



A NEW MODEL FOR URBAN RENEWAL: STORMWATER AUTHORITY OF CHESTER'S COMMUNITY-BASED PUBLIC-PRIVATE PARTNERSHIP

The Stormwater Authority of Chester has created a Community-Based Public-Private Partnership (CBP3) to plan, finance, build and maintain up to \$50 million in green stormwater infrastructure over the next 20- 30 years on approximately 350 acres to address significant pollution and flooding issues; improve neighborhood quality of life; assist small, minority-owned businesses; drive economic growth, including significant job creation and cost savings to water and other public and private capital improvement efforts (e.g., streets, housing, economic development, education) in the region.

WHO

- **US EPA (Region 3 and Headquarters)** is providing more than \$150,000 in technical and planning assistance, including help to design and develop the CBP3, enabling greater infrastructure investment and efficiencies.
- **PENNVEST**, Pennsylvania's infrastructure investment authority, has announced a \$1 million planning/pre-construction grant to support the initial \$11 million-\$15 million green street projects in Chester.
- The water quality program being planned by the **Stormwater Authority of the City of Chester** and its private partner, **Corvias**, with program financing and development expected to begin in fall 2017.
- The **Chester Water Authority (CWA)** has matched the EPA technical and planning assistance funds with a \$50,000 grant.

CBP3 model evolves the standard P3 contractual mechanism into a true partnership that focuses on improving water quality and a community's quality of life.

- Provides flexibility for local government to utilize best practices to create tailored programs;
- Leverages the strengths of both the public and private sectors to create efficiencies and cost-savings;
- Implements advances in technology;
- Is performance-based;
- Addresses dynamic community development trends and goals; and
- Instills long-term financial and regulatory commitments for integrating Green Stormwater Infrastructure into stormwater management programs.



Corvias



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HIGHLIGHTS OF CBP3

- The vision for the Chester CBP3 program is to implement and maintain impactful stormwater retrofits within 350 acres in the City of Chester over the next 20-30 years using methods to reduce costs by 30-50% as compared to traditional approaches, while engaging broad local community participation, including training and creation of hundreds of local jobs, through support of local contractors and growth of small, minority-owned businesses.
- Chester's new program is based upon the EPA's CBP3 program approach, which focuses on utilizing the needed environmental improvements as a catalyst for local economic growth and community involvement. Treating stormwater like the infrastructure it is throughout our cities creates an excellent opportunity for local economic development that improves property values, provides contracts to local employers, and creates workforce opportunities.
- The CBP3's combined Request for Qualifications (RFQ)/Request for Proposals (RFP) issued by the CSWA was a uniquely innovative Design Build Finance Operate Maintain (DBFOM) application, utilizing a Triple Bottom Line (TBL), Community-Based performance approach to ideally create a long-term 30-year contract, establishing a "Community-Based Public-Private Partnership" (CBP3) - to accomplish procurement goals.
- As a result of this approach, the newly formed CSWA Partnership's services are an integral part of the CSWA's permitted responsibilities and related priorities to solve problems and issues using adaptive, best management approaches, employing innovative designs, technologies, and "best-fit" solutions that are affordable, high-performing and cost-effective for the CSWA and its constituents. It will complement and enhance the jurisdiction's existing programmatic, procurement delivery capacity, to finance and deliver faster, cheaper, greener results, offering a potential model for numerous other communities interested in driving sustainable growth and economic development through investments in large scale green and grey stormwater infrastructure and integrated development.
- Chester City Stormwater Authority, through its new Community-Based Performance Partnership with its private partner, Corvias, received a \$1 million grant from PENNVEST to design various forms of green infrastructure that will be installed throughout the city to improve both the quality and resilience of grey infrastructure – such as streets, office space and housing, by integrating storm water runoff controls that reduce the volume of flows and pollutants to Ridley Creek, Chester Creek and the Delaware River.

FUTURE LIVING LAB

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.



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