



# GREEN STREETS, GREEN JOBS, GREEN TOWNS GRANT PROGRAM INFORMATION SESSION (FY24)

December 19, 2023

Learn more at [cbtrust.org/g3](https://cbtrust.org/g3)

We will begin momentarily. This webinar will be recorded and posted on our website/shared with those who were unable to attend.

# Agenda

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- Introductions
- Grant Program Overview, Project Tracks, & Project Highlights
- Application Process & Resources
- Q&A



# Introductions



The Chesapeake Bay Trust is a nonprofit organization that empowers community-based groups with resources to improve natural resources in their communities.



We partner with the US EPA Region III, Chesapeake Bay Program, and WV Department of Environmental Protection to administer this grant program.



# Green Streets, Green Jobs, Green Towns Grant Program

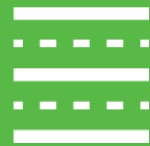


Learn more at [cbtrust.org/g3](https://cbtrust.org/g3)

Goal: to help communities develop and implement plans that reduce stormwater runoff, increase the amount of urban green spaces, improve the health of our environment, and enhance quality of life and community livability.



281  
Projects



19  
miles of green  
streets designed  
and built



11,400  
native trees planted



240,000  
square feet of  
bioretention  
installed



235  
acres of impervious  
surface treated



\$16 Million  
Awarded



90,000  
native plants installed



15,800  
volunteers engaged

# What is a green street?

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- A technique that can include several green infrastructure practices (e.g., street trees, rain gardens, permeable pavement, bioretention cells, bioswales) in one location that is centered around and connected to a street site.
- It is expected that these practices are more efficient (in design, construction, and performance) and potentially have a smaller footprint than conventional practices to reduce and treat stormwater.
- Often includes other elements such as energy-efficient lighting, increased walkability or bikeability, slowed traffic around stormwater practices for quality-of-life purposes, reduction of the urban heat effect, and similar co-benefits that all increase a community's livability.



# What are the benefits to having a green street?



- Minimizes the impact on the surrounding area through a natural system approach that incorporates a variety of water quality, energy-efficiency, and other environmental best practices
- Reduces the amount of water that is piped and discharged directly to streams and rivers, protecting them from erosion
- Makes the best use of the street tree canopy for stormwater interception, temperature mitigation, and air quality improvement
- Incorporates climate resiliency and flood hazard mitigation planning
- Encourages pedestrian and/or cyclist access
- Provides an aesthetic advantage to a community and economic advantage to business districts that are greened
- Can have human health benefits



# Green Streets, Green Jobs, Green Towns Grant Program for FY24

## Eligible Project Locations:

Within the Chesapeake Bay watershed portion of Delaware, Maryland, Pennsylvania, Virginia, Washington D.C., and West Virginia.

## Eligible Applicants:

- local governments
- nonprofit organizations
- neighborhood/  
community associations

## Funding Availability:

~\$1.8 Million Total

## Application Deadline:

March 7, 2024, at 4pm ET

**\*This program cannot fund projects that are required for new or re-development, regulatory mitigation, or regulatory offset.\***

# Project Tracks

## Track 1

Conceptual Plans for Green Streets/Green Infrastructure Projects (up to \$20,000)

## Track 2

Engineered Designs for Green Streets/Green Infrastructure Projects (up to \$35,000)

## Track 3

Implementation/Construction of Green Streets/Green Infrastructure Projects (up to \$175,000)



## Track 4

Community Greening (up to \$50,000)

## Track 5

White Papers (up to \$20,000)

## Track 6

Green Streets Charrettes/Technical Planning Assistance (no direct funding)



# Track 1

## Conceptual Plans for Green Streets/Green Infrastructure Projects

Request amounts up to \$20,000



- First step in the planning process, opportunity for community stakeholders to work together to develop, plan, and brainstorm practices they'd like to see implemented, as well as develop an overarching vision.
- Should be connected to a larger greening vision.
- Large-scale, high performing green streets/green infrastructure projects must treat over one inch of runoff.
- Should be developed with an intent to implement.

# Project Highlight

## Robin Waterfront Park Concept Plan Town of Millington, MD

Award Amount: \$9,995

### Description:

Development of a concept plan for greening and community gathering spaces at the Robin Waterfront Park. The plan includes recommendations that will improve public access and opportunities for community members.



CONCEPT PLAN  
ROBIN WATERFRONT PARK  
QUEEN ANNE'S COUNTY, MARYLAND

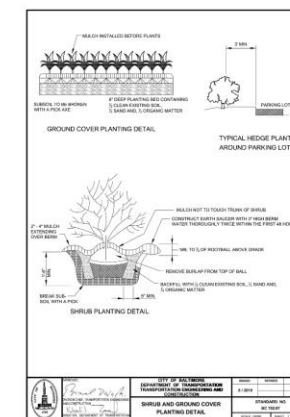
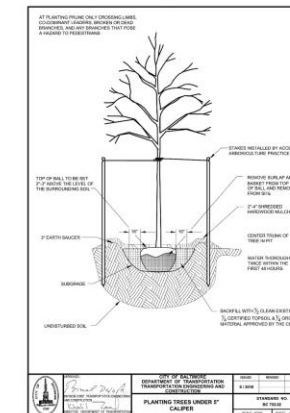
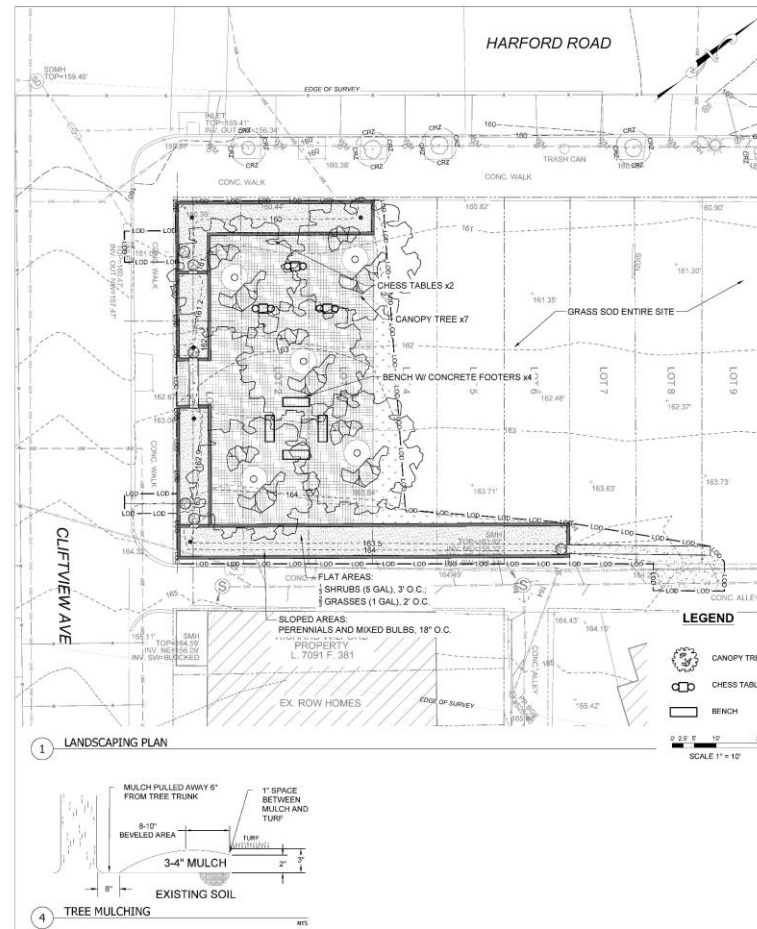


# Track 2

## Engineered Designs for Green Streets/Green Infrastructure Projects

Request amounts up to \$35,000

- Takes idea developed in the concept plan phase and creates in depth (permitted) designs that will be used for implementation
- Should be connected to a larger greening vision
- Large-scale, high performing green streets/green infrastructure projects must treat over one inch of runoff
- Should be developed with an intent to implement
- Must be permittable by the appropriate state environmental agency and all other appropriate local, state, and federal entities
- Final designs should be at least 90% complete



ENGINEER:  
CITYSCAPE ENGINEERING, LLC  
418 HICKLAND AVE.  
BALTIMORE, MD 21211  
PHONE: 410-681-0396

DEVELOPER/APPLICANT:  
PARKS & PEOPLE  
FOUNDATION  
2100 LIBERTY HEIGHTS AVE  
94A TOWNE, MD 21207  
PHONE: (410) 448-5863

PROPERTY OWNER:  
BALTIMORE CITY MAYOR &  
CITY COUNCIL  
100 N. CALLETON ST  
SUITE 400  
BALTIMORE, MD 21202  
PHONE: (410) 396-4804

NO.	REVISION	BY	DATE
1	Final	NL	Jul 16
2	50% Design	NL	Aug 16
3			
4			
5			
6			
7			
8			

DESIGNED: NL  
CHECKED: NL

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. Exp. Date

PROJECT INFORMATION:  
DARLEY PARK  
RESTORATION PROJECT  
2301 HARBORD AVE.  
BALTIMORE, MD 21218  
WARD 8, SECTION 2  
BLOCK 4105, LOTS 1-14

ESD NO: BDF  
PLAN NO: BDF  
DATE: JULY 2016  
PROJECT NO: 18-06

SHEET TITLE:  
LANDSCAPING  
PLAN  
12 LS-01  
SHEET NO: 09 OF 09

# Project Highlight

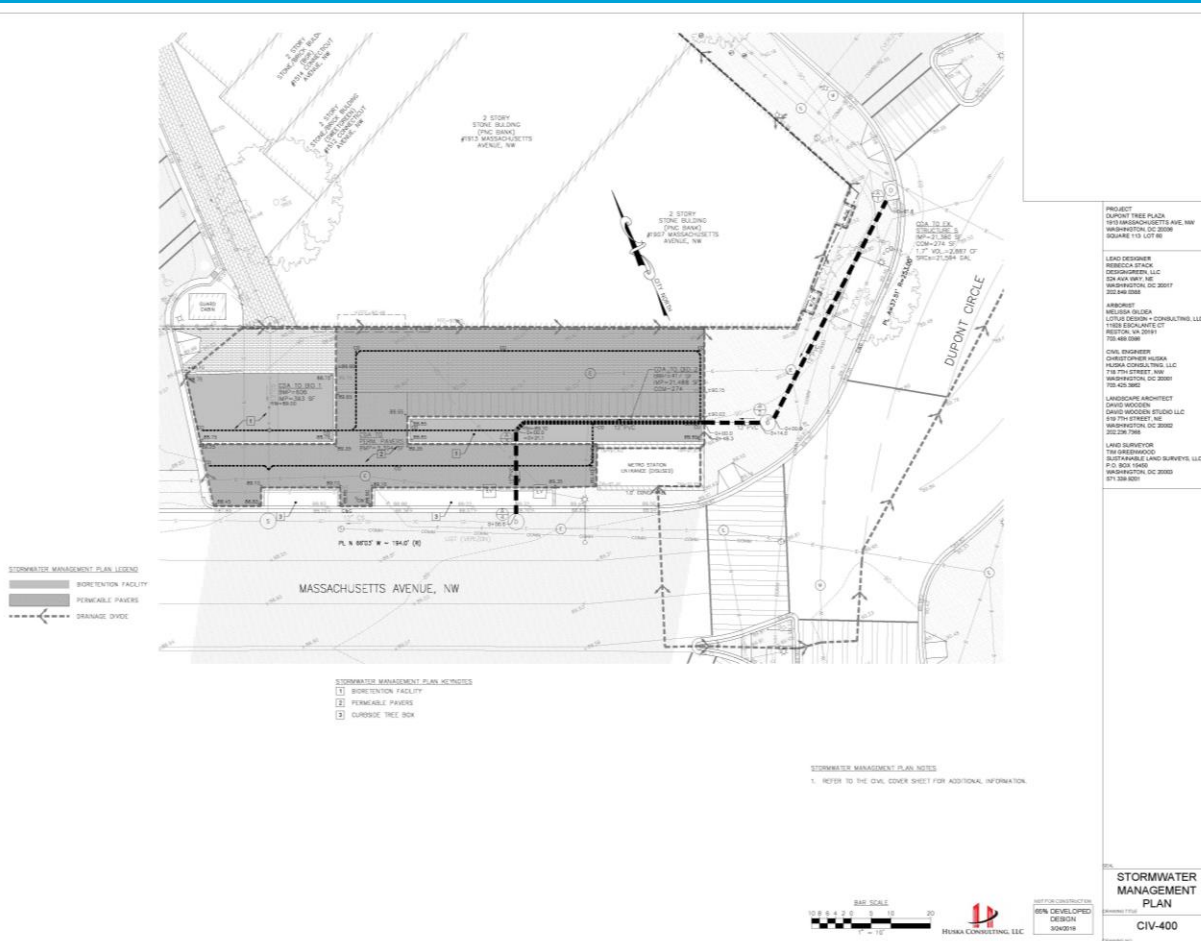
## Tree Plaza Stormwater Connections for Dupont Circle in the District of Columbia Engineered Design Restore Mass Ave

Award Amount: \$30,000

### Description:

Engineered designs for bioretention cells, permeable pavement, and street trees.

Transforms a portion of a traditional street into a green street that captures and treats stormwater runoff and provides increased shade and cooling at a busy pedestrian intersection.



# Track 3

Implementation/Construction of Green Streets/Green Infrastructure Projects

Request amounts up to \$175,000



- Bioretention cells
- Rain gardens
- Permeable pavement
- Green roofs
- Other green infrastructure practices
- Stream restoration design and implementation in West Virginia (See Appendix B of the RFP for detailed information)

# Track 3 Guidance

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- The most competitive proposals will result in a complete green street that leverages funding from other sources for the gray infrastructure components
- Should have completed engineered designs
- Applications should include:
  - calculation of total drainage area treated
  - calculation of impervious acre treated
  - estimated cost per acre treated
  - estimated nutrient and sediment load reduction calculations for nitrogen, phosphorus, and sediments (the Green SIMPLE tool can help with this)

**Funders consider a very cost-effective project as one that costs less than \$100k per impervious acre treated (at a one-inch runoff level), not including costs of gray infrastructure elements.**

# Project Highlight

## Glenmont Forest Green Streets Montgomery County, MD Department of Environmental Protection

Award Amount: \$200,748

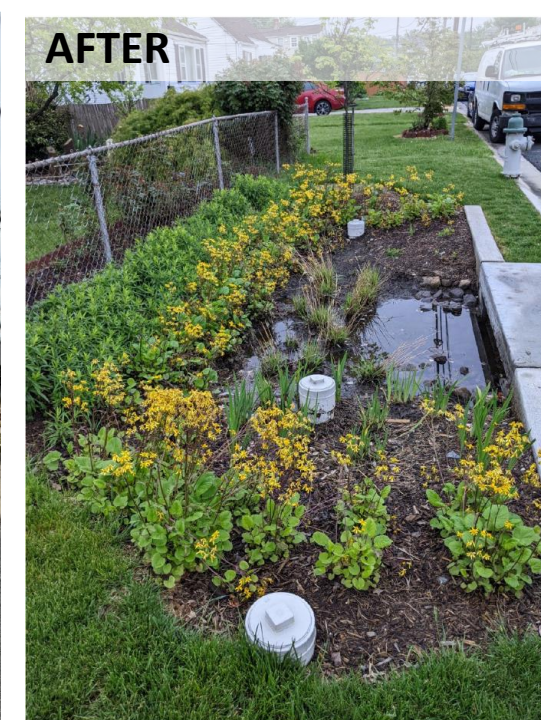
Match Amount: \$1.2 million

Total Project Cost: \$1.4 million

Description: Installation of over 50 stormwater facilities including tree boxes, bioretention areas, and rain gardens

Learn more:

<https://www.montgomerycountymd.gov/water/restoration/glenmont-forest.html>





# Project Highlight

## A Bath for the Bay Phase 1 and 2 Town of Bath (Berkeley Springs), WV



### Phase 1:

- Award Amount: \$20,000
- Match Amount: \$75,000
- Total Project Cost: \$95,000

### Phase 2:

- Award Amount: \$42,000
- Match Amount: \$55,300
- Total Project Cost: \$97,000

Description: Transform Washington Street into a green street. This included removing pavement and replacing it with permeable pavers and silva cell systems containing native plants and trees.

# Track 4

## Community Greening

Request amounts up to \$50,000

- Native plant/pollinator gardens
- Conservation landscaping
- Meadows
- Reclaiming vacant lots to install site appropriate practices
- Community gardens and urban farms
- Tree plantings
  - For projects in Maryland whose main element is tree planting, we encourage applicants to apply to the Urban Trees Grant Program  
<https://cbtrust.org/urban-trees/>



# Project Highlight

## Making Trash Bloom in Fairfax County, VA Sustainability Matters



<https://www.youtube.com/watch?v=Ink4Wxn5Ti8>

**Award Amount:**  
**\$42,627**

**Description:**

**Installation of pollinator meadows at the Fairfax County's I-66 Transfer Station. Specifically converting the turf grass on top of closed landfill cells to meadows.**

# Track 5

White Papers / Tools

Request amounts up to \$20,000

- **White papers that summarize the analysis of one or more aspects of green infrastructure**
- **Tools that promote green infrastructure efforts**

- Innovative strategies and techniques for improving long-term project maintenance
- How to incentivize maintenance operations and reduce maintenance costs
- How green streets and green infrastructure help drive local economic development by creating green jobs
- Increase our understanding of the potential impacts of climate change and how green infrastructure can help make communities more resilient
- How to increase incorporation of green infrastructure in municipality public works and planning operations

# Project Highlight

## Engaging Homeowners Associations (HOAs) in Green Infrastructure and Stormwater Management in York and Lancaster Counties, PA

### Watershed Alliance of York

#### How to Conduct a Successful HOA Workshop

##### 1. Develop a Contacts List

- Homeowners Associations
  - Use an internet search to find a local realtors association that may have a list of HOAs with contact information. For example, the [Realtors Association of York and Adams Counties](#) was used as a starting point for this project.
- Property Management Companies
  - Many HOAs are managed by Property Management companies. Perform an internet search to find property managers in your area and include these in your outreach list.
- Municipalities/Counties
  - For target areas in Pennsylvania, contact municipalities for HOA contact information or to help market the workshop. Many municipalities have MS4 Coordinators who conduct inspections of HOA stormwater BMPs, so they will have current contact information for many HOAs.
  - For target areas without municipalities for local government, contact county offices to find out if they have records and contact information for HOAs.

##### 2. Conduct Marketing and Outreach

- Create project flyers and Save the Dates
  - Municipalities that you contacted for HOA information may be interested in helping to advertise the workshop, so create a PDF flyer for them to distribute/post on their websites. Click [HERE](#) to view an example created in Canva.
- Distribute Save the Dates and Registration Announcements
  - Send Save the Dates at least two months before the workshop. Click [HERE](#) to view an example.
  - Send Registration Announcements at least one month before the workshop. Click [HERE](#) to view an example.
  - Send an additional Registration Announcement two weeks before the workshop. Click [HERE](#) to view an example.
- Additional outreach could include mailing flyers to known addresses of HOAs and property management companies.

Award Amount:  
**\$20,700**

#### Description:

Conduct a workshop for HOAs in York and Lancaster Counties to learn about stormwater management and develop a plan for their community and develop a toolkit that other HOAs and communities can use.

<https://support.cwqe.org/section/100-stormwater-management-workshop-toolkit-for-hoas>

# Project Highlight

## Take Burnout from Red to Green Nature Sacred

Award Amount:  
\$20,000

### Description:

A white paper examining cost-savings that health facilities can have by investing in green spaces which includes a calculator to estimate these savings.

Download the paper:

[https://cbtrust.org/wp-content/uploads/NatureSacred-TakeBurnoutFromRedToGreen\\_May2022.pdf](https://cbtrust.org/wp-content/uploads/NatureSacred-TakeBurnoutFromRedToGreen_May2022.pdf)



# Track 6

## Green Street Charrette / Technical Assistance Planning

No direct funding



- A charrette is a planning or visioning session where community members, planners, developers, and other key stakeholders collaborate on the development of a green plan, vision, or design for a project
- Awardees in this track will not receive direct funding, and instead will work with funding partners who will provide contractual support.

# Project Highlight

## Technical Assistance for the George Washington Regional Commission (VA) to Identify Priority Areas for Green Infrastructure

### What is the need for this?

The George Washington Regional Commission in Fredericksburg, VA hopes to increase green infrastructure to counteract the urban heat island effects.

The Urban Heat Island Study conducted by GWRC and Friends of the Rappahannock found up to a 17-degree heat difference between heat islands and surrounding forest land.

### What is the purpose of the charrette?

The purpose is to conduct a regional charrette for regional, governmental, and private partners to identify areas where green infrastructure is needed.

The jurisdictions of Stafford, Spotsylvania, Caroline, and King George Counties, as well as the City of Fredericksburg plan to participate in this charrette.

### What is the end goal?

The charrette will build upon prior studies of green infrastructure in the region and allow localities to draft concept and engineered designs.

The goal is to develop concept plans to prepare the localities to apply for future rounds of funding for implementation of green infrastructure.



# Project Highlight

## Technical Assistance for the Warm Springs Run Watershed Association to Develop a Comprehensive Reforestation Plan

### What is the need for this?

The Towns of Bath and Berkeley Springs are currently experiencing the effects of the Berkeley Springs Bypass construction.

The construction of the expressway has resulted in disturbance with clear-cuts and stripped landscape.

### What is the purpose of the charrette?

The Warm Springs Run Watershed Association seeks to restore the tree canopy in Berkeley Springs to counteract the effects of this construction.

This charrette will include an outline for the following: steps to complete a long-range project, detailed budget and strategy for securing funding, community outreach plan, and an approach for long-term maintenance.

### What is the end goal?

The goal is to work with West Virginia Department of Highways to shift the current policy of transportation corridors.

The WSWA hopes to see a change in WVDOH policy so that future transportation corridor projects include tree and shrub planting in the design and cost of construction.

# Project Highlight

## Technical Assistance for the Jonestown Borough, PA to Develop a Concept Plan for Green Infrastructure

### What is the need for this?

The Jonestown Borough obtained an open, vacant lot along Market Street in Jonestown, and it is within a half mile of the Lebanon Valley River Trail and the Swatara Creek.

Creating a green design concept plan for this park will benefit both the community and the surrounding environment.

### What is the purpose of the charrette?

The Borough hopes to include a pocket-park, parking lot, native plants, and tree plantings within the space.

The charrette will be an opportunity to bring the community and stakeholders together to create green vision for this future park.

### What is the end goal?

The Jonestown Borough would like to create an outdoor space for the community to gather.

This concept plan for a pocket-park along Market Street will be a component of a larger vision for the Town.

# What's the difference between Track 1 and Track 6 and which should you apply for?

**Does your organization have the capacity to conduct all aspects of the project on your own?**

**OR**

**Does your organization need assistance to conduct all aspects of the project?**

Aspects of the project include:

- releasing an RFP
- selecting a contractor
- managing the contractor
- grant reporting/budgeting and management

# Learn More about Previously Awarded Projects

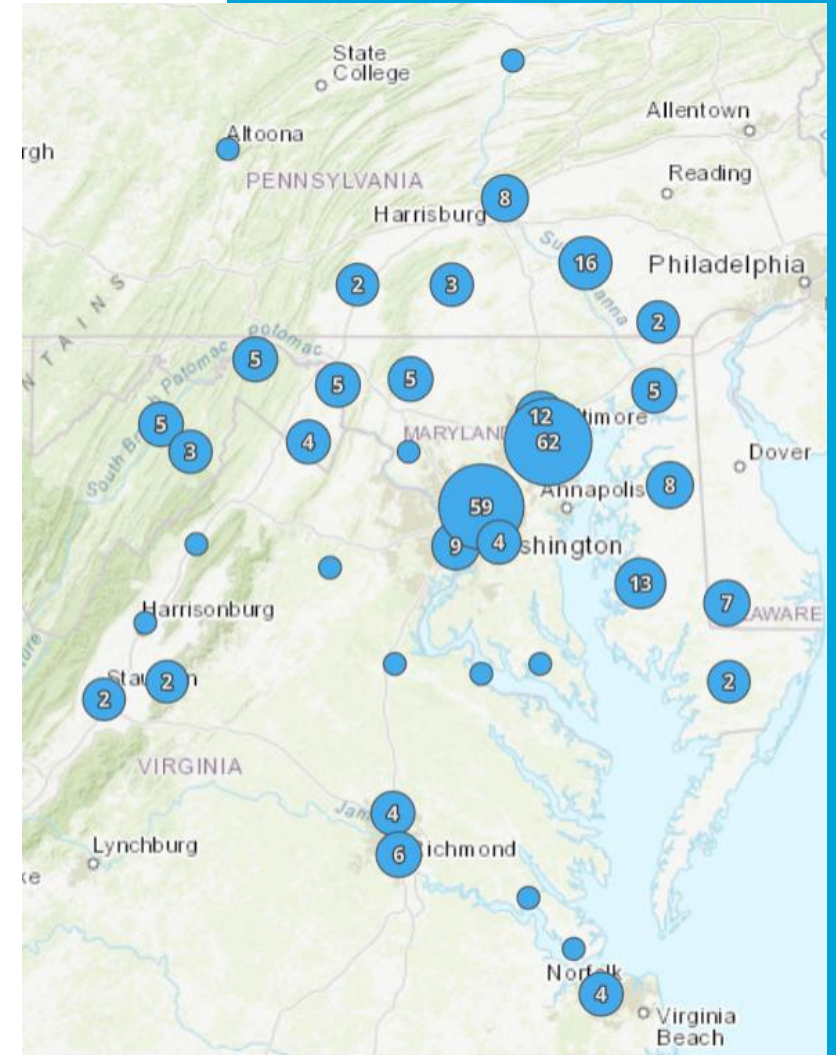
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Chesapeake Bay Trust Awarded Projects Map

<https://cbtrust.org/impact-of-our-work/>

Green Streets Grant Program Webpage

<https://cbtrust.org/g3>



# Application Process & Resources

# Application Process

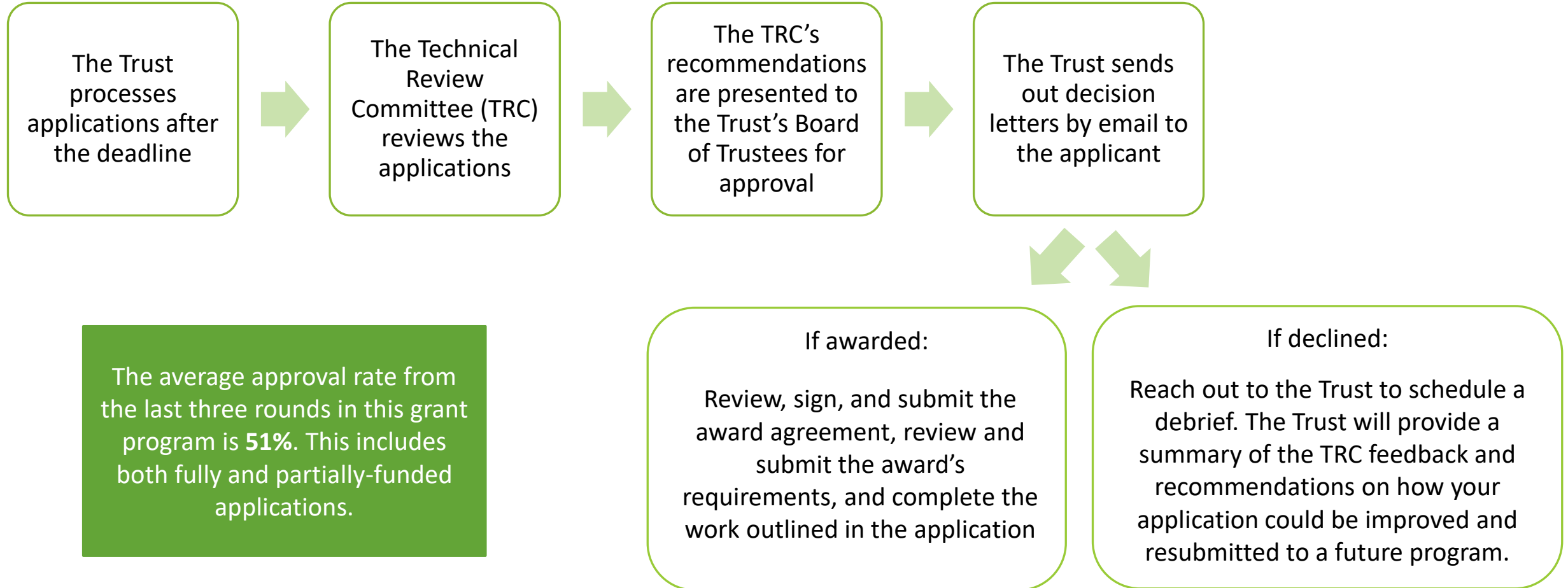
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1. Read the Request for Proposals (RFP)
2. Schedule a meeting or site visit with us
3. Identify project partners
4. Compile application pieces
5. Send a draft of your application to us for feedback
6. Submit the online application

## **SUBMIT EARLY!**

**We strongly encourage applicants to submit a few days prior to the deadline given the potential for high website traffic on the due date. The Trust cannot guarantee availability of online system technical assistance on the due date.**

# After Submitting Your Application...



# Application Pieces

## Narrative

Download and answer the required narrative questions

[https://cbtrust.org/wp-content/uploads/FY24-Green-Streets-Grant-Program-Narrative-Questions\\_112823.docx](https://cbtrust.org/wp-content/uploads/FY24-Green-Streets-Grant-Program-Narrative-Questions_112823.docx)

## Supporting Documentation

Gather supporting documentation

- Letters of Commitment
- Site photos
- Site map
- Concept plan/design
- Planting plan/plant list
- Maintenance plan

## Budget

Obtain cost estimates

Download the Financial Management Spreadsheet and complete the “Application Budget” worksheet

[https://cbtrust.org/wp-content/uploads/Financial-Management-Spreadsheet\\_011921.xlsx](https://cbtrust.org/wp-content/uploads/Financial-Management-Spreadsheet_011921.xlsx)

Provide budget justification



# Green Streets, Green Jobs, Green Towns (G3)



The Chesapeake Bay Green Streets, Green Jobs, Green Towns (G3) Grant Program is funded by the United States Environmental Protection Agency (EPA) Region III, West Virginia Department of Environmental Protection, and the Chesapeake Bay Trust. This grant program supports design and implementation of green streets, community greening, and urban tree canopy projects that enhance livability in cities and communities, in addition to white papers that address these topics. The goal of this grant program is to help communities develop and implement plans that reduce stormwater runoff, increase the number and amount of green spaces in urban areas, improve the health of local waters and the Chesapeake Bay, and enhance quality of life and community livability. This collaborative effort supports implementation of the Chesapeake Bay Protection and Restoration Executive Order and serves as a key component of EPA's Green Streets, Green Jobs, Green Towns (G3) Partnership. The G3 Partnership provides support for local, grassroots greening efforts to reduce stormwater runoff from towns and communities in urbanized watersheds.

**What this funds:** This program can support projects within the Chesapeake Bay watershed portion of Delaware, Maryland, Pennsylvania, Washington D.C., West Virginia, and Virginia. Use the map below or use this [kmz file](#) of the Chesapeake Bay watershed boundary in Google Earth to determine if your project location is eligible, or contact us for assistance.

Applicants can request funds from the following project tracks. View the RFP for detailed information.

- Track 1: Conceptual Plans for Green Streets/Green Infrastructure Projects (up to \$20,000)
- Track 2: Engineered Designs for Green Streets/Green Infrastructure Projects (up to \$35,000)
- Track 3: Implementation/Construction of Green Streets/Green Infrastructure Projects (up to \$175,000)
- Track 4: Community Greening (up to \$50,000)
- Track 5: White Papers (up to \$20,000)
- Track 6: Green Street Charrette/Technical Planning Assistance (no direct funding)

**Who can apply:** Local governments such as municipalities, non-profit organizations, neighborhood/community associations, and other nonprofit entities.

**Is match required?** Match is encouraged but not required.

**Application Process:** Grant applications are submitted through an online system. Click the "Get Started" button to access the online application.

**Review Process:** All applications go through a Technical Review Committee composed of external subject matter experts. The technical team reviews the proposals based on the evaluation criteria outlined in the RFP.

**G3 Implementation Project Calculator:** Applicants applying for implementation/construction projects will be asked to use the G3 Implementation Project Calculator spreadsheet to show the breakdown of Green Infrastructure costs. Click the button below to download the spreadsheet.

## Program Status: **OPEN**

Deadline: March 7, 2024 at 4PM ET

[Click Here to View the Request for Proposals \(RFP\) \(.pdf\)](#)

[Click Here to View the Required Narrative Questions to Answer \(.docx\)](#)

## Attend Our Information Session

We will hold a virtual information session on Tuesday, December 19, 2023 from 5pm to 6:30pm ET on Zoom. During the session, we will provide an overview of the program, eligible project types, the application process, resources for applicants, and answer questions.

[Click Here to Register](#)

## Start a New Application

Get started with a new grant application

[Get Started](#)

## Manage an Existing Grant

Manage an existing grant or continue an application

[Manage Grants](#)

View the Request for Proposals

View the Required Narrative Questions to Answer

A recording of the session will be posted here (as well as emailed to registrants)

Start an Application

Continue working on a saved application

# Online Portal to Access Application



[Chesapeake Bay Trust](#) | [Contact Us](#) | [Return to My Account](#) | [Logout](#)

[Applicant Information](#) | [Project Information](#) | [Timeline](#) | [Deliverables](#) | [Volunteers](#) | [Partnerships](#) | [Narrative & Supporting Documents](#) | [Budget](#) | [Terms and Conditions](#) | [Demographics & Survey](#) | [Review and Submit My Application](#)

## Please Sign In

### Welcome to the Chesapeake Bay Trust Online System

If you are a new applicant, click on the "New Applicant" link to create an account.  
If you are a returning applicant, log in with your existing credentials.

**Please Note:**

- If you are submitting an application, log in using the email address of the Project Leader for the proposed project. The email address used to submit the application must be that of the Project Leader to ensure proper distribution of future correspondence.
- If you have been awarded and are trying to access reporting requirements, please log in with the credentials that are associated with the award.

E-mail

[New Applicant?](#)

Password

[Forgot Password?](#)

Login

# Watch Our “How to Apply for a Grant” Video

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For a detailed and thorough explanation of the application process, view our “How to Apply for a Grant” video using this link:  
<https://cbtrust.org/grants/>



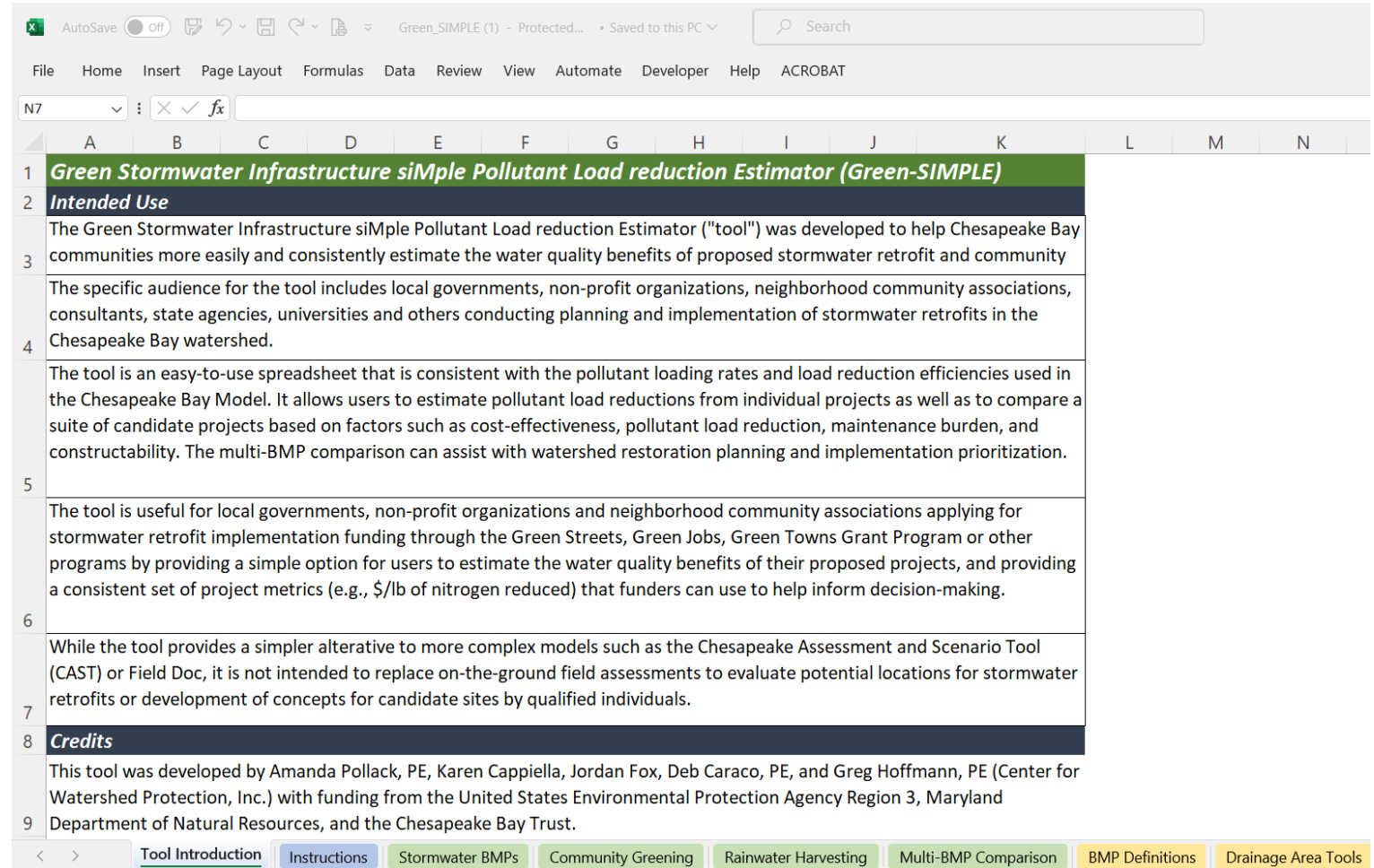
Developed through a previous G3 grant awarded to the Center for Watershed Protection.

Developed to help communities more easily and consistently estimate the water quality benefits of proposed stormwater retrofit and community greening projects.

An Excel spreadsheet that allows users to estimate pollutant load reductions for individual projects as well as to compare a suite of candidate projects based on factors such as cost-effectiveness, pollutant load reduction, maintenance burden, and constructability.

This tool is consistent with the pollutant loading rates and load reduction efficiencies used in the Chesapeake Bay Model.

# Green Stormwater Infrastructure siMple Pollutant Load Reduction Estimator (Green SIMPLE)



Download the tool: [https://cbtrust.org/wp-content/uploads/Green\\_SIMPLE.xlsx](https://cbtrust.org/wp-content/uploads/Green_SIMPLE.xlsx)

# Additional Resources

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<https://cbtrust.org/additional-resources/>

- Native Plant Guide
- Maintenance Guides and Maintenance Plan Template
- “How to” for Obtaining Restoration Project Cost Estimates
- Signage Examples



## Office Hours

Every other Thursday (1/11, 1/25, 2/8, 2/22) at 12:30pm to 1:15pm  
Monday, 3/4 at 12:30pm to 1:15pm

Short link: <https://bit.ly/g3officehours>

Direct link: <https://us02web.zoom.us/j/84002581212>

## Contacts

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410-974-2941 x110

[https://calendly.com/nle\\_cbtrust](https://calendly.com/nle_cbtrust)

Delaney Samons

[dsamons@cbtrust.org](mailto:dsamons@cbtrust.org)

410-974-2941 x131

Thank You!  
Any Questions?

For more information visit [cbtrust.org/g3](https://cbtrust.org/g3)