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# Cost Share Grant Project Overview

## PROJECT PROFILE

Green Roof  
Hopkins, MN  
2014  
\$3,000 Grant Funding  
\$5,008 Total Project Costs

## SUMMARY

This cost share project installed a vegetated green roof on a residential garage in Hopkins. A green roof is typically a roof covered with vegetation, planted on top of a waterproof layer. Green roofs benefit water quality because stormwater runoff is reduced. The vegetation planted on the roof and soil material absorb rainwater that would not have been captured by a conventional roof. Green roofs have the added benefits of providing insulation for the building, creating habitat for wildlife and pollinators, and lowering urban air temperatures.

## SPECIFICATIONS

- Retains 70-90% of stormwater runoff
- 5 inch of growing medium used on roof (compared to typical 3 inch growing medium)
- Biochar added as a lightweight soil amendment to increase native plant drought resistance
- Planted with sedums, little blue stem, & flowers

## RESULTS

Construction of the green roof was successful, and the roof continues to flourish with vegetation and wildlife.

The use of biochar enhanced the water retaining capability of the roof and proved to be a suitable soil amendment for native vegetation.

Some plant loss has occurred, but other plants have filled in the spaces.

