

# Why Green Roofs?

## **Stormwater Management**

Compared to a traditional rooftop, a green roof captures and stores a high percentage of rain. This reduces stormwater runoff that causes flooding in our local streams. By capturing rain before it becomes runoff, less tax dollars are needed to fix stream bank erosion issues.

## **Energy Conservation**

Roofs with plants have been found to keep homes cooler in the summer, reducing air conditioning costs, and warmer in the winter, reducing heat costs.

## **Improved Air Quality**

Green roofs reduce smog. Plants remove carbon dioxide and filter other air pollution particulates.

According to the Environmental Protection Agency, the surface of a green roof on a hot summer day can be as much as 90° F cooler than the surface of a traditional rooftop. Therefore, green roofs can help reduce the temperature in a developed area by replacing traditional roofs.

## **Increased Longevity of Roofing**

A traditional roof lasts from 15 – 25 years. Green roofs minimize degradation from sunlight and temperature extremes. As a result, the life expectancy of the roof is easily doubled. A green roof installed in Germany more than 40 years ago is still functioning today without leaking.

## **Aesthetically Pleasing**

Most would agree that a roof with plants is more aesthetically pleasing than a conventional roof!

## Thanks to our partners:

Penn State **Extension**



ADAMS COUNTY  
CONSERVATION DISTRICT



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