



STORMWATER AUTHORITY OF CHESTER

CITY OF CHESTER, PENNSYLVANIA



THE CITY OF CHESTER AND CORVIAS IMPLEMENTED THE COMMUNITY-BASED PUBLIC PRIVATE PARTNERSHIP (CBP3) AS THE SOLUTION TO ITS STORMWATER REGULATORY CHALLENGES.

**30
YEARS**
2018-2048



Corvias' innovative project approach aggregates projects and create economies of scale through holistic program initiation, planning, design and project execution.

PROJECT SCOPE

Corvias launched the Community-Based Public Private Partnership (CBP3) with the City of Chester and its new Stormwater Authority to meet the City's stormwater challenges and support the City's 2020 vision. Corvias is joined by the US Environmental Protection Agency, PENNVEST, and the Chester Water Authority, three significant supporters of this new CBP3—one of only a few that exist nationally. The goal of the CBP3 is to create a transparent framework that aligns the needs of public, private and community stakeholders and to form a long-term relationship that stimulates the economy through utilization of local disadvantaged business while achieving regulatory goals. The vision for this CBP3 program is to plan, implement, and manage an integrated Green Stormwater Infrastructure (GSI) urban retrofit program within the City of Chester, including a long-term 30 year operation and maintenance program. The effort will support greater greening efforts in the region, generating hundreds of jobs and significant small business growth for this historically impoverished, overly burdened, urbanized community in the Delaware River watershed.

FINANCING

The Chester CBP3 is a \$50 million investment that takes a "Triple Bottom Line" (TBL) approach, utilizing investments with the ability to provide environmental, social and economic benefits. At the onset of the CBP3, the partnership recieved a \$1 million grant from PENNVEST to design various green infrastructure assets that will be constructed throughout the city to improve both the quality and resilience of grey infrastructure by integrating stormwater runoff controls that reduce the volume of pollutants to Ridley Creek, Chester Creek, and the Delaware River.

**\$50
MILLION**

TOTAL DEVELOPMENT
COST



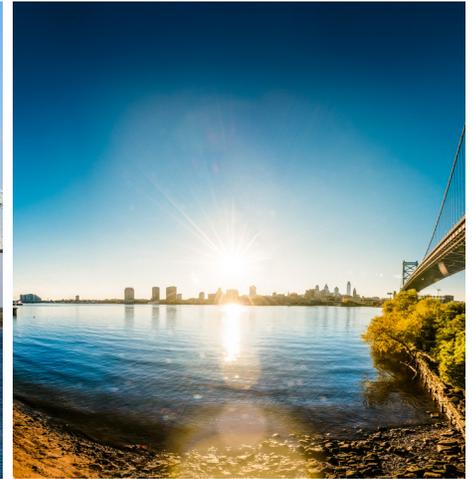
**\$24
MILLION**
In O&M Spending



**\$149
MILLION**

TOTAL LOCAL ECONOMIC IMPACT





ENGAGING THE COMMUNITY

The vision for the Chester CBP3 program is to implement and maintain impactful stormwater retrofits within the City of Chester over the next 30 years using methods to increase the scale typically achievable when compared to traditional approaches, while engaging broad local community participation, including the training and creation of hundreds of local jobs, through support of local contractors and growth of small, minority-owned businesses. The CBP3 program approach focuses on utilizing the needed environmental improvements as a catalyst for local economic growth and community involvement. Treating stormwater as an infrastructure asset throughout our cities creates an excellent opportunity for local economic development that improves property values, provides contracts to local employers, and creates workforce opportunities.

OPERATING EFFICIENTLY

The program ensures the long-term functionality of the stormwater management devices installed, with Corvias overseeing approximately \$40 million in operations and

maintenance over the next 30 years, providing both enhanced water quality and sustainable green infrastructure jobs for future generations. Program implementation is fully transparent and fee based, which ensures aligned objectives among Corvias, the Stormwater Authority of Chester, its citizens, and its environment. Since Corvias does not retain a portion of profits, all cost savings are reinvested back into the partnership for the City to retrofit additional acres much faster than they could have previously.

A MODEL FOR THE FUTURE

Ultimately, Chester hopes to become a regional hub for the stormwater industry sector. By being a “living lab” of Green Stormwater Infrastructure (GSI) applications and large-scale infrastructure investments, other communities in the region will look to companies and professionals in Chester as a resource for their own GSI and integrated infrastructure re-development programs. In this way, the Chester CBP3 program will provide a platform for those in the GSI sector to grow and launch new and expanding investments.

PARTNERSHIP DETAILS

- Unique community-based P3 (CBP3), the EPA-endorsed model for counties to achieve stormwater compliance
- Local workforce and economic development through local hiring and local small and minority-owned business subcontracting
- Provides flexibility for local government to utilize best practices to create tailored programs

DURATION	30 years, 2018-2048
CAPITAL RAISE	\$50 million
FINANCING STRUCTURE	State Revolving Fund
DEVELOPMENT COSTS	\$50 million
TOTAL LOCAL ECONOMIC IMPACT	\$149 million

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