# Using Stormwater Smart Outreach Materials

A How-to Manual for Local Communities

INCREASE

AWARENESS

of Stormwater Effects

PROMOTE
PRACTICES
to Manage Stormwater

INSPIRE
INVESTMENT
in the Community



## USING STORMWATER SMART OUTREACH MATERIALS

Stormwater Smart is a collection of communications tools you can use to promote the value of sound stormwater management for creating a community where your residents want to live and work. The U.S. Environmental Protection Agency (EPA) has developed these tools for public works managers to use as part of the public education and outreach campaign of their stormwater permit programs. This collection includes brochures, infographics, one-pagers, and social media posts to educate the public, as well as a template for presentations to city officials and community leaders about the benefits of stormwater management.

Developed with coordinated content and artwork, these tools show what stormwater is and how it can pollute local waterways. They explain the value of green infrastructure for the community as well as how everyone can help manage stormwater as a community resource.

Stormwater Smart materials cover a wide range of topics and can be used on several platforms. They likely will help support efforts to meet your permit requirements, whether you are planning a new program as a new municipal permittee or want to enhance an existing program.

This how-to manual is divided into three sections that correspond to the main goals of the Stormwater Smart effort:

- Increase awareness.
- Promote practices to manage stormwater.
- Inspire investment.

Each section explains how the products support its main goal, as well as offers suggestions for how to use the products to convey information that resonates with residents and business owners and prompts them to join in the effort to be "stormwater smart."

A good first step to using this guide and the Stormwater Smart products is to think about the people who live in your community. You know your community best. What would motivate them to care about water quality? How do they use and relate to the water bodies in the area? Are residents concerned about flooding, sewer backups, or property damage caused by severe weather? How can business owners demonstrate leadership by reducing their impacts on

stormwater pollution? Finally, how can you help everyone in your community understand the value of managing stormwater for a better quality of life?

Answering just a few questions can jump start your efforts to find ways to educate and engage everyone in the effort to meet permit requirements, make smart infrastructure investments, and value stormwater as an essential community resource.

EPA is making these materials available for download by any community to customize with logos and website information. Getting everyone to be "stormwater smart" leads to a healthier community and a stronger, resilient future.

### **TABLE OF CONTENTS**

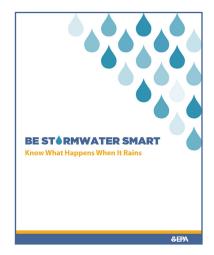
RAISE AWARENESS OF HOW STORMWATER FLOW	'S
Know What Happens When It Rains Brochure Stormwater Flow Infographic Social Media Posts/Graphics	1 2 3
PROMOTE STORMWATER SMART PRACTICES	
Take Steps to Protect Our Waterways Brochure Series Stormwater Smart Steps Infographic Social Media Posts/Graphics Stormwater Tip Sheets for Businesses Construction in Your Neighborhood Tip Sheet  PROMOTE STORMWATER INVESTMENTS IN THE COMMUNITY	4 5 6 7 7
	8
Invest in Your Community Brochure  Be Stormwater Smart PowerPoint	9
Stormwater Investment Benefits Infographic	9
	10
Green Infrastructure in Action Case Studies	11

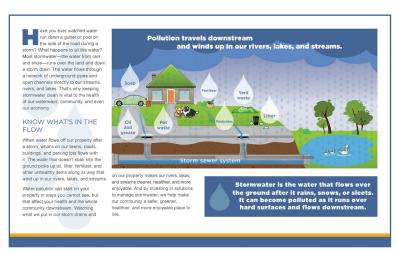
#### RAISE AWARENESS OF HOW STORMWATER FLOWS

Most people don't think about stormwater and how it affects their community as they go about their daily lives. In order to get residents and business owners to appreciate the need to manage stormwater, first you have to explain what it is and how stormwater gets polluted. Use the following tools to draw the connection between stormwater and healthy waterways and communities.

#### Know What Happens When It Rains Brochure

This brochure explains what stormwater is and how pollution travels downstream and into waterways. You can post the PDF to your organization's website or print the brochure and display it in the lobbies of your City Hall, libraries, schools, churches, or utilities. Consider handing it out at community events, or you can use portions of the text in a community newsletter or email to educate residents on stormwater basics and why it is important to manage stormwater. One place to start with stormwater pollution education is by partnering with local environmental, recreational, or "river keeper" groups. They may hold environmental fairs, Earth Day events, river cleanups, or other activities where you can distribute this brochure.

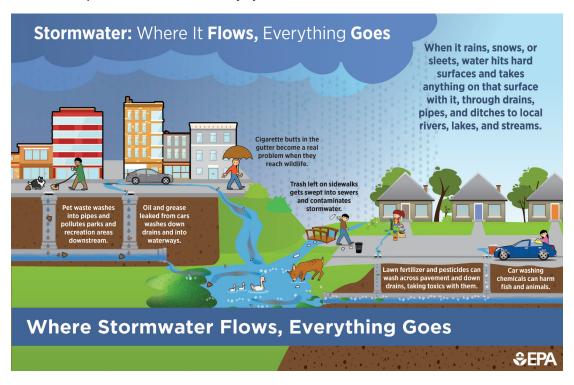




Print on 8.5  $\times$  14 (legal-sized) paper, double-sided, and fold in half.

#### Stormwater Flow Infographic

If you are looking to demonstrate how chemicals and other pollutants get into our waters, try posting this infographic on your website or having a poster made for local science teachers to post in their classrooms. Schools and libraries are good partners in education. Children often take messages home to their parents, and they have a vested interest in ensuring their rivers, lakes, and streams are kept clean for their enjoyment.



Sized to be printed on  $11 \times 17$  paper or as a postcard.

One way to further engage students is to sponsor a poster contest at local schools. You can suggest that kids illustrate any of the stormwater pollution problems shown in this poster with a call to action about how to reduce pollution. Consider offering a prize, or you can display the winner's poster on your website or in prominent local places, such as public libraries. Schools can help you promote your contest and get students to participate as an assignment. You can also partner with your town's Parks and Recreation Department to display the infographic at nature centers, trail systems, parks, and similar venues.



Clean Water Minnesota inspired a local fourth grade teacher and faith leader to have students think critically about stormwater management where they live. The students at Frassati Academy created a song to make cleaning stormwater drains fun!

#### Social Media Posts/Graphics

You can post these social media graphics on your Facebook or Twitter to show how cigarette butts, pet waste, fertilizer, and soap can pollute waterways when stormwater flows. The graphics shown here can be posted with the suggested text underneath each. You can make your posts public so customers can share and retweet on their own Facebook or Twitter accounts; consider having a contest to see who can get the most "likes" or which post gets the most shares.



Where stormwater flows, everything goes. Soap from car washing products contains chemicals that can harm fish and other critters. Be #StormwaterSmart!



Where stormwater flows, everything goes. Cigarette butts don't break down, and they make animals sick. Be #StormwaterSmart!



Where stormwater flows, everything goes. Lawn fertilizers and pesticides can wash across pavement and down drains, taking toxins with them. Be #StormwaterSmart!



Where stormwater flows, everything goes. Oil and grease leaked from cars wash down drains and into waterways. Be #StormwaterSmart!



Where stormwater flows, everything goes. Pet waste washes into sewers and downstream. Be #StormwaterSmart!



Where stormwater flows, everything goes. Trash left on sidewalks gets swept into sewers and contaminates stormwater. Be #StormwaterSmart!

Sized for posting to Facebook and Twitter.

#### PROMOTE STORMWATER SMART PRACTICES

Taking steps to educate consumers and businesses about proper disposal of pet waste, pesticides, oil, and other pollutants is essential to managing stormwater in a community. Once you have educated consumers about what stormwater is and how it gets polluted, you can use the following tools to encourage stormwater smart steps to keep rivers, lakes, and streams clean.

#### Take Steps to Protect Our Waterways Brochure Series

Urban and suburban landscapes have different stormwater management needs and varying target audiences. For your convenience, EPA has developed resources for educating both types of communities on steps they can take to reduce stormwater pollution where they live. Like the other brochures, these can be placed in municipal or utility building lobbies, posted on websites, or handed out at community events such as street fairs, river fests, or home expos.



Print on 8.5  $\times$  14 (legal-sized) paper, double-sided, and fold in half.

#### Stormwater Smart Steps Infographic

No matter the community type, a picture says a thousand words. You can share this infographic on your website, make a poster to hang in local park kiosks, or send as a bill stuffer with water utility bills to educate customers on simple steps they can take to decrease the pollution that flows into their waterways.

One way to engage citizens in better stormwater management is to offer a pledge they can take to reduce pollution. Consider providing this free poster to anyone who takes the pledge, so they can be reminded how easy it is to ensure stormwater doesn't pollute local rivers, lakes, and streams. You can also partner with schools to create a poster contest for students using this infographic as their inspiration for illustrating ways to manage stormwater where they live.



Sized to be printed on 11 x 17 paper or as a postcard.

#### Social Media Posts/Graphics

Post the social media graphics on the next page on your Facebook or Twitter to show residents simple steps they can take toward better stormwater management. You can post the graphics shown here along with the suggested text or draft your own. By making the posts public, customers can share and retweet on their own Facebook or Twitter accounts; consider a contest to see who can get the most "likes" or which post gets the most shares.



Where stormwater flows, everything goes. Avoid applying pesticides or fertilizer when rain is predicted and avoid spraying any chemicals on pavement. Be #StormwaterSmart!



Where stormwater flows, everything goes. Keep trash in its place and never dump down storm drains. Be #StormwaterSmart!



Where stormwater flows, everything goes. Don't oversalt your walk or driveway. Be #StormwaterSmart!



Where stormwater flows, everything goes. Always pick up and dispose of pet waste in the proper container. Be #StormwaterSmart!



Where stormwater flows, everything goes. Direct water from downspouts and sprinklers to green areas only. Be #StormwaterSmart!



Where stormwater flows, everything goes. Follow "No Parking" signs on street sweeping days. Be #StormwaterSmart!

#### Sized for posting to Facebook and Twitter.

#### Stormwater Tip Sheets for Businesses

EPA has developed tip sheets to provide owners of auto shops, restaurants, construction sites, lawn care companies, or public parking lots with quick, easy-to-understand stormwater management tips. You can distribute these to your local business owners, hand out at small business events, or post to your website to show how employees can keep waterways clean through stormwater management practices. Your Stormwater Smart campaign can extend to local business as well. Consider partnering with the local Chamber of Commerce, or hosting a small



Similar to the Adopt-a-Highway program, your Stormwater Smart campaign can give small businesses a chance to show customers they care about the health of local waterways and the beautification of the community.

business breakfast to engage the following types of business owners in taking the pledge to keep rivers, lakes, and streams clean by taking the actions on these tip sheets.



Auto Shops Restaurants

Lawn Care

**Parking Lots** 

Construction

*Print on 8.5 x 11 (letter-sized) paper.* 

#### Construction in Your Neighborhood Tip Sheet

If you would like to educate residents on how to identify proper stormwater management practices in their neighborhood you can post this tip sheet on your website or print it out and use as a handout at community events like home and garden expos, give to home owner associations, or place in municipal and utility building lobbies. Local citizen meetings about new construction projects are also a good place to hand out this tip sheet.



Print on 8.5 x 11 (letter-sized) paper.

## PROMOTE STORMWATER INVESTMENTS IN THE COMMUNITY

Explaining why it's important to invest in green infrastructure solutions to reduce stormwater pollution can be complicated. The following materials help educate your municipal officials, elected officials, and financial institutions about the benefits of investing in green infrastructure.

#### Invest in Your Community Brochure

Educate officials with this brochure about the ways stormwater smart solutions and green infrastructure can bring value to the community. You can hand it out at city council meetings to accompany a presentation; make it available at community gatherings; or distribute to interest groups and stakeholders focused on environmental improvement projects in your community to inspire support and investment.



Print on 8.5 x 14 (legal-sized) paper, double-sided, and fold in half.

#### Be Stormwater Smart PowerPoint

To communicate with officials, you can customize this Stormwater Smart PowerPoint presentation with your community data, plans and activities to demonstrate the importance of enhancing stormwater management and green infrastucture in your community. This PowerPoint was designed to be used at city council meetings and other local government and leadership gatherings to make it easy to share the value of stormwater smart investments.







#### Stormwater Investment Benefits Infographic

Pictures can help sell your story and help people understand why reducing stormwater pollution adds value to their neighborhood. Consider sharing this infographic on your website, making a poster for your lobby, or sending as a bill stuffer with water utility bills to educate customers.



Sized to be printed on  $11 \times 17$  paper or as a postcard.

#### Social Media Posts/Graphics

You can post the social media graphics below on your Facebook or Twitter to show residents how stormwater management adds value to the community. You can use the graphics shown here along with the suggested text.



Where stormwater flows, everything goes. Bioretention basins reduce pollution and beautify the landscape. Be #StormwaterSmart!



Where stormwater flows, everything goes. Enhancing paved parking lots with more landscaping helps soak up stormwater. Be #StormwaterSmart!



Where stormwater flows, everything goes. Pocket parks add green spaces and enhance neighborhoods. Be #StormwaterSmart!



Where stormwater flows, everything goes. Local governments and utilities can make smart investments in stormwater management. Be #StormwaterSmart!



Where stormwater flows, everything goes. Permeable paving and rain gardens help reduce flooding. Be #StormwaterSmart!



Where stormwater flows, everything goes. Rain gardens and permeable pavers help soak up stormwater. Be #StormwaterSmart!

#### Sized for posting to Facebook and Twitter.

#### Green Infrastructure in Action Case Studies

Case studies are a great way to show real world examples of successful implementation of stormwater management and green infrastructure projects in other communities to strengthen support for your own project goals. These work well as an addition to your presentations to local community leaders, or you can make them available on your website.

#### Monona, Iowa, Aquatic Center Permeable Pavers Parking Lot

The City of Monona in Iowa completed a project to replace the Monona Aquatic Center gravel parking lot with permeable pavers to reduce stormwater runoff. This project helped to improve local water quality, enhance aesthetics, and reduce site maintenance. This case study summarizes the project along with results and lessons learned.





Can be printed 8.5 x 11 (letter-sized) paper.

#### Cleveland, Ohio, Rain Gardens and Bioretention Features in Vacant Lots

To prevent stormwater from polluting Lake Erie, the Cleveland Botanical Garden and a local sewer utility installed rain gardens and bioretention features in vacant lots in the Slavic Village area of Cleveland, Ohio. This case study explains how green infrastructure helped to improve local water quality, add green space, beautify





empty land, and improve safety and quality of life.

## Syracuse, New York, Renovates Community Park With Green Infrastructure

Syracuse worked with Onondaga County, New York's Save the Rain program to plan, construct, and finance the renovation of the McKinley Park basketball court and parking lot with green infrastructure designed to reduce the volume of stormwater that flows into the combined sewer system along surrounding streets.





This case study explains details of the project and how it supported principles of social and environmental justice and enhanced community unity and pride.

## Santa Fe, New Mexico, Uses Green Infrastructure as Part of New Community Trail

The City of Santa Fe utilized green infrastructure innovations to ensure water from occasional heavy storms would not flood a new pedestrian trail. This case study shows how proactively incorporating green infrastructure such as stormwater infiltration ponds, infiltration trenches, and bioswales of native plants in





the community project helps mitigate flooding on the trail, reduce required maintenance at the site, save water, and improve the local ecosystem.

Stormwater management is a major challenge for many communities. Raising awareness, promoting practices, and inspiring investment takes energy and commitment. This toolkit of communications materials can help you demonstrate how people living in your region can do their part every day to help manage stormwater and see it as a valuable community resource.