



GREEN STREETS | GREEN JOBS | GREEN TOWNS INITIATIVE

The Green Streets, Green Jobs, Green Towns Partnership (G3) aims to stimulate the green jobs market and enable families to work where they live and play. Small to mid-sized communities can boost their local economies and protect water resources through the use of watershed planning, design and construction of stormwater best management practices.



WATER ENVIRONMENT FEDERATION

Support for Innovative Approaches and Clean Water Technologies for Resilient Redevelopment

This project supported efforts to develop standardized testing and evaluation protocols in the stormwater sector to harmonize standards across states and jurisdictions in a goal to reduce costs and times associated with getting new technological innovations into the market in a more efficient manner than under current conditions. This support took the form of visioning, planning and facilitating efforts associated with the establishment of field and/or lab testing and evaluation sites associated with public or private properties. These efforts were visioning and design charrette events at specific locations to explore the potential of sites to be pilot and full-scale testing and evaluation sites for stormwater technologies. Specifically, the context of exploration was through the potential application of the Stormwater Testing and Evaluation for Products and Practices (STEPP) initiative, founded and led by the Water Environment Federation (WEF).

rethink traditional approaches to stormwater management in sites with spatial or land-use constraints.

After an open call for project site submissions, two sites were then selected as case studies for the project – Joe’s Movement Emporium in Maryland and Reservoir Park in the City of Lancaster, Pennsylvania. WEF’s project partners provided conceptual design services through the grant to rethink the redevelopment of these two sites in a more resilient way.



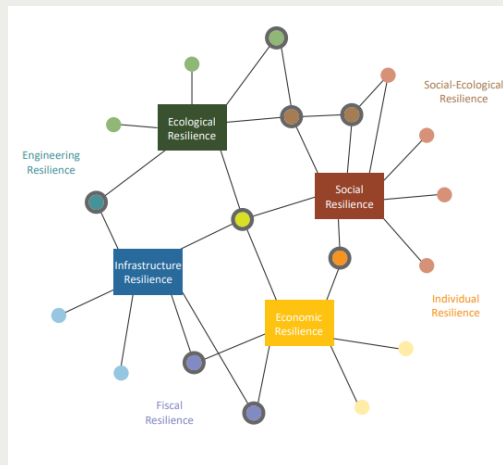
2 workshops with 107 attendees



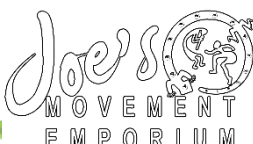
2 design plans created



4 publications produced, with 300 print copies distributed



The two charrette workshops were held in Lancaster, PA in December 2019, and the second in Washington, DC. The workshops challenged participants to



PROJECT ELEMENTS

- **Resilient Redevelopment for Everyone Digest** – This was published by WEF in August 2020 and can be viewed [here](#). This digest describes outcomes of the design charrette workshops, and overviews of the selected case studies. The digest is available for anyone to download and can be used as a model process to overcome risk and unlock redevelopment potential.
- **Site Catalog**–This catalog displays redevelopment projects and is available as a searchable compilation. The Site Catalog can be used to consider the impact of site conditions on optimal green value engineering designs. All stages, from concept to completion, as well as an expansive approach to redevelopment constraints and challenges are considered. View catalog [here](#).



SUSTAINABILITY & GROWTH

For ease of replication to engage developers, designers, regulators, advocates, and academics in building strategies for resilience, a detailed reflection of the charrette workshops and design services was included in the Digest document, including a 4-step charrette process and a Green Value Engineering approach to design. The Site Catalog of design challenge redevelopment sites capturing site data and workaround solutions for green infrastructure is envisioned as a public resource to drive process discussions and can be leveraged for future workshops. The Digest document is meant to capture the project's overall experience by creating a public resource that can be leveraged for future workshops. It should be used to shape discussions about the interplay between green infrastructure and resilience and private redevelopment with a range of stakeholders.

For future download and use, the project landing page, digest, and site catalog will continue to be hosted online and available for all after this project has ended. The site catalog of development typicals will be hosted online for 2-years by project partner EcoLucid. After this time, WEF moved this document to a simple PDF format hosted on the WEF Stormwater Institute project landing page. WEF will continue to host the project landing page on the WEF Stormwater Institute webpage, along with the digest document. The Stormwater Report article will continue to be available online as part of the website archives.

Year Awarded: 2019

Award Amount: \$119,304

Developers

Engineers

Advocates

Resilient Redevelopment for Everyone

Strategies to Overcome Risk and Unlock Potential

A Digest of Charettes and Green-Value Engineering

Embrace
Green
Infrastructure

Unlock
Overlooked
Sites

Overcome
Site
Challenges

wef Stormwater
Institute



Project Partners: Chesapeake Bay Trust, City of Lancaster, DesignGreen LLC, EcoLucid, Joe's Movement Emporium, U.S. Environmental Protection Agency, Water Environment Federation