



GTECH GSI

ENGAGING COMMUNITIES WITH
GREEN STORMWATER INFRASTRUCTURE

February 2018

Project Overview

The GTECH Green Stormwater Infrastructure (GSI) Project uses green solutions to address both pressing stormwater issues and community green space needs. We demonstrate how GSI features can be used to create vibrant community spaces while reducing stormwater runoff. Learn more about our process here: <https://gtechcloud.egnyte.com/dl/O16pa3kpia>



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In a combined sewer system, waste water flushed from our homes and businesses mixes with rainwater flowing into our storm drains. The mixture travels in the same pipe headed to the sewage treatment plant. When it rains, these pipes can fill to capacity, causing a mix of stormwater and sewage to overflow into our rivers and streams. If less stormwater enters the system, overflows diminish, and fewer pollutants are able to enter our waterways.

GSI Solutions: Rain Barrels

A rain barrel is a small-scale, simple, low-cost system for collecting and storing stormwater from your roof. Rain barrels benefit home-owners by helping to direct stormwater away from the foundation of the house and reducing water and sewer bills. They benefit the community by capturing water that would otherwise be lost to runoff, or contribute to sewage overflows and the pollution of our rivers and streams. During dry weather, a hose connected to the barrel allows the high quality rainwater, devoid of common surface contaminants, to seep out to water your garden and replenish the groundwater table. *Source: 3RiversWetWeather.org*

What Can I Do?

Want to help build a GSI site? Sign up to volunteer by completing the form on our website: <https://gtechstrategies.org/contact-us/> or by calling Project Coordinator, Tom Mulholland, at 412.361.2099 ext.#7.

Keep up to date with GTECH GSI by visiting <https://gtechstrategies.org/projects/gsi-a-42/>

Project Totals*



Drainage Area Managed
86,030 sq. ft.



Gallons of Water Captured Annually
172,368



Project Hard Costs
\$301,118



Project Cost per Gallon Captured
\$0.07



Volunteer Time
312 hours



Data Collected
705 surveys

* Project totals collected from both the 0-27 and A-42 sewersheds. Calculations include rain barrel estimates based on project area, average roof size of community, and the average rainfall estimates.

Thanks to our partners



Richard King Mellon Foundation



Project Spotlight: East Liberty Data

The initial phase of the GTECH GSI process in each sewershed is to investigate. To lead our investigation, we identified 5 Neighborhood Liaisons, each from and representing a different project neighborhood, including, Homewood, East Hills, Larimer, East Liberty, and Lincoln-Lemington Belmar.

Our Liaisons are passionate and educated residents who share stormwater management best practices, and collect stormwater surveys. The Liaisons are GTECH's connection to the community and pipeline for information and input. The A-42 Liaisons have collected nearly 400 surveys so far, providing us invaluable insight into stormwater issues and community needs in the East End.

This month we are highlighting the data collected from the 92 East Liberty residents who have participated in our survey process so far.



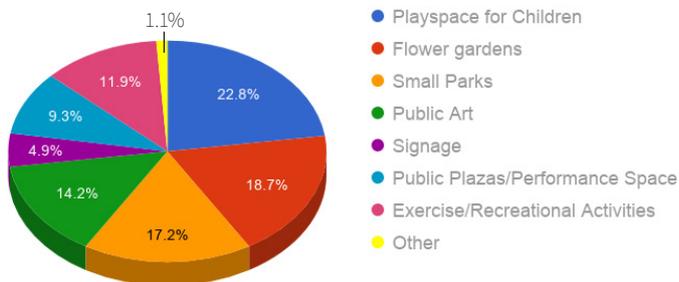
Phase 2 of Liaison Outreach

The GTECH GSI Liaisons have completed the investigative phase of their community outreach mission. After collecting nearly 400 surveys from residents in their neighborhoods, the Liaisons have helped us to develop a more comprehensive picture of the issues residents are experiencing.

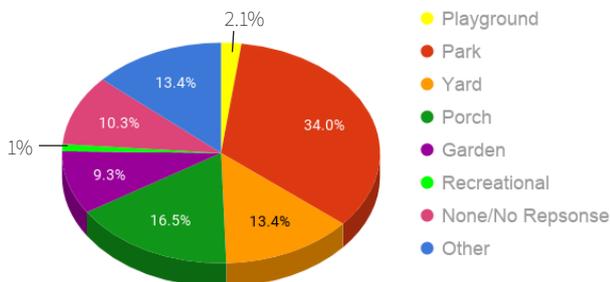
Now the 5 community liaisons are working to use the information that they have collected to connect residents to the resources they need to help address personal stormwater issues.

Liaisons are performing *call-backs* to confirm survey responses and spread the word about upcoming stormwater resource roundtables. These gatherings, planned for this Spring, will serve as opportunities for residents to meet service providers and experts to help them address the stormwater-related issues that they are experiencing at home and in their neighborhoods.

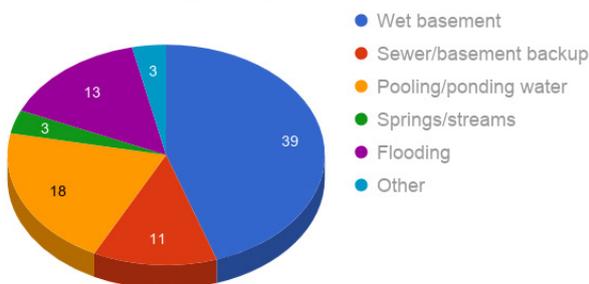
East Liberty Surveys: Needed Outdoor Spaces



East Liberty Surveys: Favorite Outdoor Spaces



East Liberty Surveys: Stormwater Problems



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