

# READING MUNICIPAL GARAGE RAINWATER COLLECTION AND REUSE PROJECT

## FAST FACTS

Location:

Reading, Ohio

Project Partners:

Mill Creek Watershed  
Council of Communities

City of Reading

CDM Smith

Project Area: 4,000 sq. ft.

Project Cost: \$26,000

Completed: Winter 2016

## PROJECT FEATURES

Gutters and downspouts  
to capture rainwater

3,400 gallon cistern for  
rainwater storage

Educational signage

## CONTACT US

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The Reading Municipal Garage Rainwater Collection and Reuse project turns rainwater runoff into a sustainable water source for use by the City of Reading

Located near the confluence of Cooper Creek and the Mill Creek, the Reading Municipal Garage Stormwater Collection and Reuse Project provides a sustainable gray water source for the City of Reading and provides a demonstration of rainwater harvesting. Capturing rainwater from impervious surfaces decreases peak flows that cause erosion, stormwater pollution, and combined sewer overflows.

## What is the Reading Municipal Garage Rainwater Collection and Reuse Project?

With the addition of gutters and storage, the City of Reading municipal garage has become a new source of water to be used for tree watering, street cleaning and other projects. The newly-installed gutter system and storage cistern capture and store most storms producing up to an inch of rainfall. The rainwater collection system not only saves rainwater for use by the City, it also diverts untreated rainwater that used to discharge directly into Cooper Creek. Untreated stormwater from impervious surfaces, such as roofs, streets and parking lots, causes peak flows in streams to increase. A filter installed within the system, before water enters the tank, also decreases the amount of sediment that will be discharged into local streams once the water is used by the City. The project provides both an inexpensive and sustainable water source for the City and improves water quality in the Mill Creek basin.



## PROJECT GOALS

Capture rainwater to provide an inexpensive, sustainable water source for the City of Reading

Reduce peak stormwater flows

Filter pollutants out of stormwater



Rainwater is filtered before entering the storage cistern to remove leaves and debris which can accumulate on the roof



A 3,400 gallon tank stores the captured rainwater until it is needed by the City



The starred roof top provides water and decreases impervious surface runoff



Captured water can be used for watering trees or gardens and cleaning equipment

## Project Partners

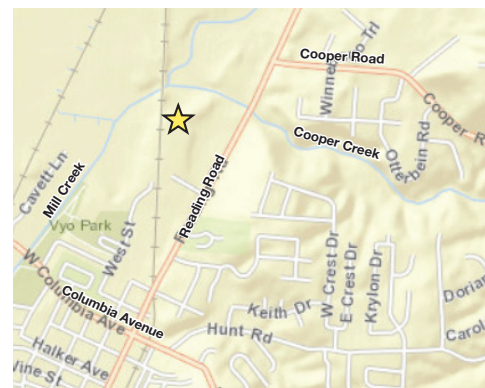


## Project Funder



This project or publication was financed through a grant from the Ohio Environmental Protection Agency under the Nonpoint Source Pollution Control Program.

## LOCATION



420 Cavett Lane  
Cincinnati, Ohio 43215

Located in Reading, Ohio