

Appendix E

Funding Resources

E-1. Funding Resources

Last updated: August 2018

E-1.1 Background and Progress Update

At ALCOSAN, we know that our region's waterways are our most significant natural resource, linking all of us in a chain of civic pride, livability and future economic prosperity. Our Clean Water Plan is a multi-billion dollar infrastructure improvement strategy that will make sure our rivers and streams are clean, safe and healthy for generations to come. Our program will combine improvements to our treatment plant and construction of overflow storage facilities with exciting opportunities to reduce stormwater at its source and return natural drainage to our urbanized watersheds. Along with this investment comes great opportunity to achieve more.

To support our customer municipalities, ALCOSAN's Green Revitalization of Our Waterways (GROW) program provides financial and technical assistance to customer municipalities and sewer authorities for stormwater projects that prevent water from entering the regional collection system. The GROW grant program has invested more than \$28 million in funds throughout the region over the first four funding cycles and is envisioned to provide upwards of \$75 million at full build out. To date the program has already leveraged an additional \$34 million from matching municipal and other grant funds.

Since prior interactions with foundations, ALCOSAN has completed the following key initiatives that provide an administrative, technical and financial foundation suitable for expanding the reach of the GROW Program:

- A business case equating financial investment with environmental performance (i.e., Overflow Reduction)
- Mapping to show where communities can likely gain more funding – i.e., which parts of the service area can produce the biggest overflow reductions and areas that have less physical and environmental barriers to constructing GSI
- GSI-focused guidance documents to help with project siting, cost estimating, construction, operation & maintenance and performance monitoring
- Design On-call contracts for municipalities to access experienced professionals

E-1.2 Funding Resources

Depending on available funding and municipal/stakeholder interest, there are a number of other factors that can be layered onto the GSI/source control project identification process to help identify and prioritize potential projects, such as the following:

- Municipalities with Related Grant Funding
 - Potential grant funding sources for stormwater/GSI projects include the following. Refer to Table E-1.1 for more listings.
 - Commonwealth Financing Authority (CFA)
 - U.S. Department of Agriculture (USDA)
 - PA Department of Environmental Protection Growing Greener
 - PA Department of Community and Economic Development (DCED)
 - PA Department of Conservation and Natural Resources (DCNR)
 - PA Infrastructure Investment Authority (PENNVEST)

Table E-1.1. Summary of Grant Funding Sources Potentially Applicable to GSI- SC Implementation

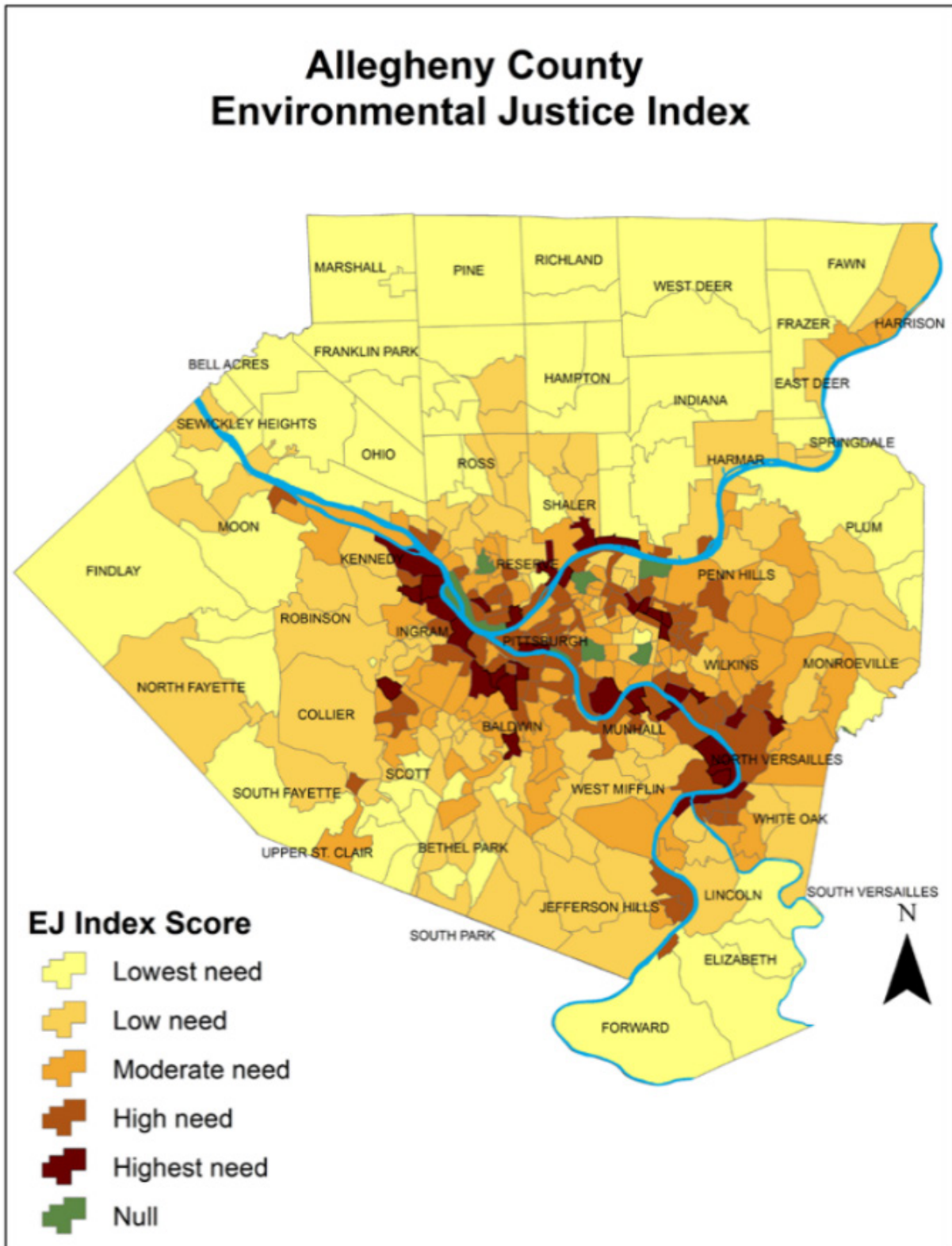
Type	Funding Source	Grant/Program Name	Primary Eligible Use Applicable to ALCOSAN/GSI-SC	Max Award Amount	Application Due Dates (if applicable)	Notes
Local	Allegheny County	Community Tourism and Infrastructure Fund (CITF)	Predevelopment, Engineering and Construction	\$250,000	Early Q1	Procurement and other compliance requirements.
Local	U.S. Dept Housing & Urban Development (Local Entitlement)	Community Development Block Grant (CDBG)	Construction only (storm water projects)	65% of construction costs	Q3/4 funded the following Program Year	Need to verify if GI qualifies as a storm sewer or public improvement project. Pittsburgh, McKeesport and Penn Hills are CDBG entitlement communities.
State	PA DCNR	Community Conservation Partnership Program (C2P2)	Predevelopment, Engineering and Construction	50% non-state match required	Q2	Priority for projects that implement PA Comprehensive Outdoor Recreation Plan. GI is an additional identified program priority.
State	PA CFA	Greenways, Trails and Recreation Program (GTRP)	Predevelopment, Engineering and Construction	\$250,000 (15% match required)	Q2	Other CFA funding available for flood control projects.
State	PENNVEST	State Revolving Fund Loans and Grants	Construction	Loan/Grants	Rolling	Can now be used for Stormwater P3s for Private GSI
Federal	USDA	Rural Utilities Service (RUS) Water and Environmental Programs	Predevelopment, Engineering and Construction	45-75% of project cost (depending on MHI of service area)	Rolling	Eligible for municipalities of < 10,000 persons only.
Federal	EPA	Urban Waters Small Grant	Predevelopment	\$60,000	n/a	Last funded in 2016.
State	PA Dept of Conservation & Nat. Resources	Community Conservation Partnerships Program	Development of Community based grants for GSI Projects in parks		n/a	Website includes links to several different grants
State	PA Dept of Community & Economic Dev.	H2O PA - Water Supply, Sanitary Sewer and Storm Water Projects	Water sewer infrastructure projects		n/a	
State	PA Dept of Environmental Protection	Growing Greener/Growing Greener Plus	GSI, Stream restoration, DSIR Projects		n/a	
State	PennVEST	SRF Loan Program	Construction funding for any water/sewer/stormwater projects		n/a	

Type	Funding Source	Grant/Program Name	Primary Eligible Use Applicable to ALCOSAN/GSI-SC	Max Award Amount	Application Due Dates (if applicable)	Notes
State	PA Dept of Environmental Protection	Safe Water Grant				
State	PA Office of the Budget	Redevelopment & Capital Improvement Assistance Program			n/a	
State	PA Dept of Environmental Protection	Urban Stormwater BMP Project Program	GSI Projects		Q1	
State	PennDOT	Automated Red Light Enforcement Transportation Grant	Transportation projects. GSI can be included and funded		Q2	
Local	Allegheny County Conservation District	Pennsylvania Low Volume Roads Grant	Green Streets/Alleys		Dec	
Federal	Housing and Urban Development (HUD)	Community Development Block Grant	Community based projects that can include GSI		n/a	
Federal	U.S. Army Corps of Engineers	Section 22 - Planning Assistance to States				
State	PA Fish and Boat Commission	CFA's Watershed Restoration and Protection Program			n/a	
Local	Funders' Network for Smart Growth and Livable Communities	Partners for Places			Q3	Potential for Pittsburgh
Federal	U.S. Dept. of Transportation	Transportation Investment Generating Economic Recovery (TIGER)	Green Streets, Incremental Cost savings for Sewer Replacement	Large grants, averaged approximately \$12M in 2017		Primary selection criteria include environmental sustainability

- Political districts
 - Depending on policy and funding initiatives, certain local political districts may have a greater likelihood of GSI project implementation and therefore can be prioritized
 - Political district information is available in GIS as an overlay for ArcMap
- Allegheny County Environmental Justice Index
 - This is an index (GIS spatial data available as an overlay for ArcMap, Figure E-2.1) prepared by the Allegheny County Health Department in 2017 which was created to identify high priority communities in order to target interventions. Higher need areas may warrant prioritization for GSI project

- Allegheny County Environmental Justice Index
 - This is an index (GIS spatial data available as an overlay for ArcMap, Figure E-2.1) prepared by the Allegheny County Health Department in 2017 which was created to identify high priority communities in order to target interventions. Higher need areas may warrant prioritization for GSI project implementation since some of the highest potential GSI project opportunity areas lie in some of the County’s most disadvantaged communities.
 - The Environmental Justice Index Indicators used by the County included the following:
 - Percent of houses vacant
 - Percent of the population below the federal poverty level
 - Percent of the population identified as a racial minority
 - Green space accessibility
 - High school attainment
 - Impaired streams
 - Traffic Density
 - Diesel particulate matter concentration
 - Particulate matter 2.5 concentration
 - Rail Road Tracks

Figure E-2.1. Allegheny County Environmental Justice Index Map (Source: ACHD)



- Philanthropic Interest/Private Funding
 - Conversations with the local foundation community have provided further intel related to the likelihood of which projects and municipalities may be most successful in receiving funding from philanthropic organizations. Refer to Table E-1.2 for more details.

Table E-1.2. Summary of Philanthropic Funding Sources Potentially Applicable to GSI- SC Implementation

Type	Name	Primary Focus Areas Applicable to ALCOSAN/GSI-SC	Application Cycles	Notes
National	Surdna Foundation	Urban Waters Management	Annual	The Surdna Foundation seeks to foster sustainable communities in the United States - communities guided by principles of social justice and distinguished by healthy environments, strong local economies and thriving cultures.
National	Calvert Impact Capital	Environmental Sustainability	Application cycles vary	Investments typically balance sheet loans or structured debt funds. DC Water EIB
National	Kresge Foundation	Environment Program Transforming Key Urban Systems	"Rolling (by invitation from a Kresge program officer)	Has funded GBA locally on several occasions. Also offers social investments.
National	Rockefeller Foundation	Resilient Cities	N/A	Not currently offering grant funding during ongoing organizational assessment.
National	The Pittsburgh Foundation	Community quality-of-life preferring collaborative opportunities to improve vitality and well-being in neighborhoods	Discretionary, Quarterly	Grants for 2018 are not posted
National	National Fish and Wildlife Foundation	Five Star and Urban Waters Restoration Grant Program, Resilient Communities Program	Application cycles vary	
National	National Recreation and Park Association	Great Urban Parks Campaign, with a recent focus on GSI in parks	Applications cycles vary	Current grants focus on empowering community to influence GSI projects in parks
Local	Heinz Endowments	Sustainability	Spring (Mar.) and Fall (Aug.)	Grant application deadlines are Mar. 1 and Aug. 1
Local	Eden Hall	Quality of Life	Accepts grant applications based on Eden Hall's scope of work	Eden Hall Foundation will entertain grant proposals for capital projects, scholarship funds, research projects, programming and, in limited cases, endowments directed toward these objectives

Table E-1.2. Summary of Philanthropic Funding Sources Potentially Applicable to GSI- SC Implementation

Type	Name	Primary Focus Areas Applicable to ALCOSAN/GSI-SC	Application Cycles	Notes
Local	Mellon Foundation	Regional economic development and conservation	Applications cycles vary	The Andrew W. Mellon Foundation supports a wide range of initiatives to strengthen the humanities, arts, higher education and cultural heritage.
Local	Colcom Foundation	Environmental sustainability, natural resource preservation, land and water conservation, and efforts to establish a sustainable population		