



Washington Conservation District Green Churches



Clean Water Funds: 2012

Clean Water Grant	\$150,000
Leveraged Funds*	\$46,024
Total Project Budget	\$196,024

* Leveraged Funds include required 25% local match

Project Sponsor:
Washington Conservation District

Grant Period:
January 2012—December 2014

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C12-229 - Community Partners

Project Narrative

The Washington Conservation District, in collaboration with the Middle St Croix WMO and the South Washington Watershed District, has partnered with churches in Washington County to improve water quality in the Mississippi and Saint Croix Rivers.

A large amount of effort has gone in to identifying phosphorous loading and other nutrient sources throughout Washington County, and installing stormwater retrofit projects at local church campuses represents a major opportunity to work with the community for water quality improvement. The participating churches have installed conservation practices, targeting impervious surfaces on the



campuses. This project provided funding for free technical assistance and consultation and funding to install multiple raingardens, pervious pavement and rainwater harvesting methods to capture and improve water quality to downstream water resources. Beyond the grant, staff have provided outreach and education support for stewardship activities involving members of the churches. Additionally, articles about these projects sharing the importance of protecting clean water and legacy dollars have appeared in local media sources, such as the Stillwater Gazette. Woodbury Community Church was awarded the Environmental Excellence Award and it

Proposed Outcomes:

Project Goals: Install a pervious pavement patio, dry creek bed, and four raingardens. The pollutant removal goals for the project are 6.4 lbs/yr of phosphorous and 2000 lbs/yr of TSS.

Actual Outcomes:

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Three curb cut Raingardens installed at St. Peters Church in Stillwater removed .47 #P and .083 Tons TSS.
Three Raingardens installed at Woodbury Community Church removed 4.49 #P and .134 Tons TSS.
Two Raingardens and one water reuse project installed at Harbor Church in Denmark Township which removed 1.59 #P and .93 Tons TSS.
Pervious pavement parking lot and one raingarden installed at Trinity Lutheran Church in Stillwater removed 2.45 #P and .325 Tons TSS.
These projects together model to remove 9.57 lbs/yr of phosphorous and 2,151 lbs/yr of TSS.
These results do not meet the application goals of reducing 6.4 lbs/yr delivery to the St. Croix and Mississippi Rivers due to watershed location.

