,000 gallon capacity and an overflow elevation of 120 feet. Generally, Multi-column and spheroid tanks are lower cost while fluted column and composite tanks are more expensive. Spheroid tanks are gaining in popularity over multi column tanks and composite tanks over fluted column tanks due to less recoating and maintenance costs.

Quotes below are for the tower only. Quotes do not include related expenses such as: deep foundation system, yard piping, site work, fencing, electrical, SCADA, cellular antenna provisions, cathodic protection, Fluorourethane paint, mixing systems, dewatering, rock excavation etc.

Water Tower Design	Description
<p>Multi-Column Tanks</p> <p>The tank consists of a welded steel container supported by multiple welded steel legs, perimeter columns, and a central welded steel riser. These are reinforced with horizontal struts and diagonal bracing rods.</p> <p>Most multi-column designs also feature an exterior balcony, a structural member that allows easier inspection and maintenance of the tank container. Multi-column tanks are typically preferred in areas of high wind and/or seismic activity.</p> <p>Quotes: None received</p>	 
<p>Spheroid/Single Pedestal Tanks</p> <p>A single pedestal tank contains a single, welded steel pedestal supporting a welded steel container. Single pedestal tanks typically require a smaller compact construction footprint and offer the benefit of less surface area, hence less expense for paint maintenance.</p> <p>Quotes: Caldwell Tank: \$1,850,000 Maguire Iron: \$1,450,000 Landmark: \$2,700,000</p>	 

Water Tower Design	Description
<p>Fluted Column Tanks</p> <p>A fluted column tank is a single, steel, fluted pedestal supporting a welded-steel container. Fluted column offer similar design characteristics and internal storage capabilities as composite tanks. The primary distinction of fluted columns is their construction entirely of carbon steel.</p> <p>Fluted column tanks offer an aesthetic alternative to composite tanks, with a pedestal structure that can be painted to compliment the container. Fluted column tanks also offer more rigidity and stability than composite systems. This difference can be beneficial in areas with greater risk of seismic activity.</p> <p>However there is significantly more exposed steel than on a composite tank, increasing recoating and maintenance costs.</p> <p>Quotes: Caldwell Tank: \$3,500,000 Maguire Iron: \$1,650,000 Landmark: 3,200,000</p>	
<p>Composite Tanks</p> <p>An elevated welded carbon-steel water storage tank, supported by a steel-reinforced concrete support pedestal (extending vertically from the steel-reinforced foundation as a circular concrete support structure). The reinforced concrete pedestal features architectural, horizontal, and vertical rustication patterns formed into the exterior of the pedestal. The concrete pedestal means less coating is needed and less to maintain in the long run.</p> <p>More than 75 percent of all elevated water storage applications throughout North America are now composite tanks</p> <p>Quotes: Landmark: \$2,800,00</p>	

