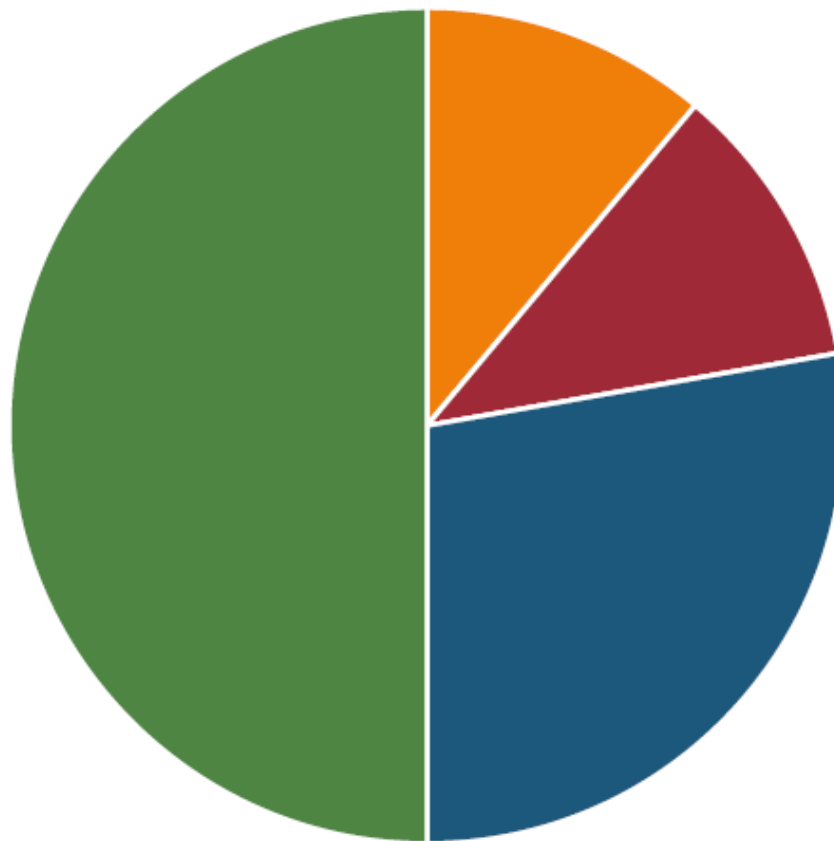


# MS4 Program Survey Results

Stormwater Coalition      July 18, 2019



If Ohio EPA were to stop by tomorrow, which program area would you be the most worried about?



■ Public Involvement, Participation and Education  
■ Construction and Post Construction

■ Illicit Discharge Detection and Elimination  
■ Pollution Prevention and Good Housekeeping



# MCM1 & 2

GREATER TOLEDO  
LAKE ERIE

CLEAR CHOICES  
CLEAN WATER

## P.I.P.E

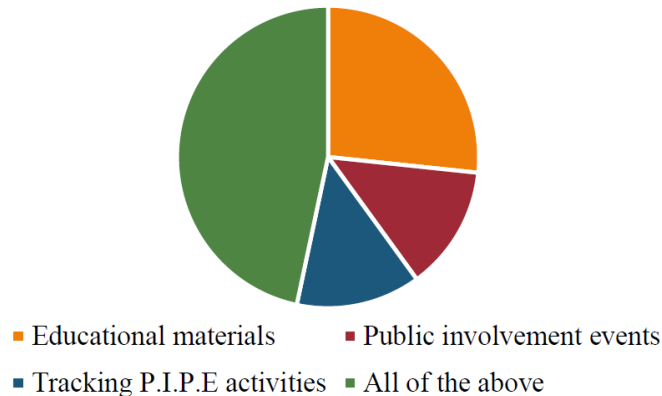
Partners  
for  
Clean  
Streams

# Public Involvement Participation Education

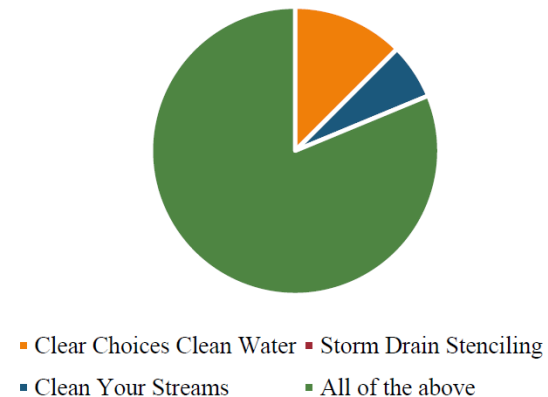
# Public Involvement, Participation, and Education

- Most members are close to meeting minimum requirements
- Members could use help with educational materials, events, and tracking mechanisms for activities.
  - CCCW materials and quarterly reporting
  - Reporting from other programs
  - Annual Reporting

In what area do you need the most help meeting P.I.P.E requirements?



Do you participate in regional P.I.P.E programs?



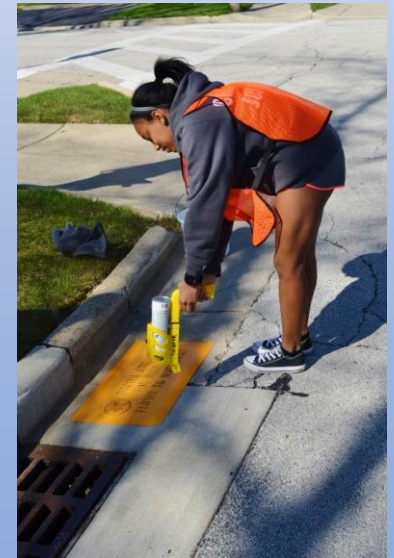
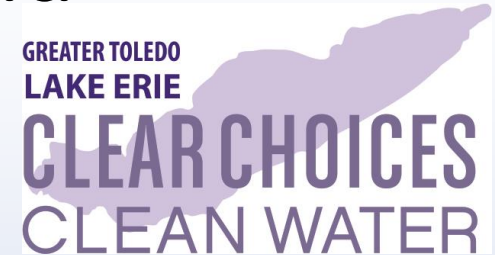
# Regional Collaboration on Public Involvement, Participation, and Education (PIPE)

## Education

- Clear Choices Clean Water
- Soil and Water Conservation District Programs
- TMACOG resources

## Participation/Involvement

- Storm Drain Stenciling
- Clean your Streams
- Rain Garden Initiative – Rain Barrel Workshops
- Volunteering



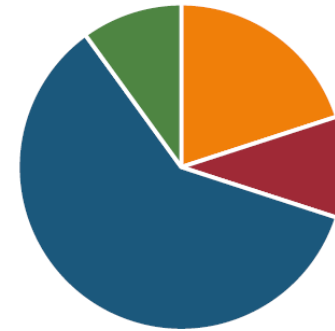
МММММ



## Illicit Discharge Detection and Elimination (IDDE)

- Difficulty meeting requirements for mapping and outfall screening
  - Focus of SWC through January 2020
  - October Field Day - dry weather screening, source tracking, taking samples, testing for various parameters, new reporting requirements out
  - New MS4 permit may provide clarification on requirements and reporting expectations

Is your storm sewer system fully mapped?



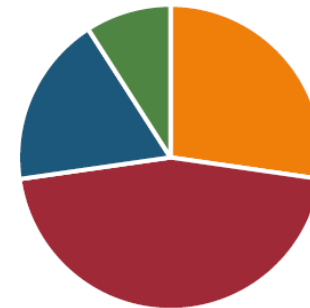
■ 100% digital and updated
 ■ 100% paper maps  
■ Partially mapped digitally or paper
 ■ We don't have maps for our MS4

In what area does your jurisdiction need the most assistance in meeting IDDE requirements?



■ On-site/hands-on training
 ■ Outfall inspections forms  
■ Mapping
 ■ All of the above

Have you completed initial dry-weather screenings for all storm water outfalls?



■ 100%
 ■ 50%
 ■ <50%
 ■ No dry weather screening



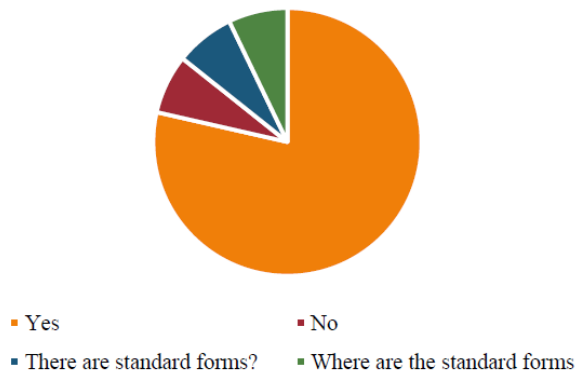
MM4



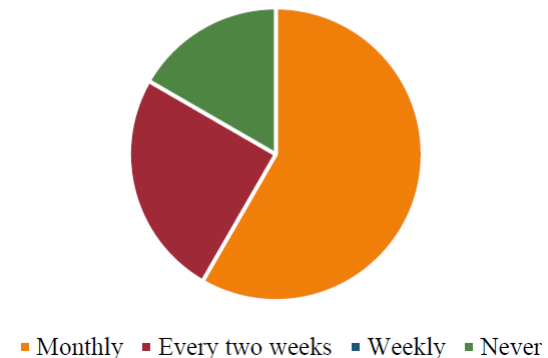
# Construction Site Sediment and Erosion Control

- Most members are meeting requirements and using available resources

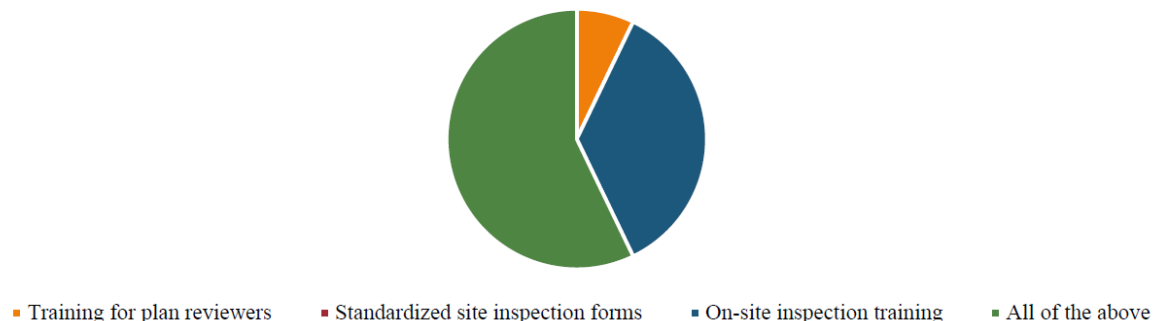
Do you require developers to submit plans using SWC standard forms?



How often do you inspect each active construction site?



In what areas do you need the most assistance in meeting construction site requirements?



# Regional Collaboration on Construction Site Enforcement

- Work in recent years
  - workshops for developers, contractors, builders, plan reviewers
  - Erosion and Sediment Control Field Guide
  - Site Plan Submittal Forms
- SWC member “shadow” opportunities



<http://www.tmacog.org/storc/swp3.htm>

MAMM5

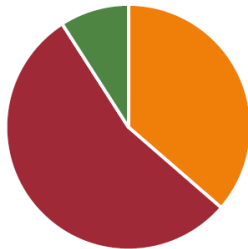




# Post-construction

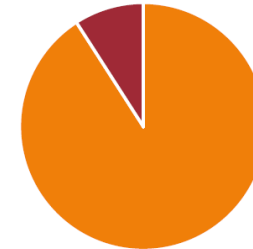
- Most members are doing some level of post-construction inspection and require maintenance agreements
  - Share maintenance agreement templates and inspection forms as members complete them

Do you conduct post-construction inspections to ensure stormwater BMPs were installed correctly?



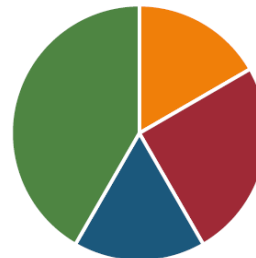
■ Yes annually ■ Yes. For a suspected problem ■ No ■ Only on a full moon

Does your jurisdiction require post-construction maintenance agreements for stormwater BMPs?



■ Yes ■ No

In what area do you need the most assistance in meeting post-construction requirements?



■ Plan review training ■ Standardized post-construction inspection forms ■ Boiler-plate maintenance agreements ■ All of the above

# Regional Collaboration on Post-construction

## Work in Recent Years

- Workshops for design engineers
- Continuing education for plan reviewers
- Site Plan Submittal Forms

## Next steps

- Update TMACOG website with all resources

<http://www.tmacog.org/storc/swp3.htm>



MMMG



# Pollution Prevention and Good Housekeeping (PPGH)

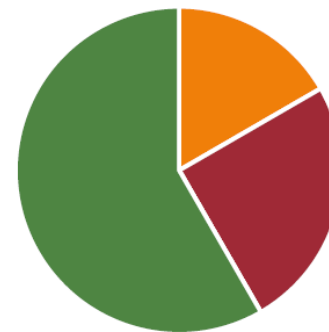
- More than half of members seem to be meeting minimum requirements for staff training and SWPPPs
- Little to no interest in existing lecture-style presentations Hands-on training
  - Videos
  - Quizzes (Kahoot)

Do you think you are meeting PPGH permit requirements?



- Going above and beyond
- Meeting the minimum
- Meeting some but not all
- Not even close

What type of PPGH training would your staff find the most engaging?



- Universal Kahoot! Quizzes
- Video training
- Lecture style
- Hands on/Spill demonstrations

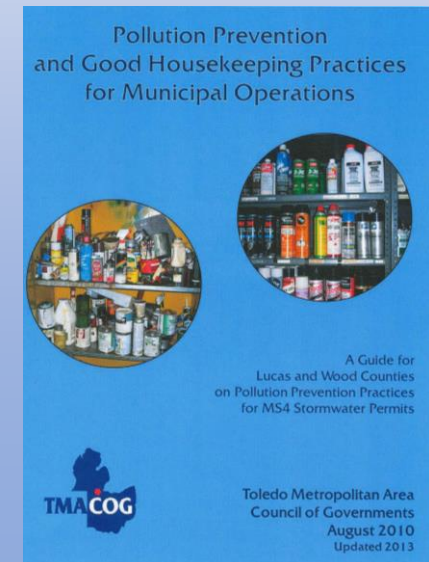
# Regional Collaboration on Pollution Prevention Good Housekeeping

## Existing Resources

- On-site Employee training
- Printed Training materials

## Develop new resources

- Short videos, quizzes, other?
- Possible Spring 2020 workshop
- Opportunities for MS4 staff to “shadow” another SWC member to learn protocols



# Summary – Next Steps

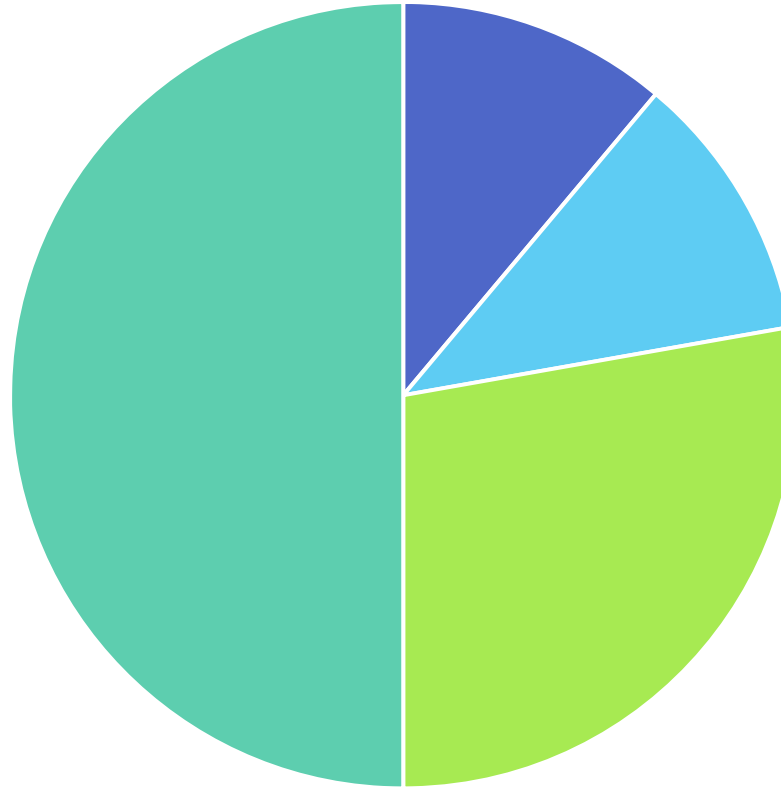
- 2019-2020 focus on IDDE and GHPP resource
- Members encouraged to use resources available online
- Members encouraged to “shadow” other SWC members
- SWAG will re-focus in response to changes in new MS4 permit





# Kahoot! Results for SWC Meeting April 18<sup>th</sup> 2019

If Ohio EPA were to stop by tomorrow, which program area would you be the most worried about?



■ Public Involvement, Participation and Education  
■ Construction and Post Construction

■ Illicit Discharge Detection and Elimination  
■ Pollution Prevention and Good Housekeeping

## Contents

Page 2: MCM 1 & 2

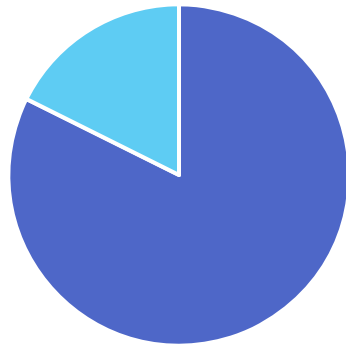
Page 3: MCM 3

Page 4: MCM 4

Page 5: MCM 5

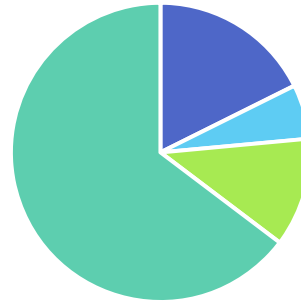
Page 6: MCM 6

Do you have staff dedicated to P.I.P.E?



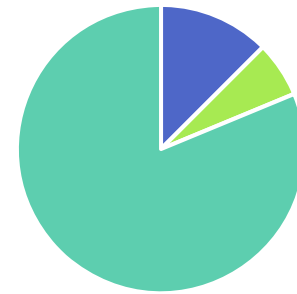
■ Yes ■ No

Which audiences do you target with your P.I.P.E program?



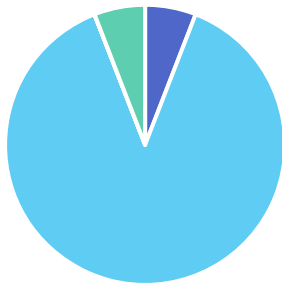
■ Landowners ■ Students  
■ The Development Community ■ More than one of the above

Do you participate in regional P.I.P.E programs?



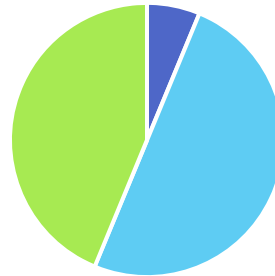
■ Clear Choices Clean Water ■ Storm Drain Stenciling  
■ Clean Your Streams ■ All of the above

How many types of outreach materials do you use?



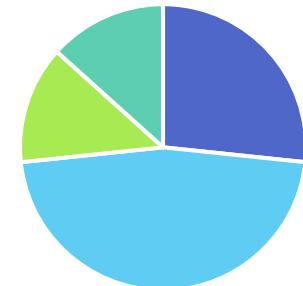
■ 1 ■ 2 to 5 ■ More than 5 ■ None

How many public involvement activities have you hosted in the past 5 year?



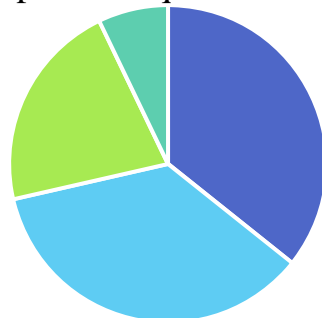
■ 1 ■ 2 to 5 ■ More than 5 ■ None

What percent of your population do you believe you have reached over the past 5 years?



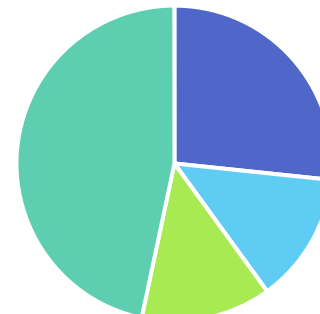
■ 10% ■ 25% ■ 50% ■ 75%

Do you think you are meeting P.I.P.E permit requirements?



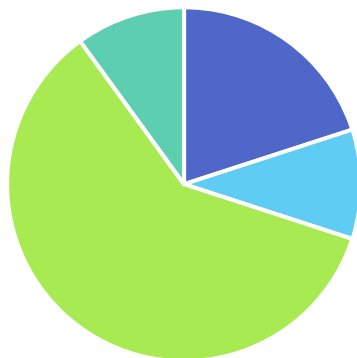
■ Going above and beyond ■ Meeting the minimum  
■ Meeting some but not all ■ Not even close

In what area do you need the most help meeting P.I.P.E requirements?



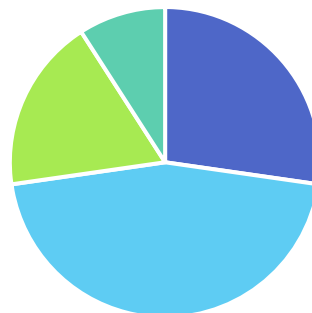
■ Educational materials ■ Public involvement events  
■ Tracking P.I.P.E activities ■ All of the above

Is your storm sewer system fully mapped?



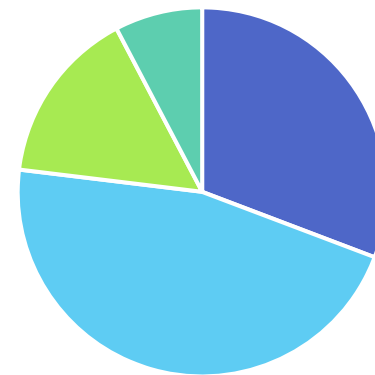
■ 100% digital and updated ■ 100% paper maps  
■ Partially mapped digitally or paper ■ We don't have maps for our MS4

Have you completed initial dry-weather screenings for all storm water outfalls?



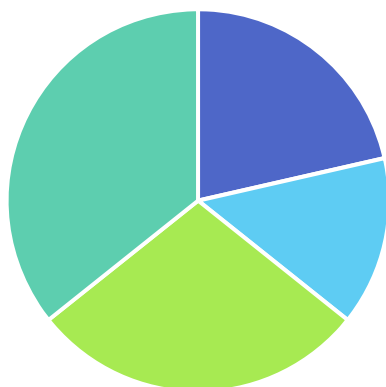
■ 100% ■ 50% ■ <50% ■ No dry weather screening

Do staff regularly inspect outfalls?



■ Yes; there's a schedule ■ When convenient  
■ No ■ What's an outfall?

What percentage of your outfalls have been inspected over the past 5 years?



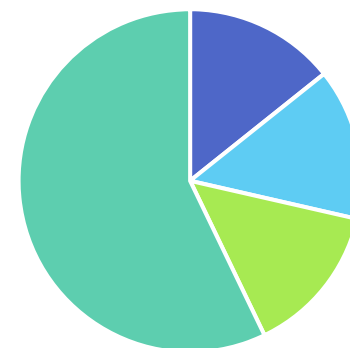
■ 0% ■ 25% ■ 50% ■ 100%

Do you think you are meeting IDDE permit requirements?



■ Going above and beyond ■ Meeting the minimum  
■ Meeting some but not all ■ Not even close

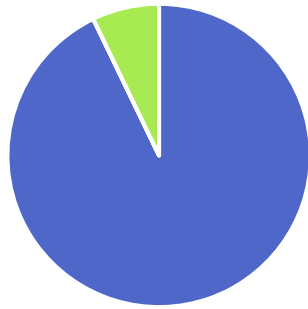
In what area does your jurisdiction need the most assistance in meeting IDDE requirements?



■ On-site/hands-on training ■ Outfall inspections forms  
■ Mapping ■ All of the above

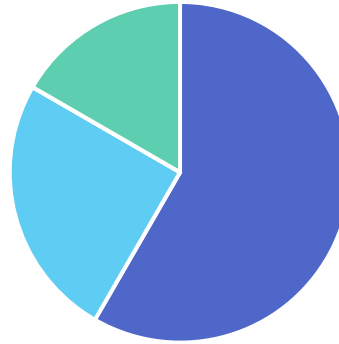


Do you have a resolution/ordinance allowing your jurisdiction to inspect construction sites?



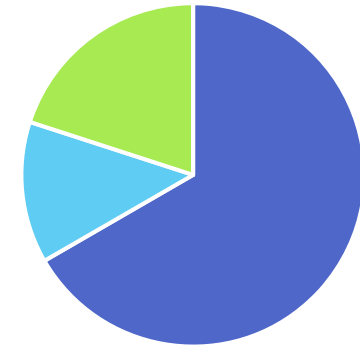
■ Yes ■ Yes, but out of date ■ No

How often do you inspect each active construction site?



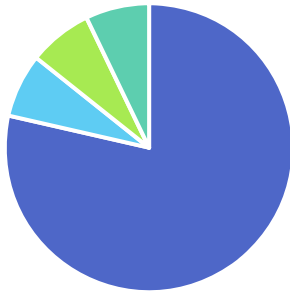
■ Monthly ■ Every two weeks ■ Weekly ■ Never

Do you have staff dedicated to site plan review?



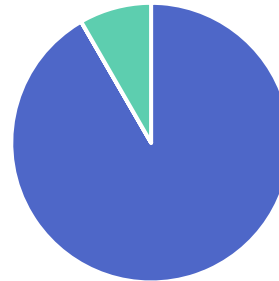
■ Yes. Engineer ■ Yes. Consultant ■ No

Do you require developers to submit plans using SWC standard forms?



■ Yes ■ No  
 ■ There are standard forms? ■ Where are the standard forms  
 ■ Phone number ■ Web-based ■ No mechanism ■ Other

What mechanisms do you provide for public reporting of problem construction sites?

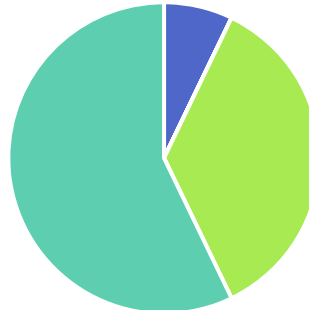


Do you think you are meeting permit requirements for construction site runoff control?



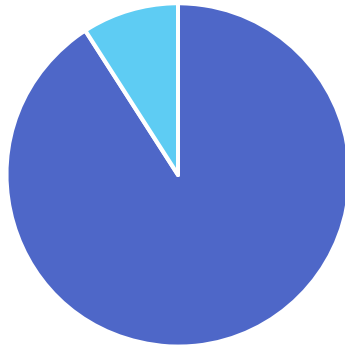
■ Going above and beyond ■ Meeting the minimum  
 ■ Meeting some but not all ■ Not even close

In what areas do you need the most assistance in meeting construction site requirements?



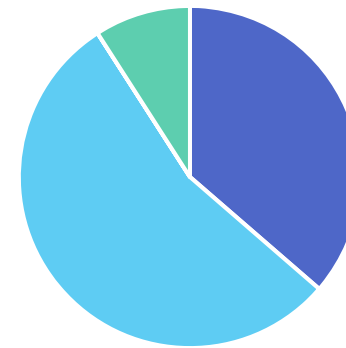
■ Training for plan reviewers ■ Standardized site inspection forms ■ On-site inspection training ■ All of the above

Does your jurisdiction require post-construction maintenance agreements for stormwater BMPs?



■ Yes ■ No

Do you conduct post-construction inspections to ensure stormwater BMPs were installed correctly?



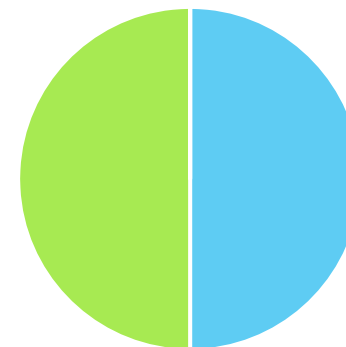
■ Yes annually ■ Yes. For a suspected problem ■ No ■ Only on a full moon

Do you have staff dedicated to annual maintenance inspections?



■ Yes ■ No ■ Dedicated is a relative term

Do you think you are meeting post-construction permit requirements?



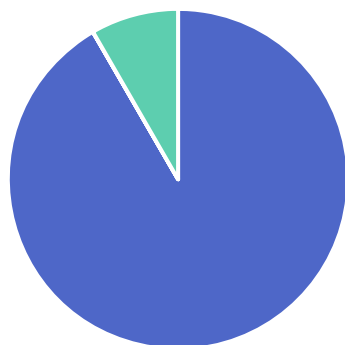
■ Going above and beyond ■ Meeting the minimum ■ Meeting some but not all ■ Not even close

In what area do you need the most assistance in meeting post-construction requirements?



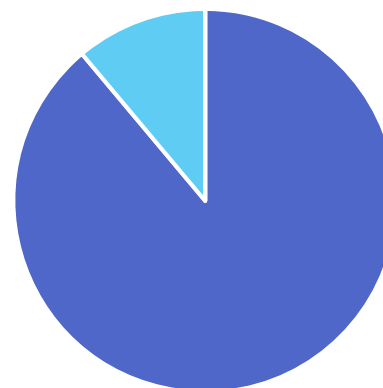
■ Plan review training ■ Standardized post-construction inspection forms ■ Boiler-plate maintenance agreements ■ All of the above

How often do you train staff in Pollution Prevention and Good Housekeeping?



■ Annually ■ Quarterly ■ Monthly ■ Never

Do your maintenance buildings have a SWPPP?



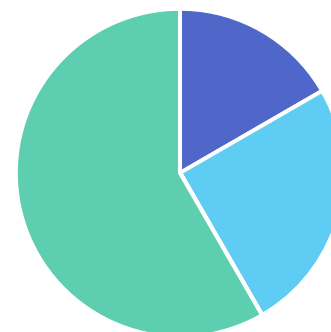
■ Yes ■ One copy for reference ■ Not written

Do you think you are meeting PPGH permit requirements?



■ Going above and beyond ■ Meeting the minimum  
■ Meeting some but not all ■ Not even close

What type of PPGH training would your staff find the most engaging?



■ Universal Kahoot! Quizzes ■ Video training  
■ Lecture style ■ Hands on/Spill demonstrations