

GREEN ROOF PROJECT

STATE PROGRAM: Pennsylvania Infrastructure Investment Authority

ASSISTANCE RECIPIENT: Temple University

ASSISTANCE AMOUNT: \$6.7M



PROJECT DESCRIPTION

While designing a new campus library, Temple University determined that traditional impervious roofing would contribute to runoff, exacerbating combined sewer overflows in the City of Philadelphia. The University received a \$6.7 million CWSRF loan to install a green roof to reduce urban runoff—both on its campus and in north central Philadelphia. The green roof and drainage include two infiltration basins, 25,000-gallon rainwater harvesting cisterns, absorbing Silva Cells, area landscaping, stormwater piping, trench drains, storm manholes, yard drains, overflow drains, green roof assembly, and green roof landscaping combined with porous paving. The University also planted native flowering plants on the green roof to help support local pollinator populations and to create a green space for local fauna within the urban landscape.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2021-02/documents/2020_pisces_compendium.pdf.