

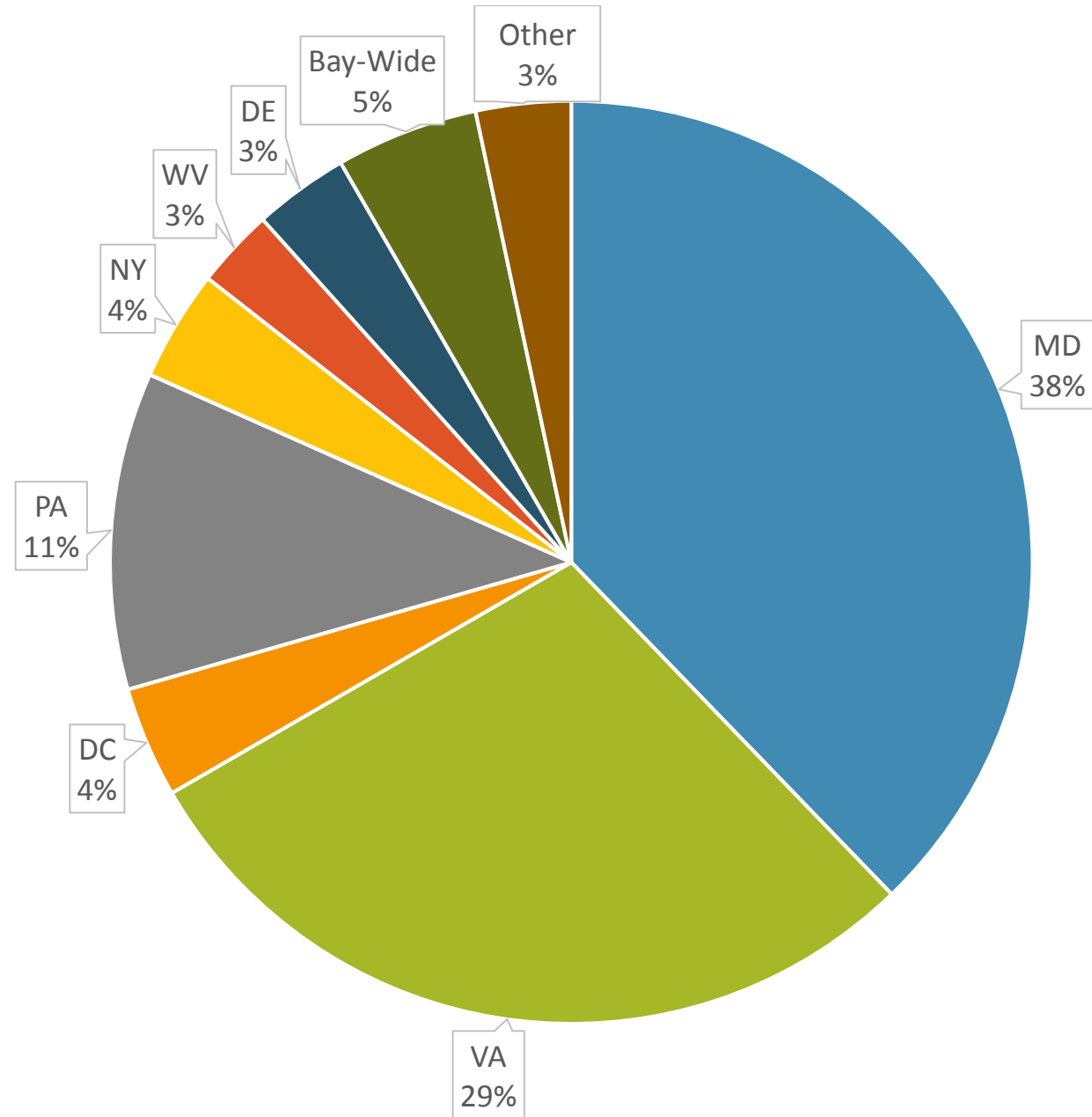
2017 CSN Network Survey

Complete Results
September 29, 2017

Survey Audience Demographic Questions

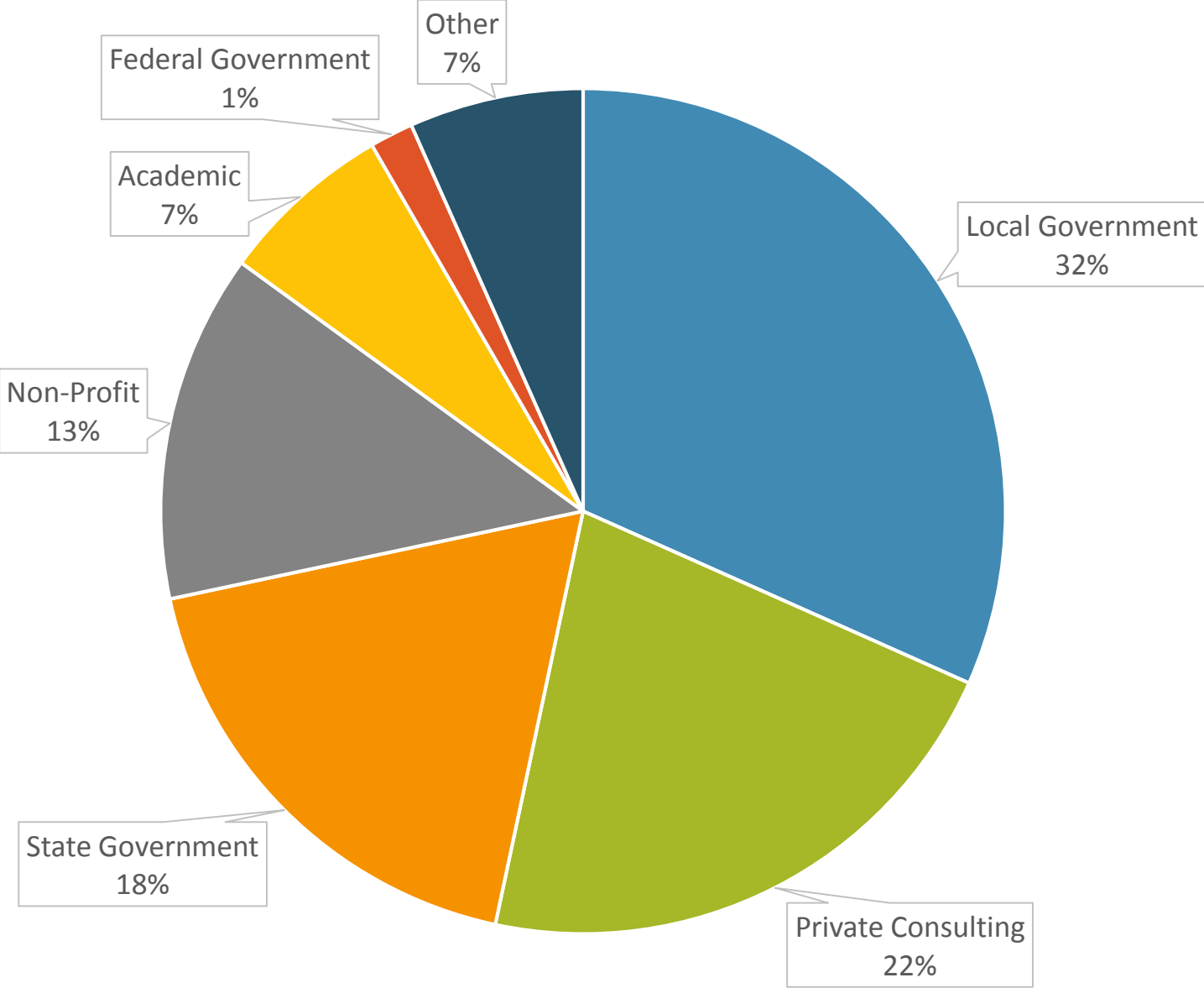
In which state is
your work
primarily located?

180 Responses



What sector do you work in?

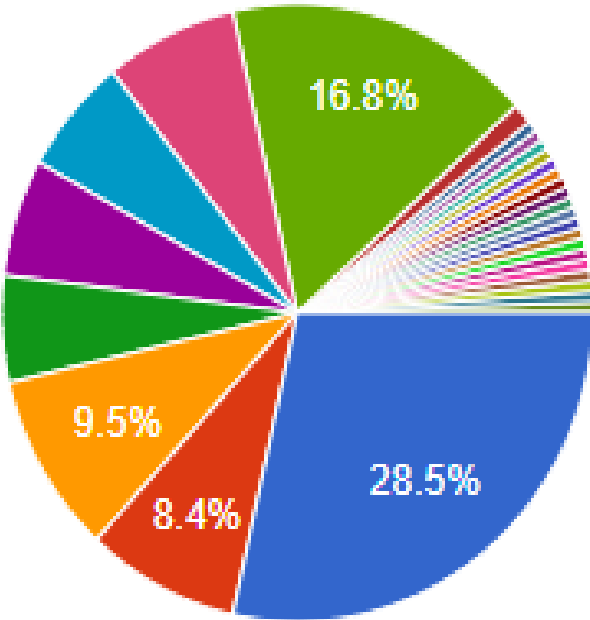
180 Responses



What are you primarily responsible for in your stormwater management role?



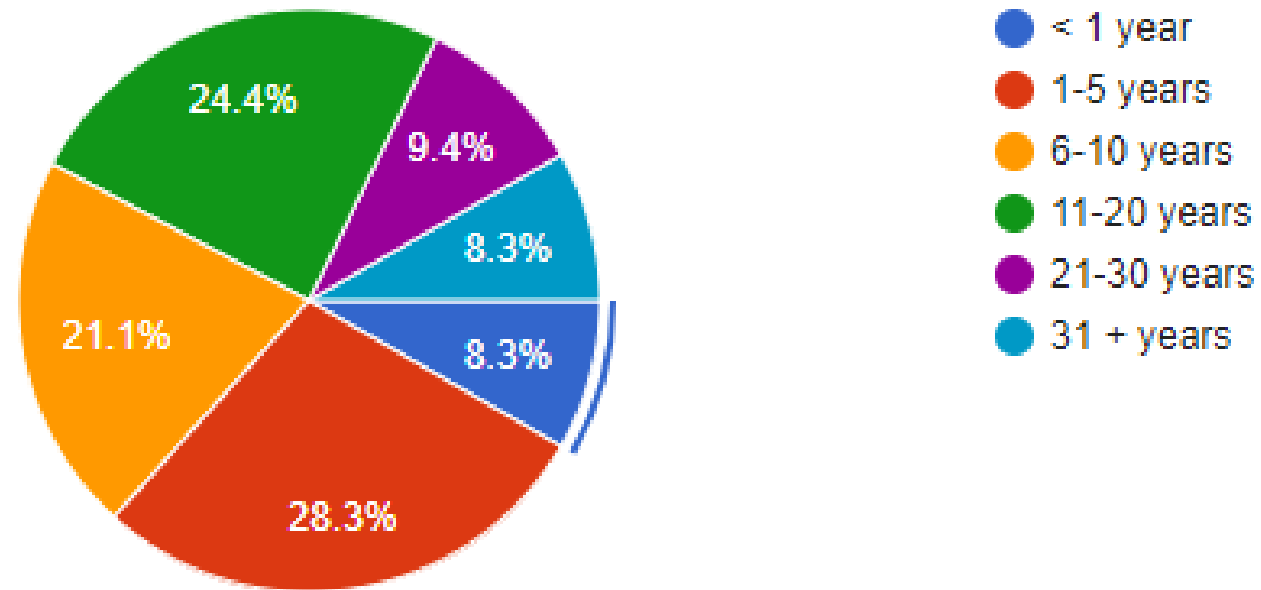
179 responses



- Overall MS4 or other stormwater pe...
- General management and oversight
- Design
- Plan Review
- Inspection and maintenance
- Construction/Installation
- Regulatory oversight
- Education and Outreach

What is your stormwater management experience?

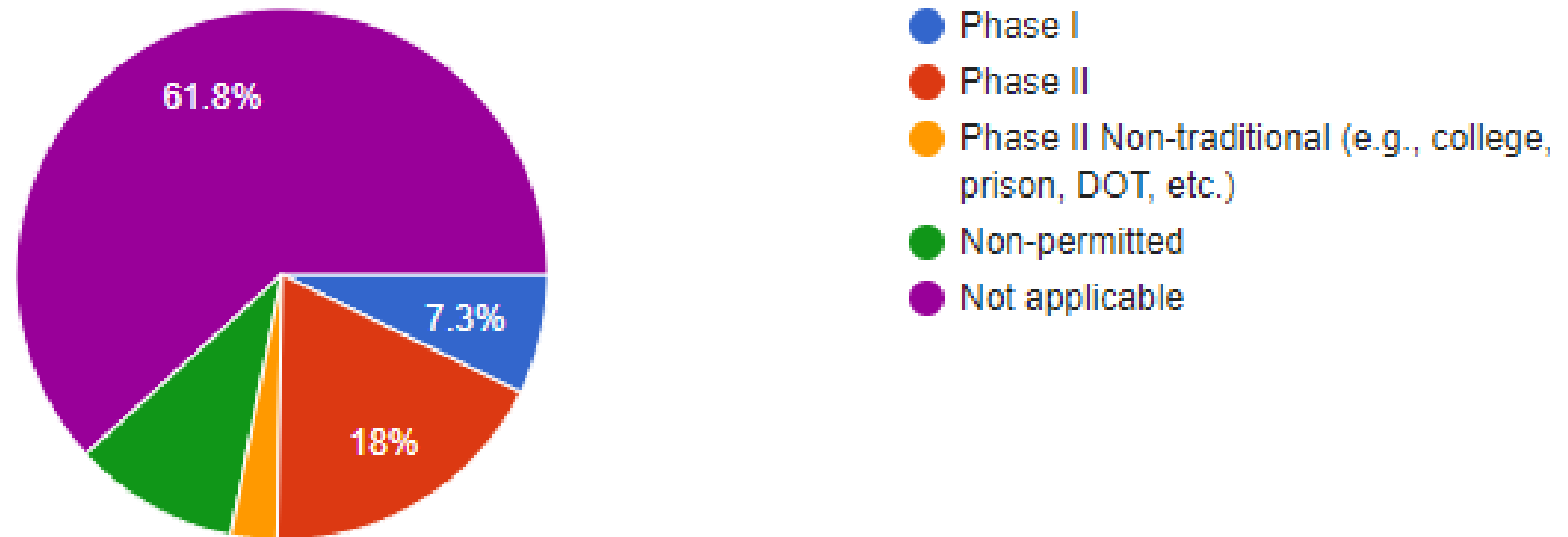
180 responses



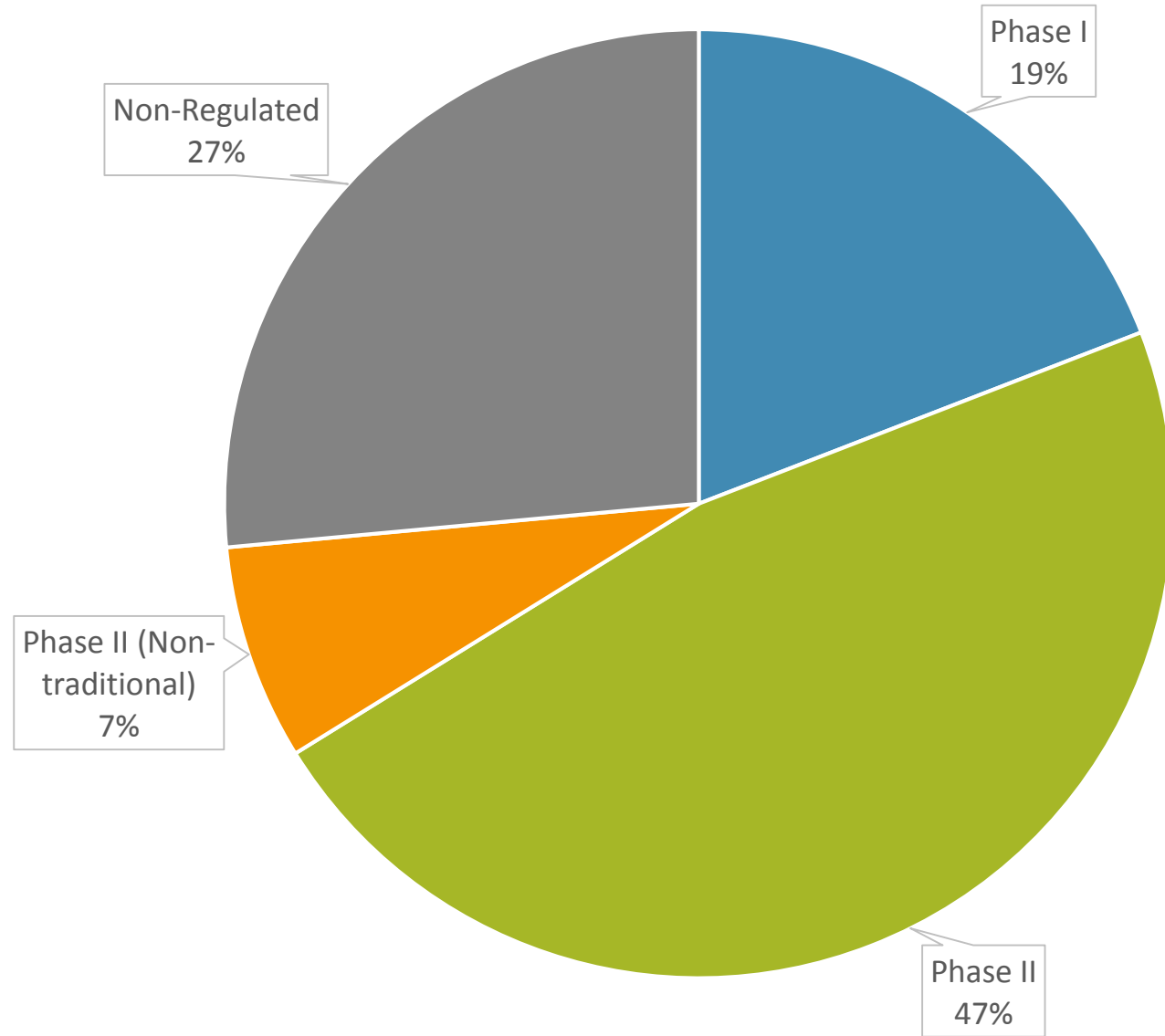
Are you an MS4 permittee? If so, indicate which type of permit you are regulated by:



178 responses



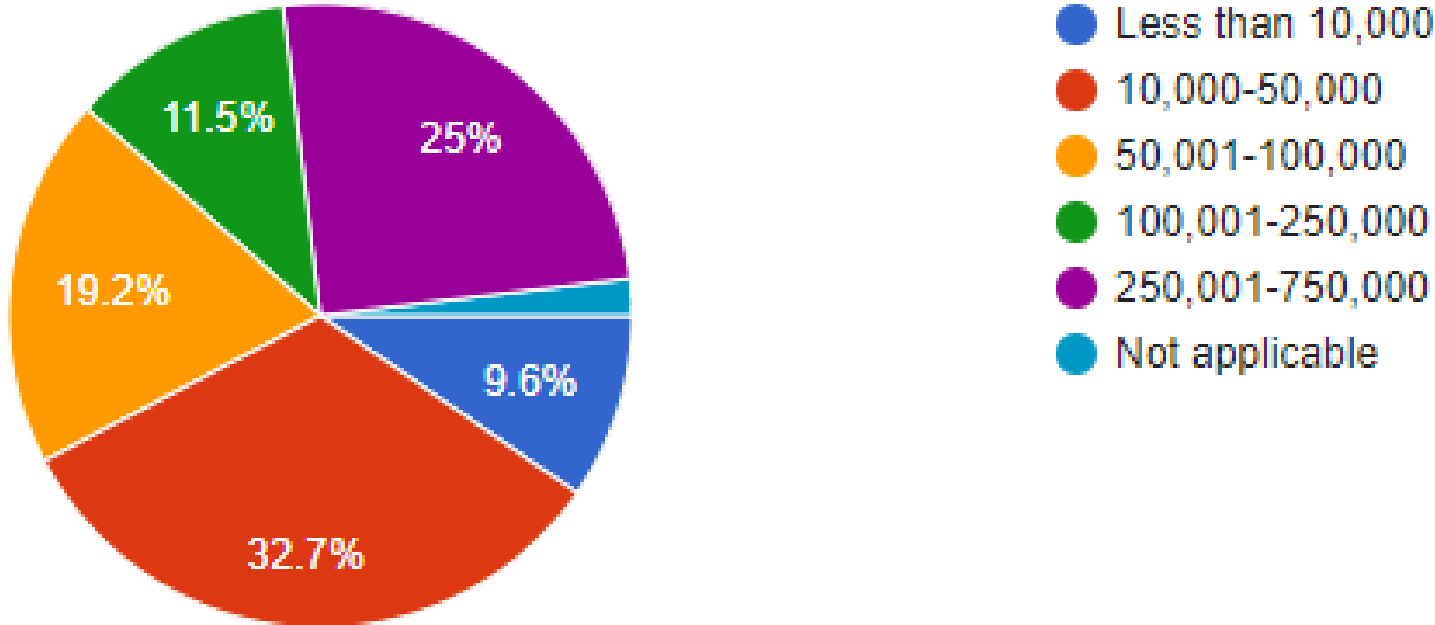
A closer look at MS4 permittees: 68 Responses



MS4-Specific Questions

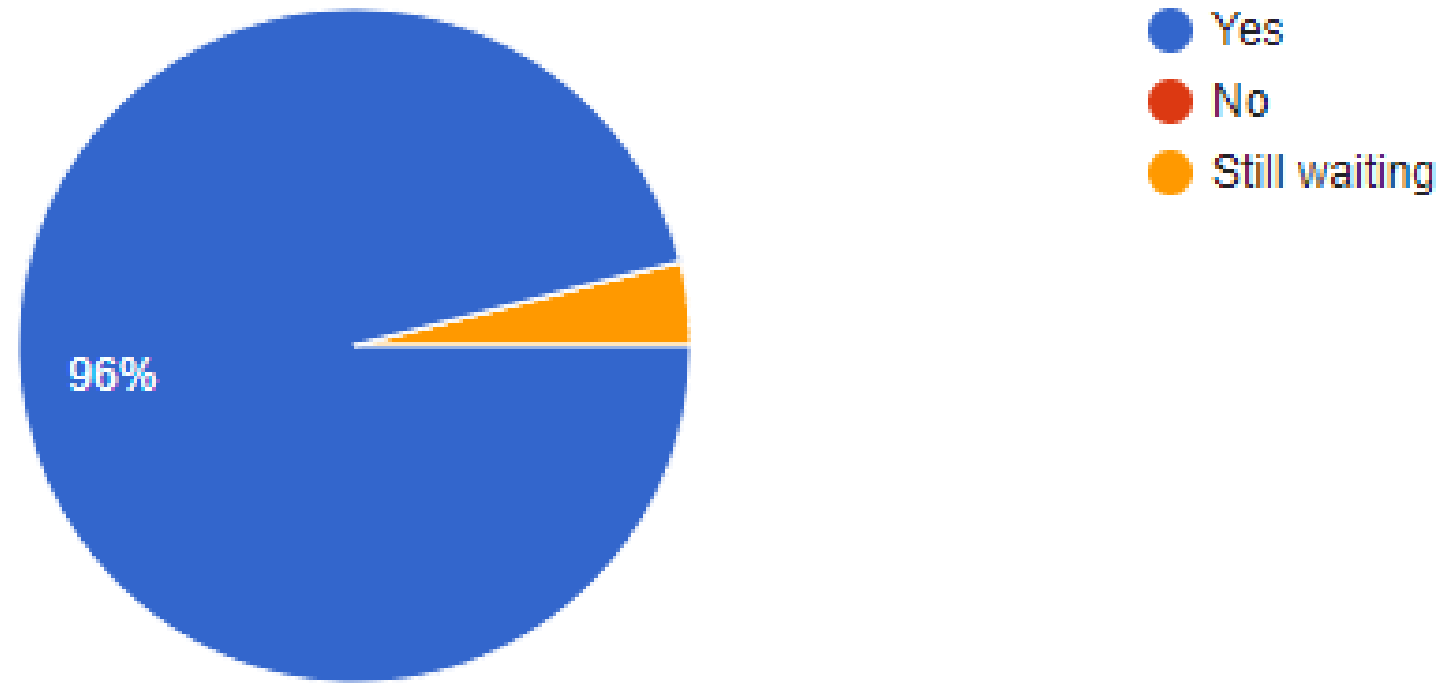
What is the approximate population in the communities served by the MS4 permit?

52 responses



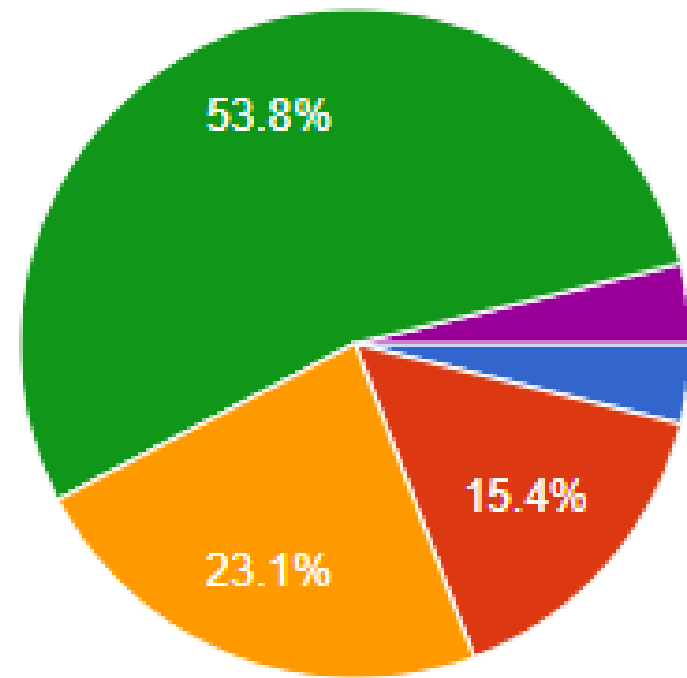
Do you have a current permit?

50 responses



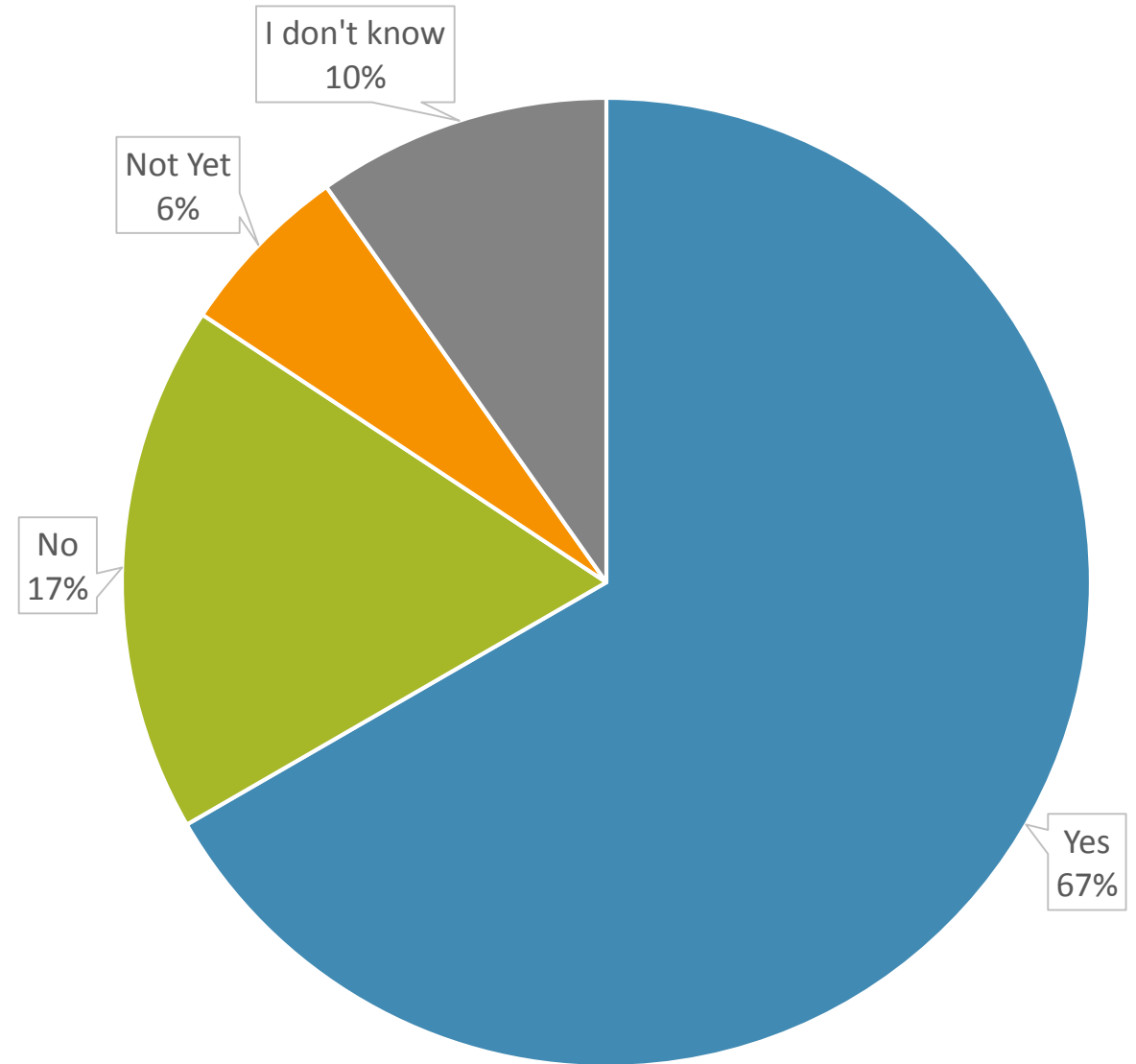
How many permit cycles has your jurisdiction/entity gone through?

52 responses



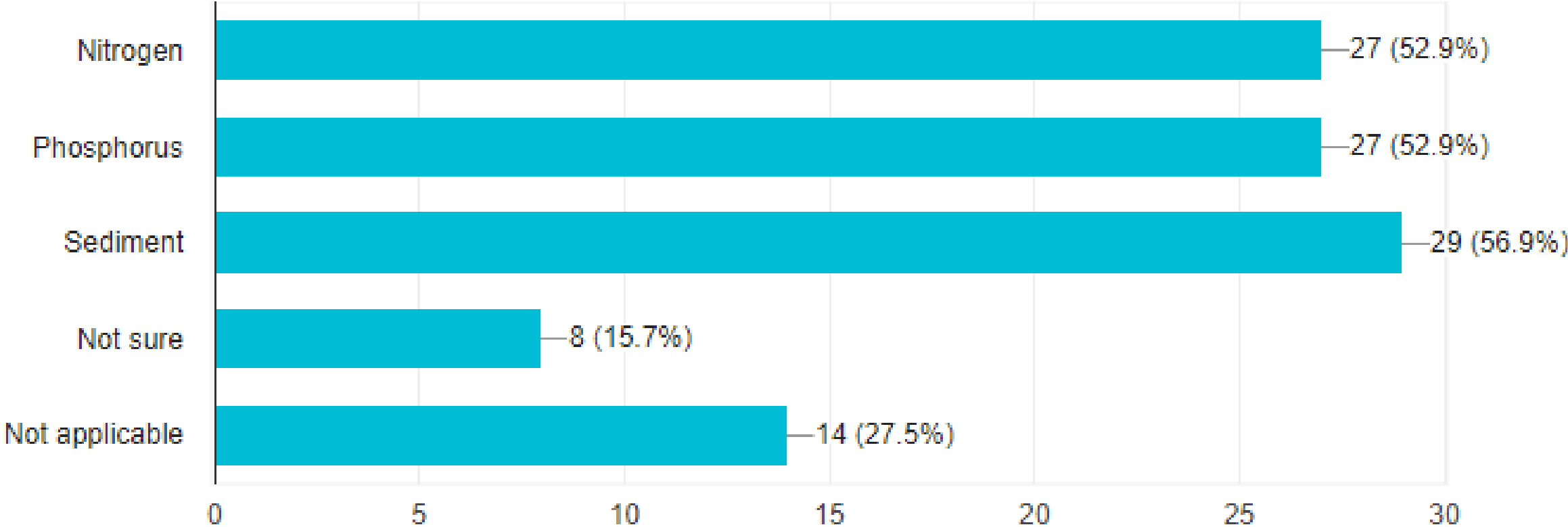
- We have not received our permit yet
- We are in our first permit cycle
- We have completed one and are in our second permit cycle
- We have completed two or more permit cycles
- Not sure

Does your permit
have a specific link
to the Chesapeake
Bay TMDL? (n=51)



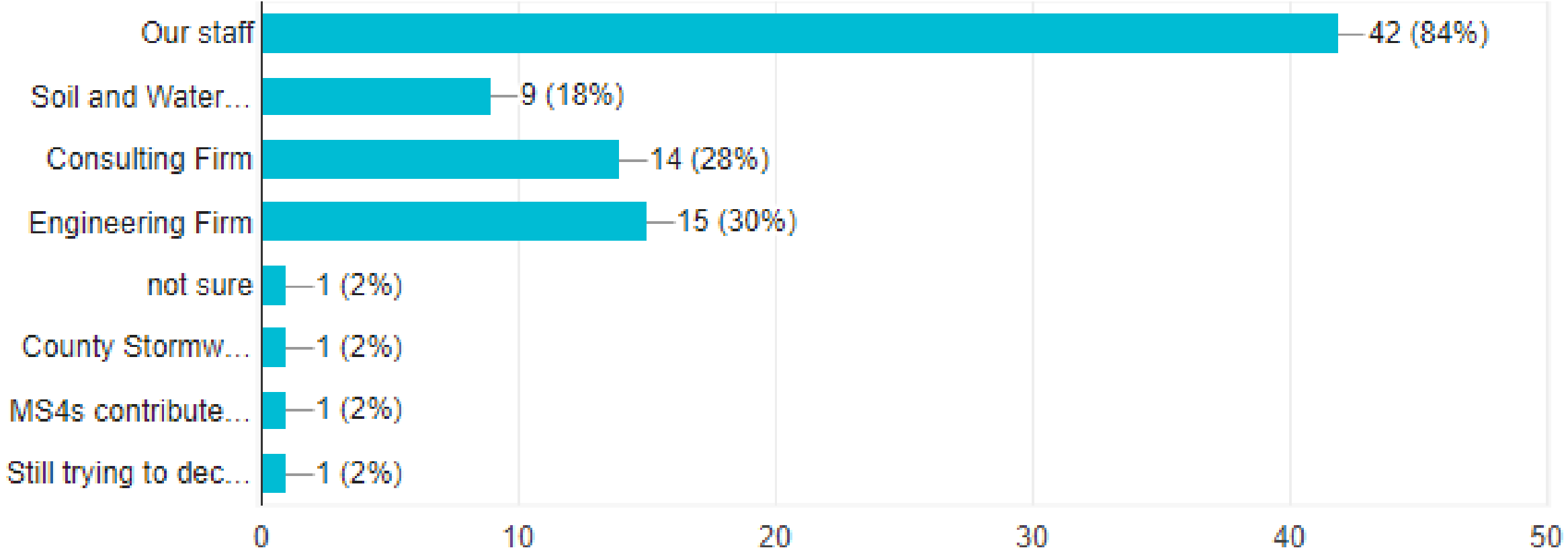
If your permit includes a specific link to the Chesapeake Bay TMDL, does it include specific pollutant reduction requirements in this permit cycle? Please select all that apply:

51 responses

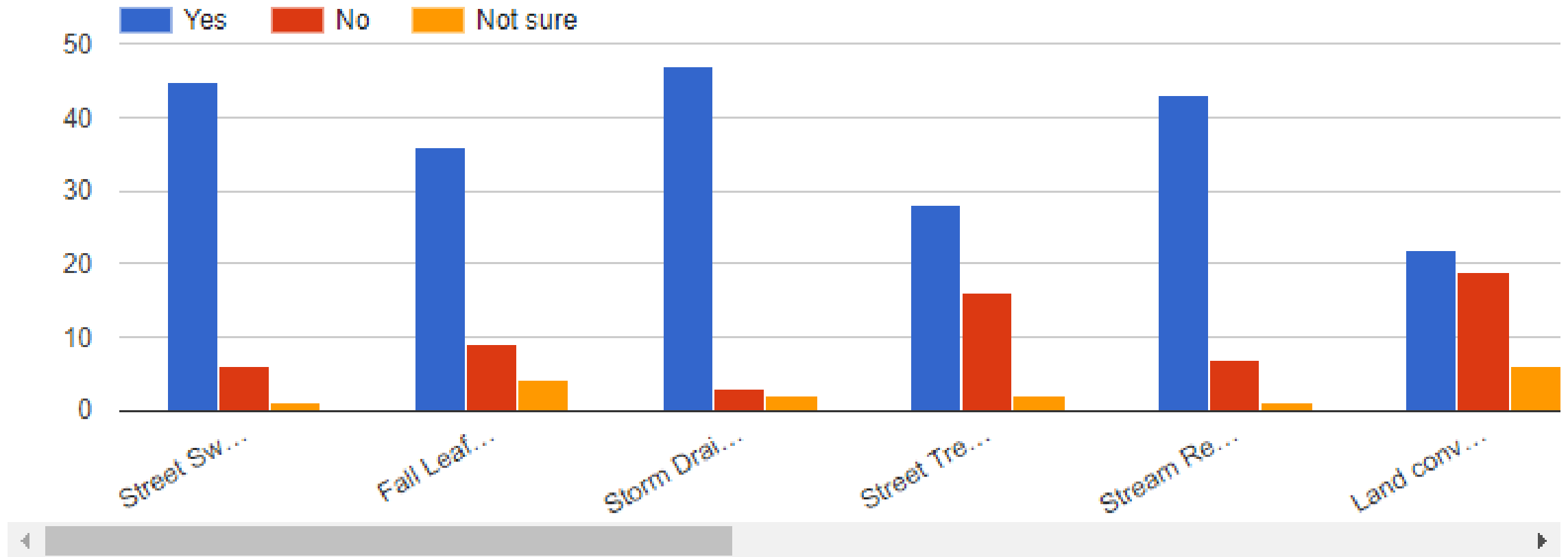


Do you perform most of your MS4 permit work with your own staff, or do you use another outside service? Please select all that apply:

50 responses

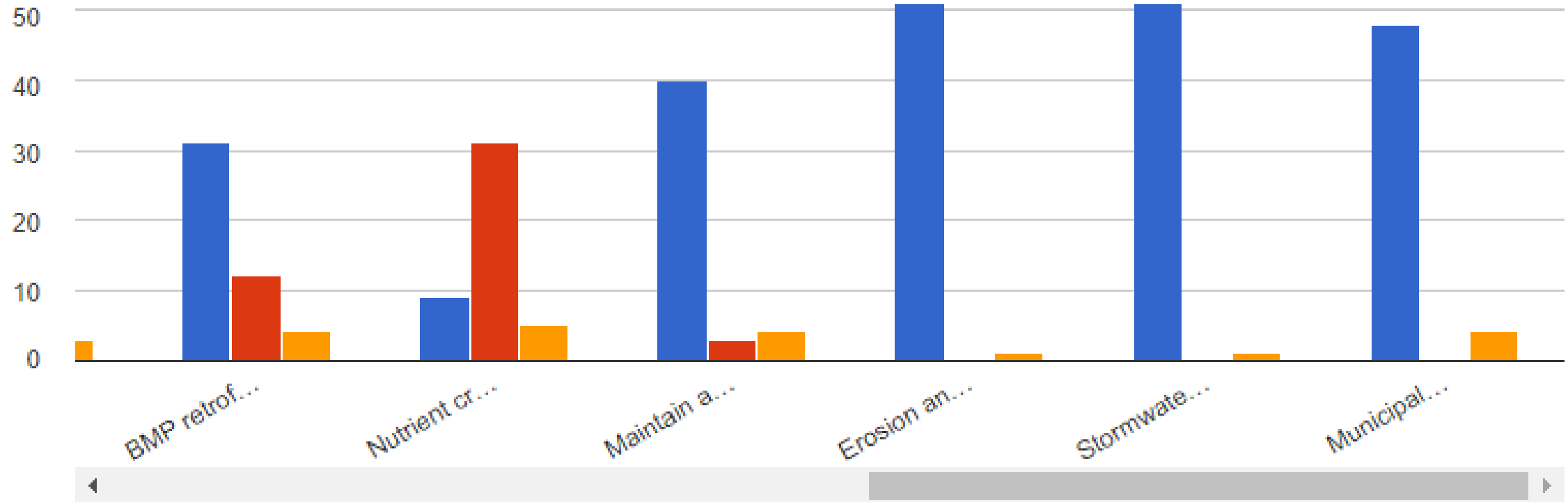


Which of the following activities are done in your permitted area?



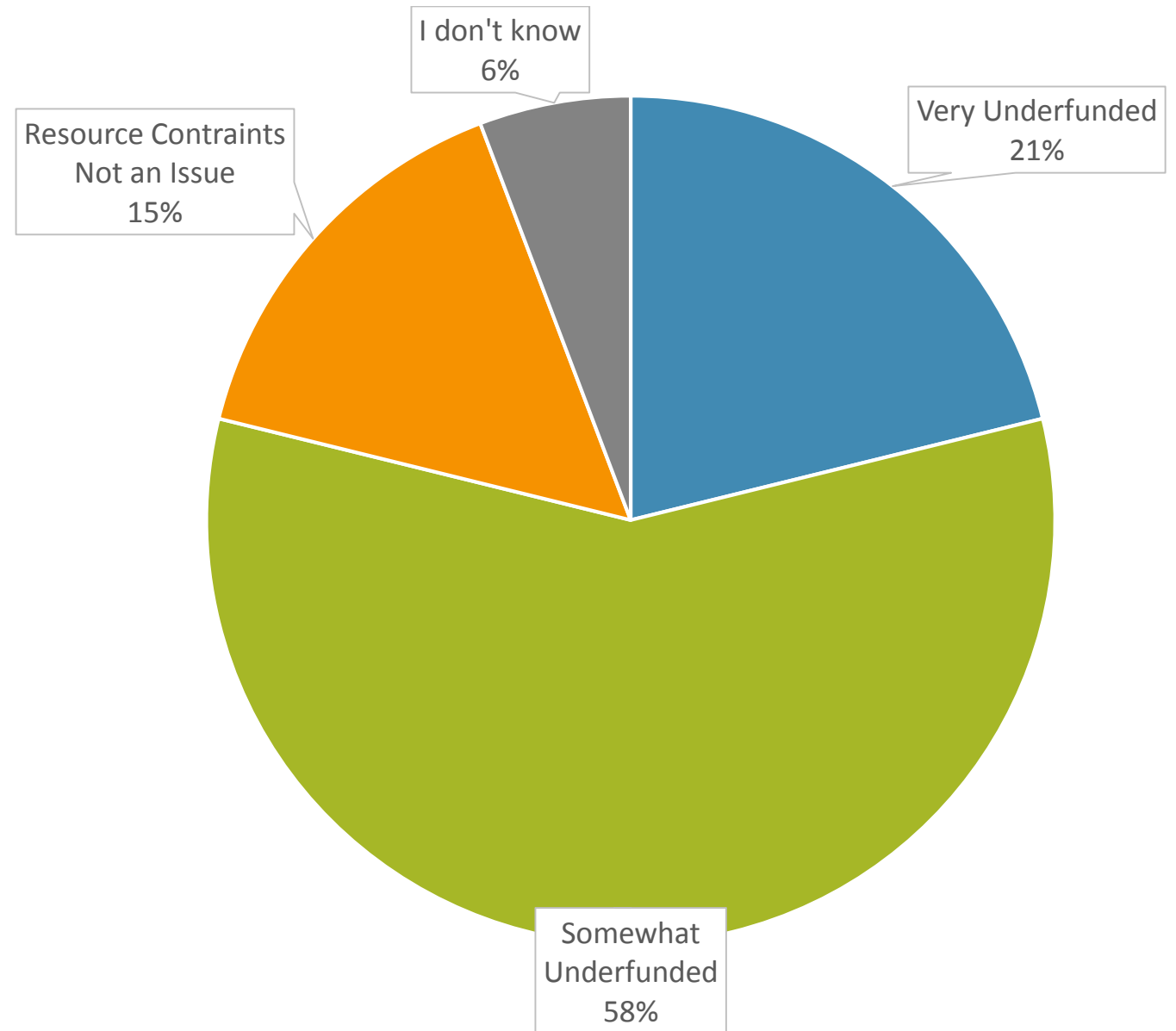
Which of the following activities are done in your permitted area?

Yes No Not sure

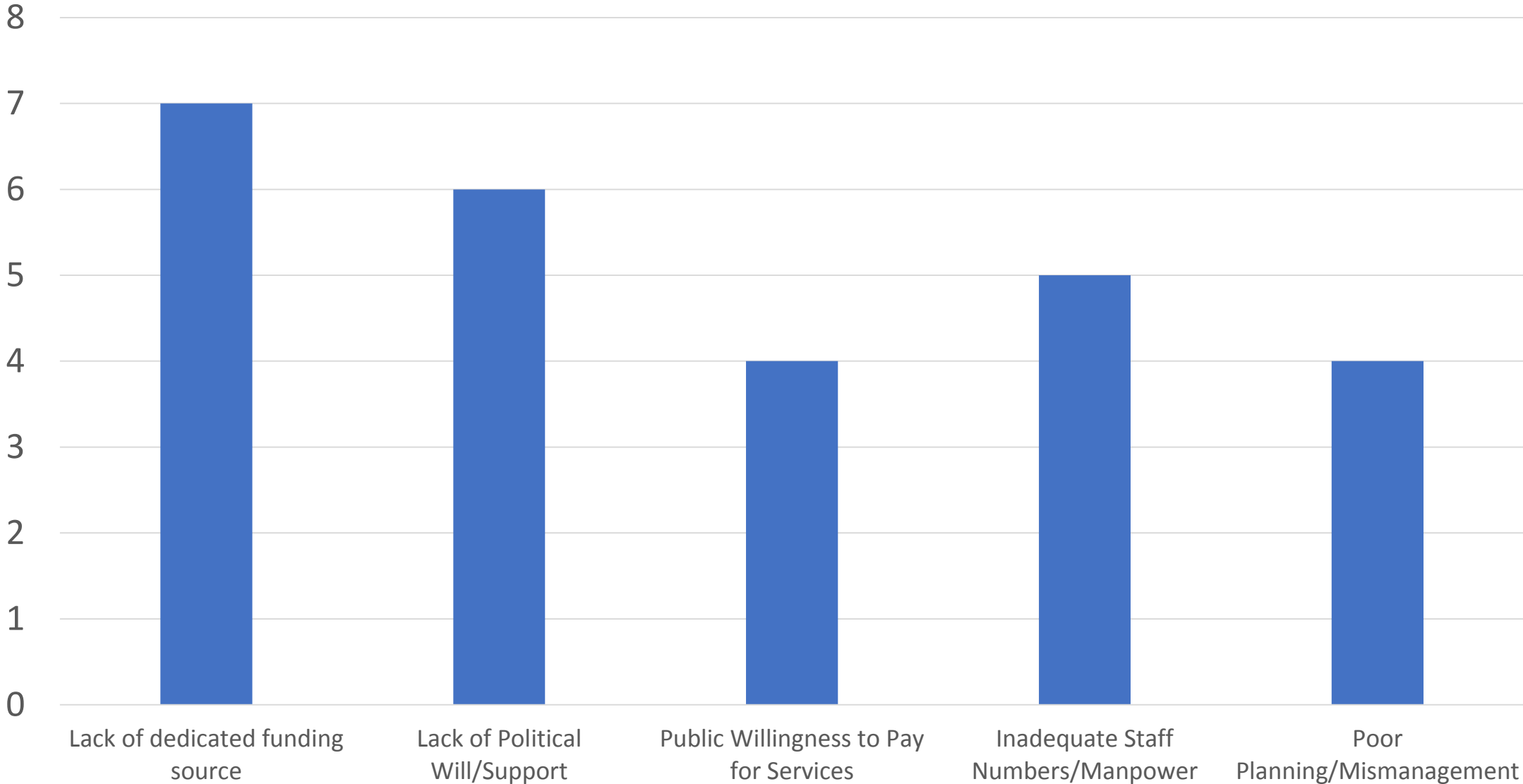


How well are your program's resource needs met? (n=52)

- Staff limitations
- Political will
- Public buy-in



Please tell us a little about what you believe are your biggest obstacles to filling resource gaps:
(34 responses, grouped by theme)



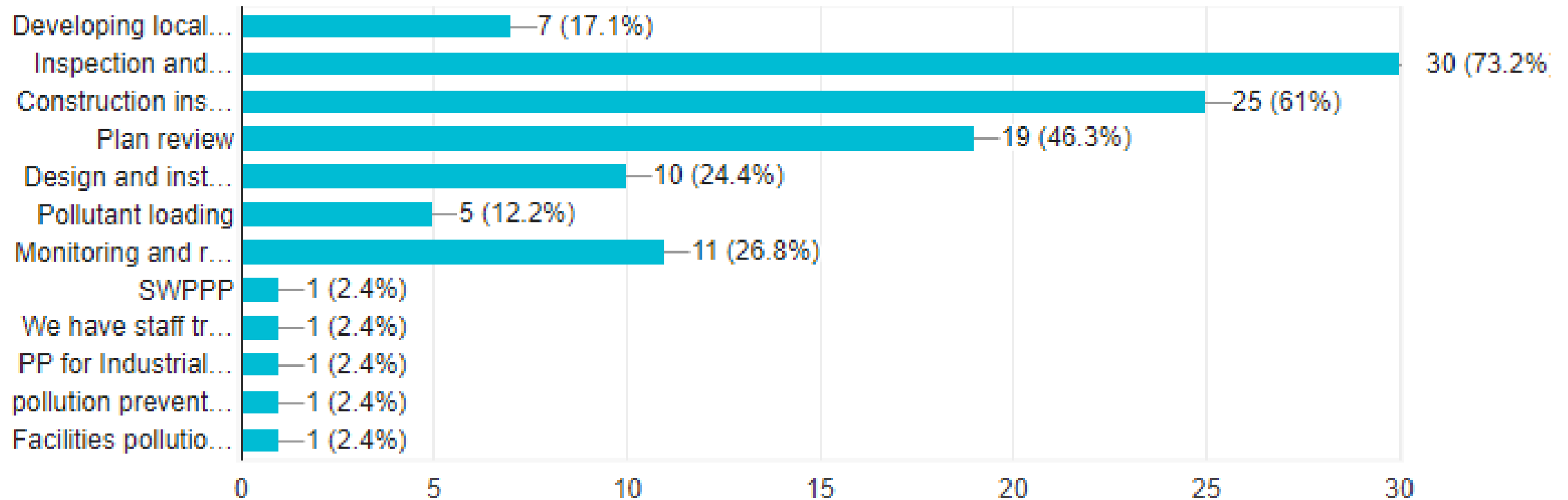
Please tell us a little about what you believe are your biggest obstacles to filling resource gaps (sample responses):

- People do not want to pay for stormwater services, yet they don't like being flooded either. Our stormwater fee also includes the floodwall/levee system and takes about 75% of our budget
- Too many projects for number of staff. Overworked and undertrained staff.
- We need a stormwater utility to have a sustainable source of revenue. It has been in the works since 2009, but has not passed yet.
- Restrictions based on TMDL Sectors. Pollutant reduction funding cannot be directed to the best available projects due to Sector constraints of our MS4 permit. Our regional PRP must reduce pollutants in the urbanized area where the greatest reductions for the least amount of money could be made in the agricultural sector.
- Elected officials do not want to raise stormwater utility fees.
- At this point, funding is less of an issue than just plain old mismanagement at top levels

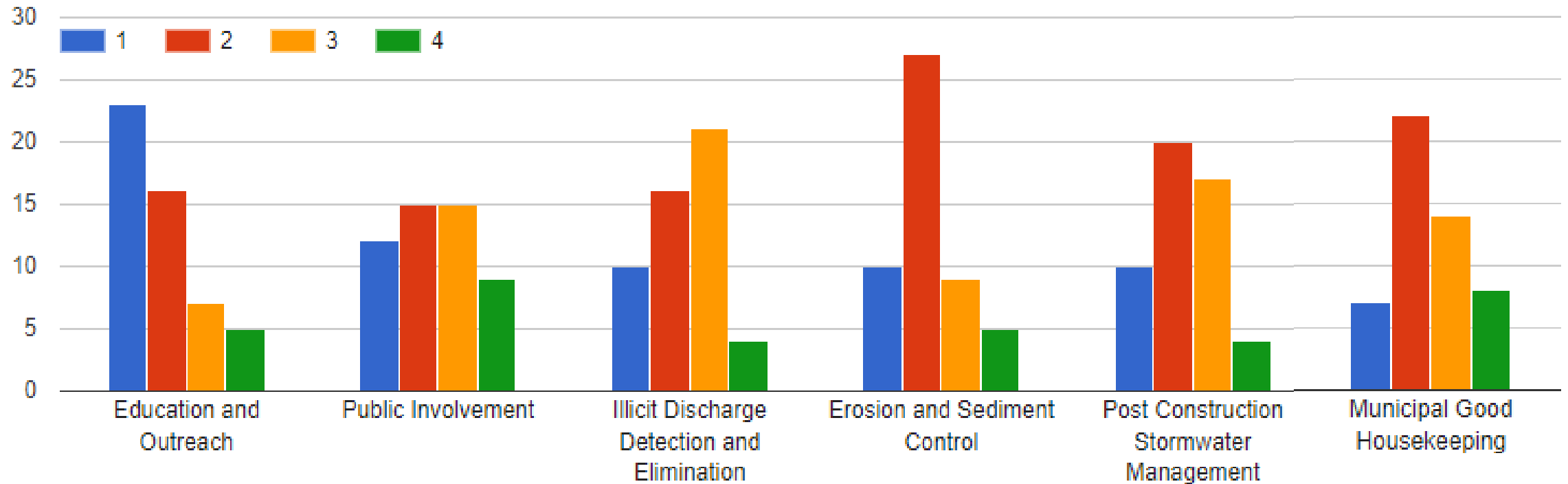
Do you have a specific program to train staff on the following stormwater issues in your MS4 program? Please select all that apply:



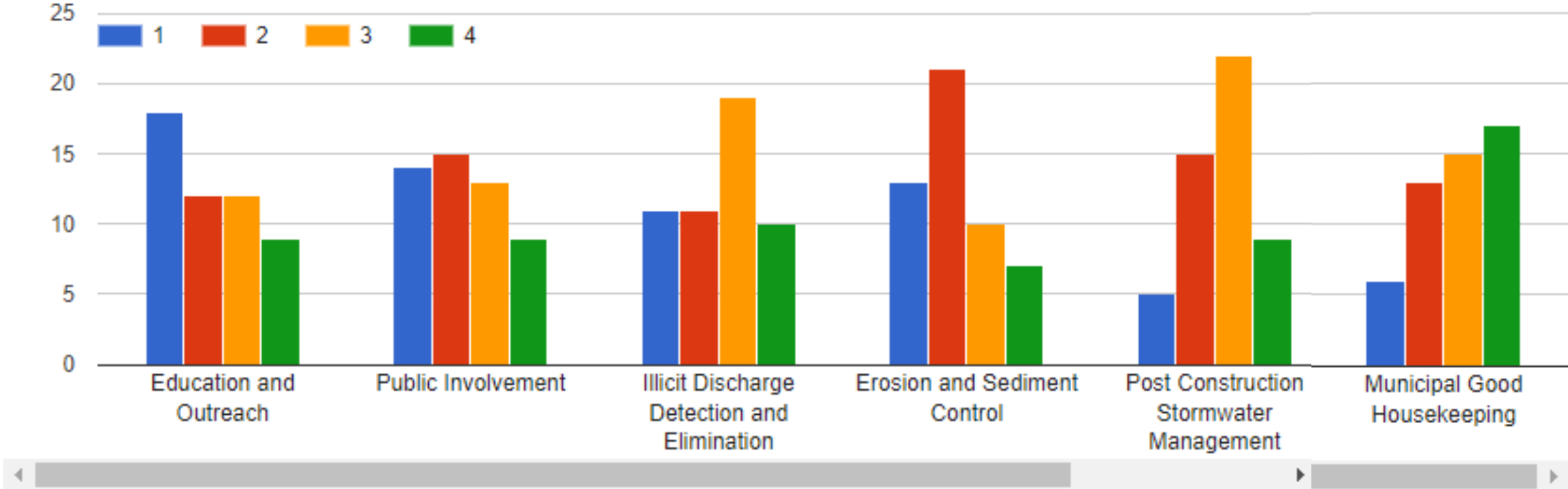
41 responses



Please rate each minimum control measure based on how challenging it is for your community/entity. A "4" represents the most challenging and "1" the least challenging.

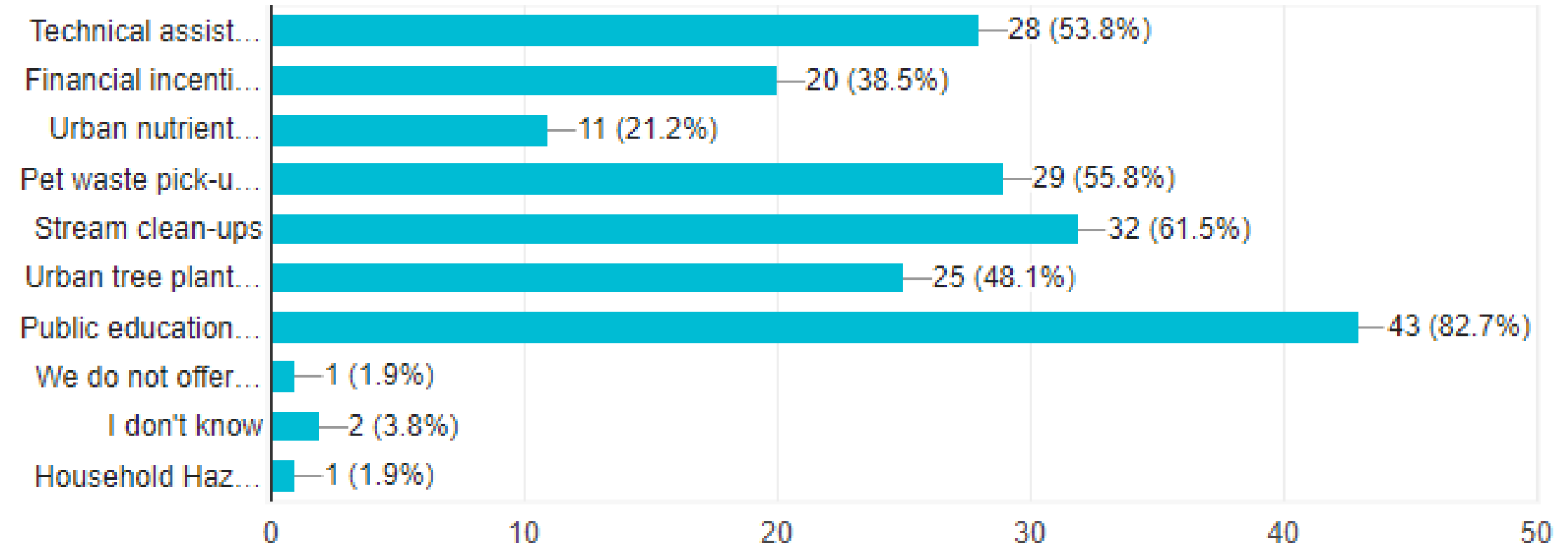


Please rate how strongly you or your staff could use additional training, support or guidance to improve the effectiveness of your efforts under each MCM. A "4" represents the greatest need, and "1" is the least.



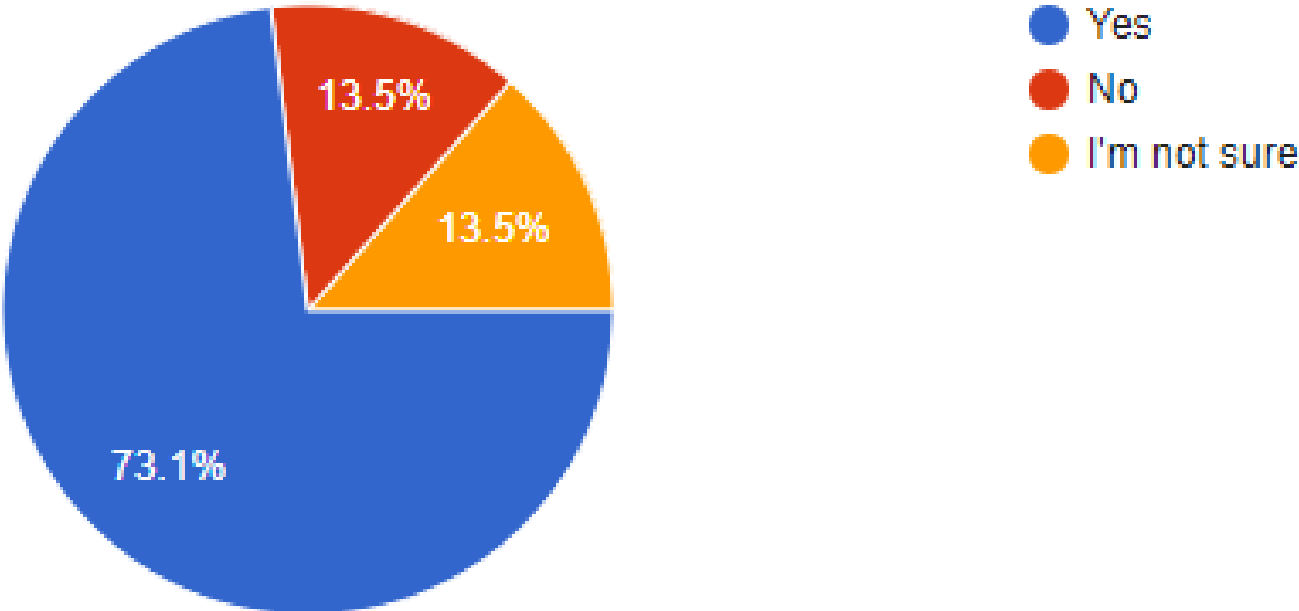
Do you offer any of the following services to the public? Please check all that apply:

52 responses

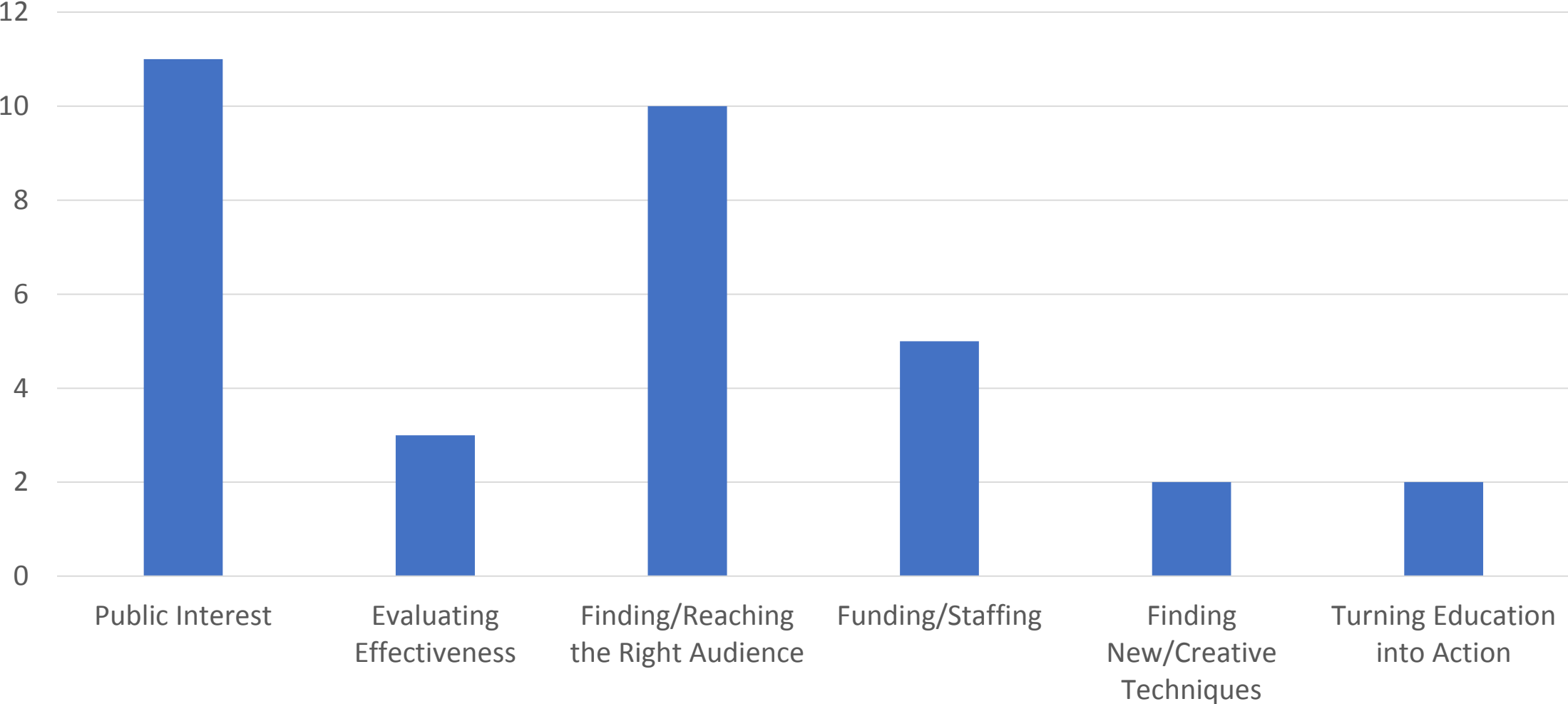


Have you identified and targeted specific audiences within your community to reach out to about stormwater education and involvement?

52 responses



Please tell us in the space below what you feel are the key challenges for your public education and outreach programs (41 responses, grouped by theme):



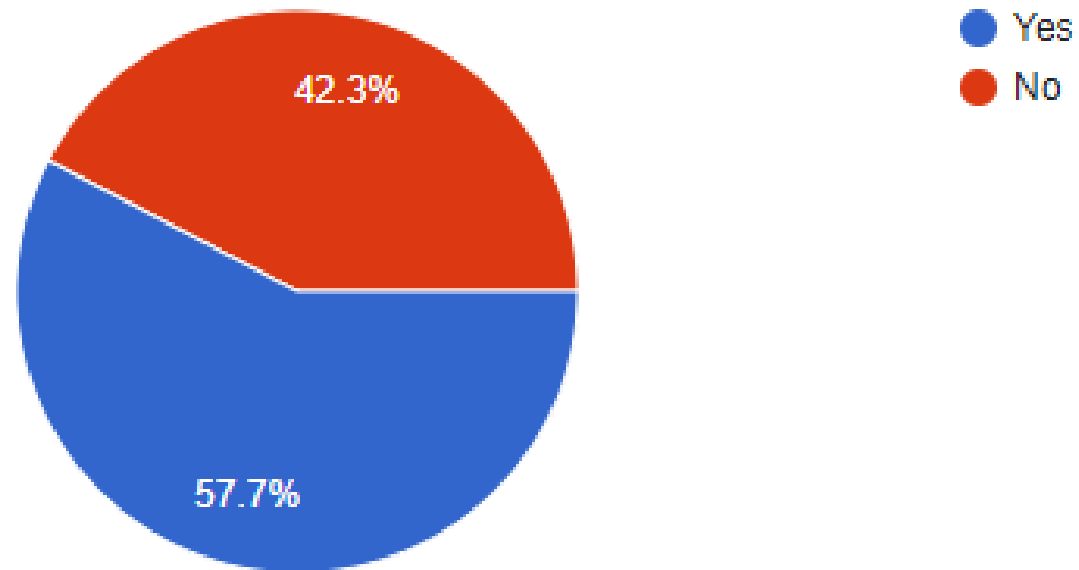
Please tell us in the space below what you feel are the key challenges for your public education and outreach programs (sample responses):

- Reaching those that need the information the most but are the least interested
- Reaching beyond the choir
- Finding new and creative methods to inform.
- Lack of staff, poor website, need for education and outreach framework plan
- Evaluating the effectiveness of the programs
- Translating education to action.
- People are ambivalent about the need to improve water quality

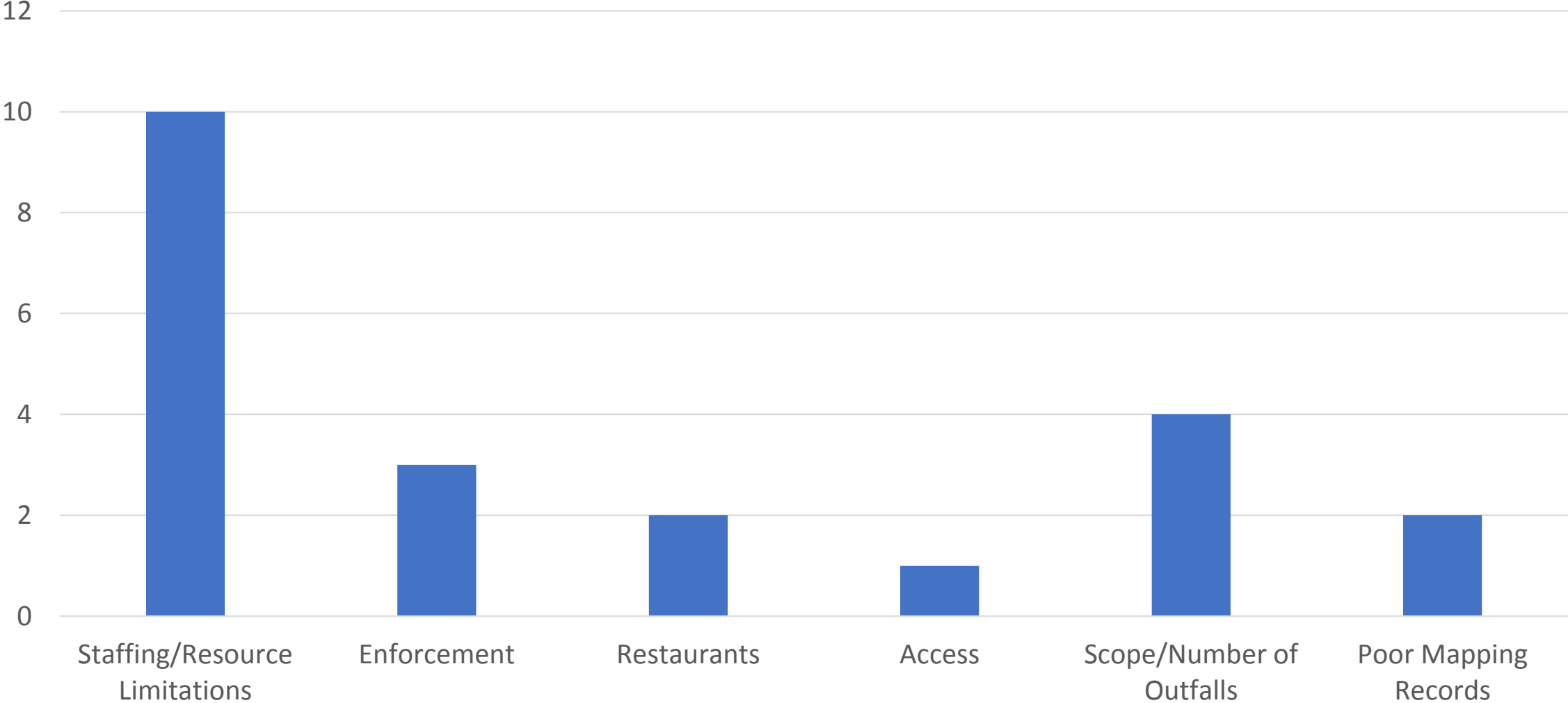
Are you aware of the Bay TMDL nutrient reduction credit for the IDDE minimum control measure (Elimination of Discovered Nutrient Discharges from Gray Infrastructure)?



52 responses



Please tell us in the space below what you feel are the key challenges for your IDDE programs (41 responses, grouped by theme):

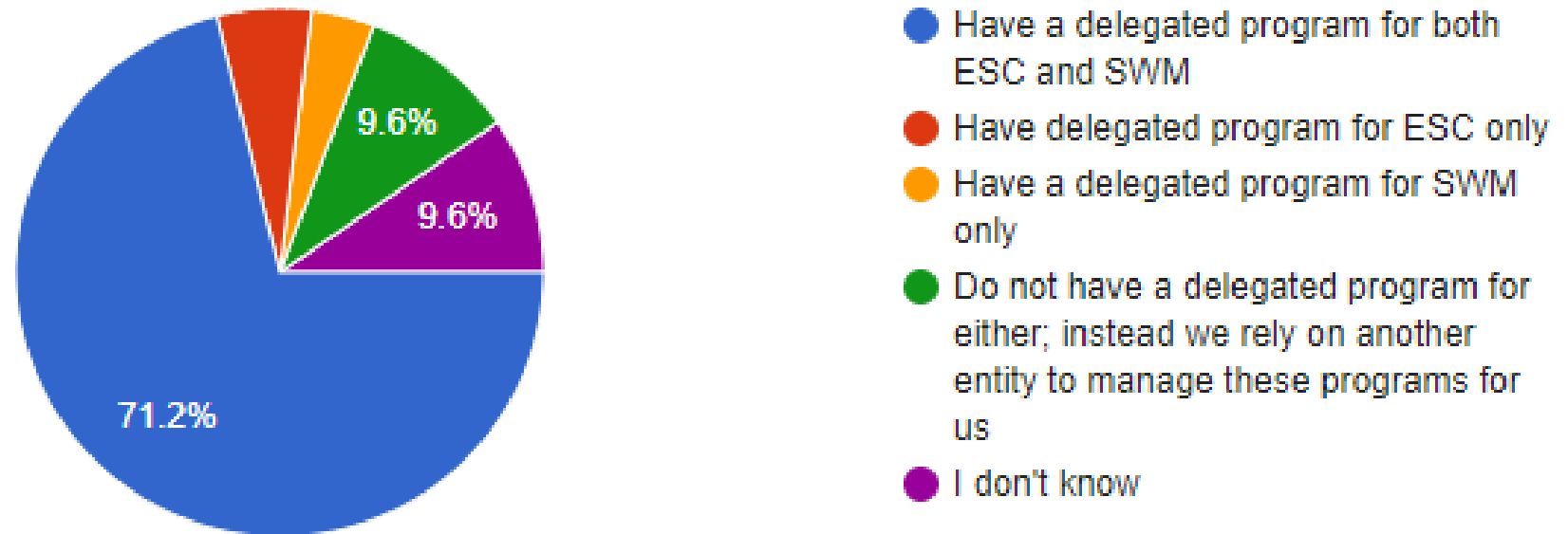


Please tell us in the space below what you feel are the key challenges for your IDDE programs (sample responses):

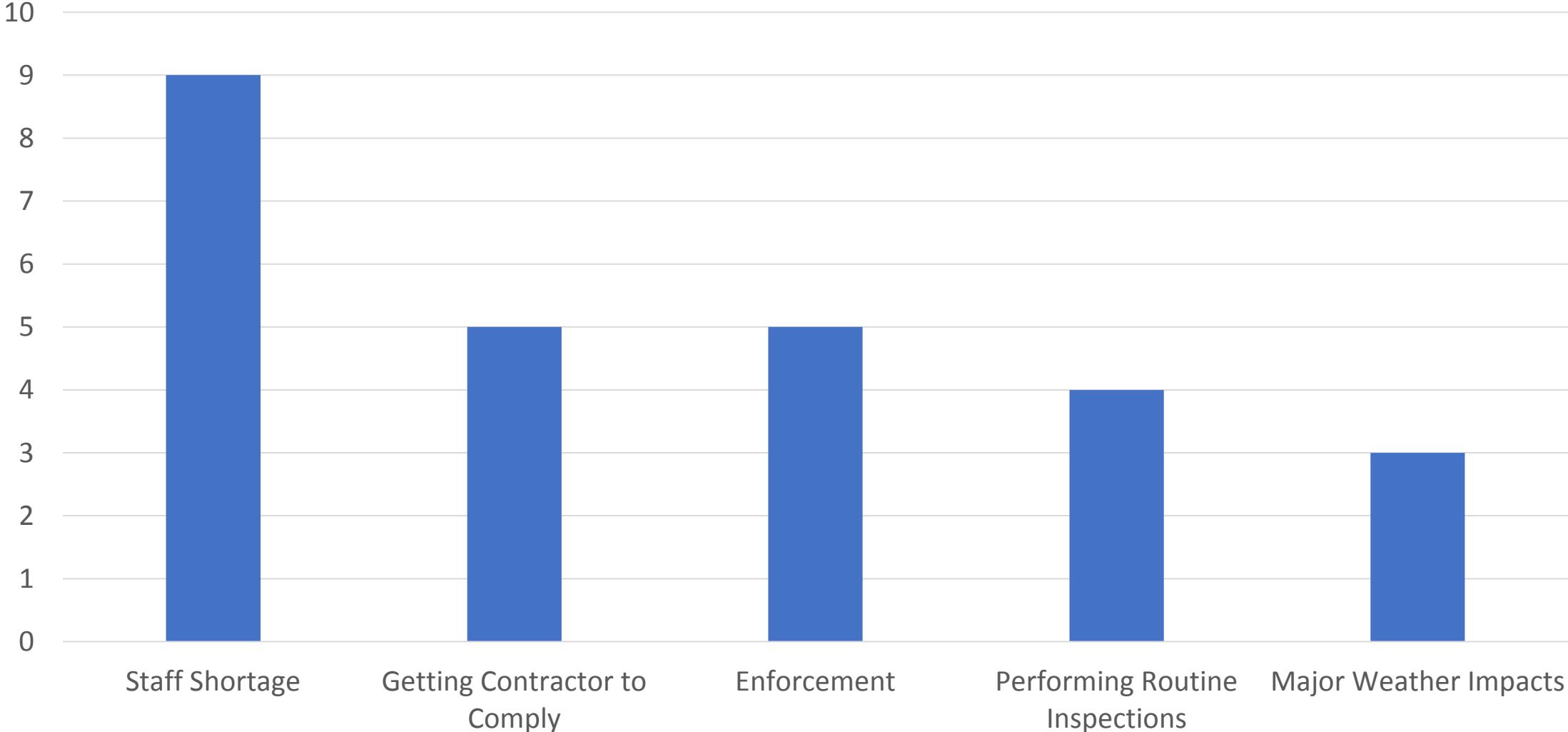
- Having the time and personnel to provide proper inspection and monitoring
- Restaurants - grease, employee turnover after training done, and non-english speaking communication issues
- The majority of our system is combined sewer in the urbanized area. There are few outfalls that are storm sewers only. We are a very rural community by nature so all other "outfalls" are simply roadside ditches outletting to streams. In all the years of outfall inspections we have only found a handful of illicit discharges. Most of them being illegal dumping.
- Not having a good base map of existing stormwater conveyance infrastructure.
- Potentially there are existing direct discharges to streams from private property - we don't have access in many cases. Commercial / Industrial that discharge to storm drains are much easier to monitor/inspect.
- Labs for testing, general knowledge on recognizing/identifying specific pollutants
- The behavior of third parties over whom we have no direct control; requirement for dry weather screening of outfalls that yields no substantive results

Does your MS4 have a delegated program for erosion and sediment control (ESC) and Stormwater Management (SWM) or do you rely on another entity to do this for you? Please select the option that best describes your program:

52 responses



Please tell us in the space below what you feel are the key challenges for your ESC programs (41 responses, grouped by theme):



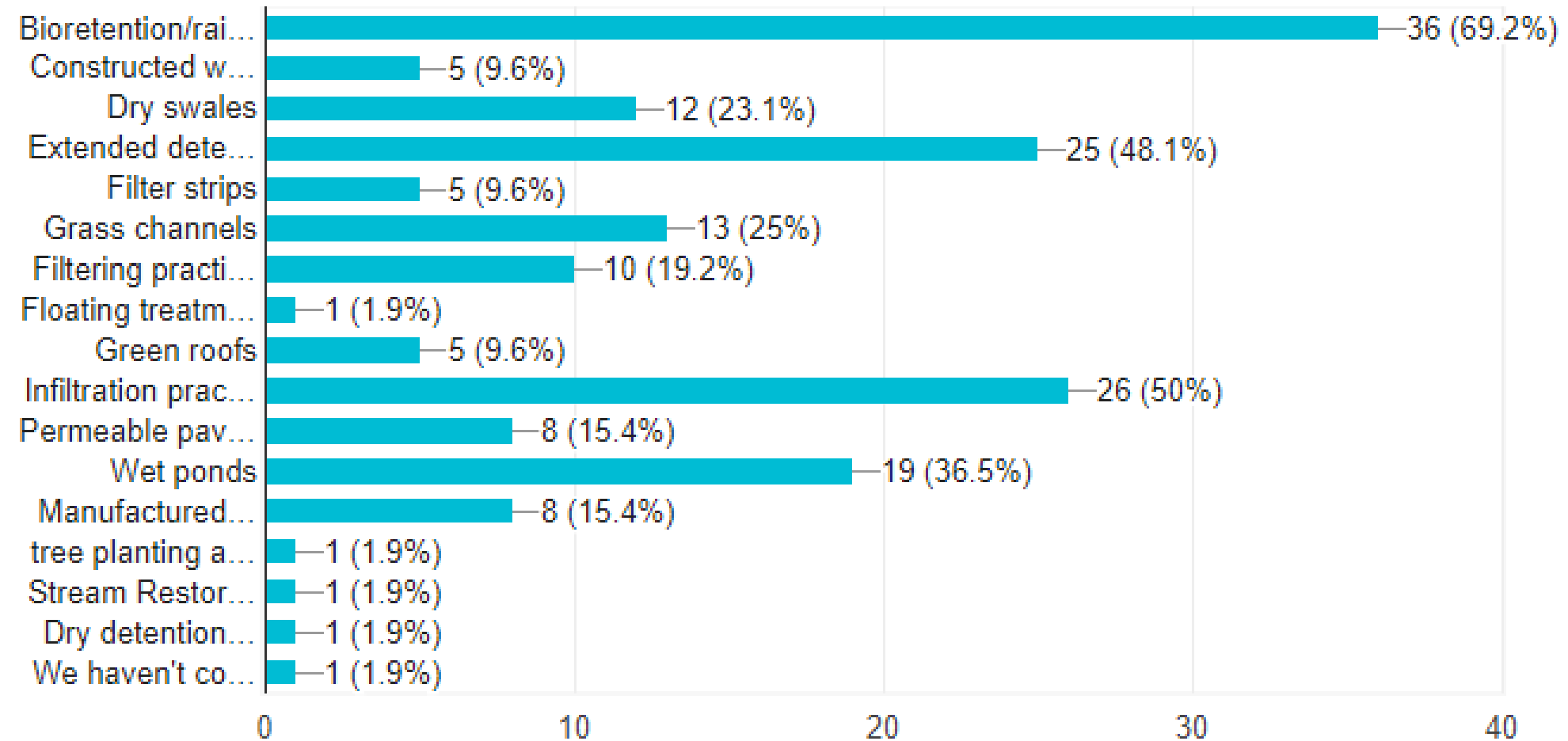
Please tell us in the space below what you feel are the key challenges for your ESC programs (sample responses):

- Availability of delegated personnel to conduct timely inspections
- Ensuring construction site operators implement E&S plans; conducting inspections at the rates required by permit/state code
- Developer and Designer understanding of the process. There is a lot of political pressure to rubberstamp the review process.
- Responses/inspections due to major weather impacts
- Lack of ability to assess low level monetary fine for minor infractions, we basically have stop work or civil penalty at \$1000/day that accumulates. Need something less harsh that will produce performance improvement by permittees.
- The biggest challenge is getting the contractor to comply.
- The program manager often doesn't enforce the findings of the inspectors, so the inspectors see no point to performing their duties well.

Which of the following practices are most widely used by your community/entity? Please select your top 3:

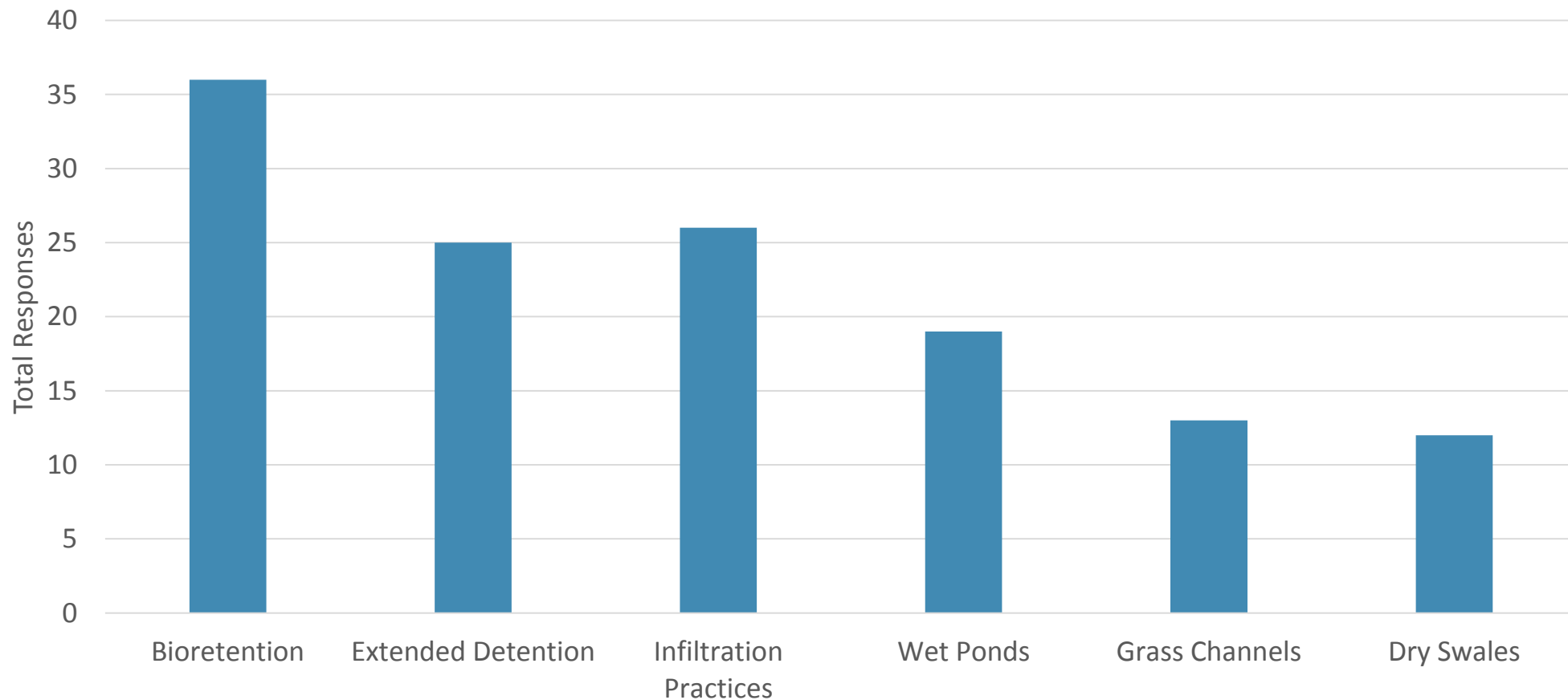


52 responses

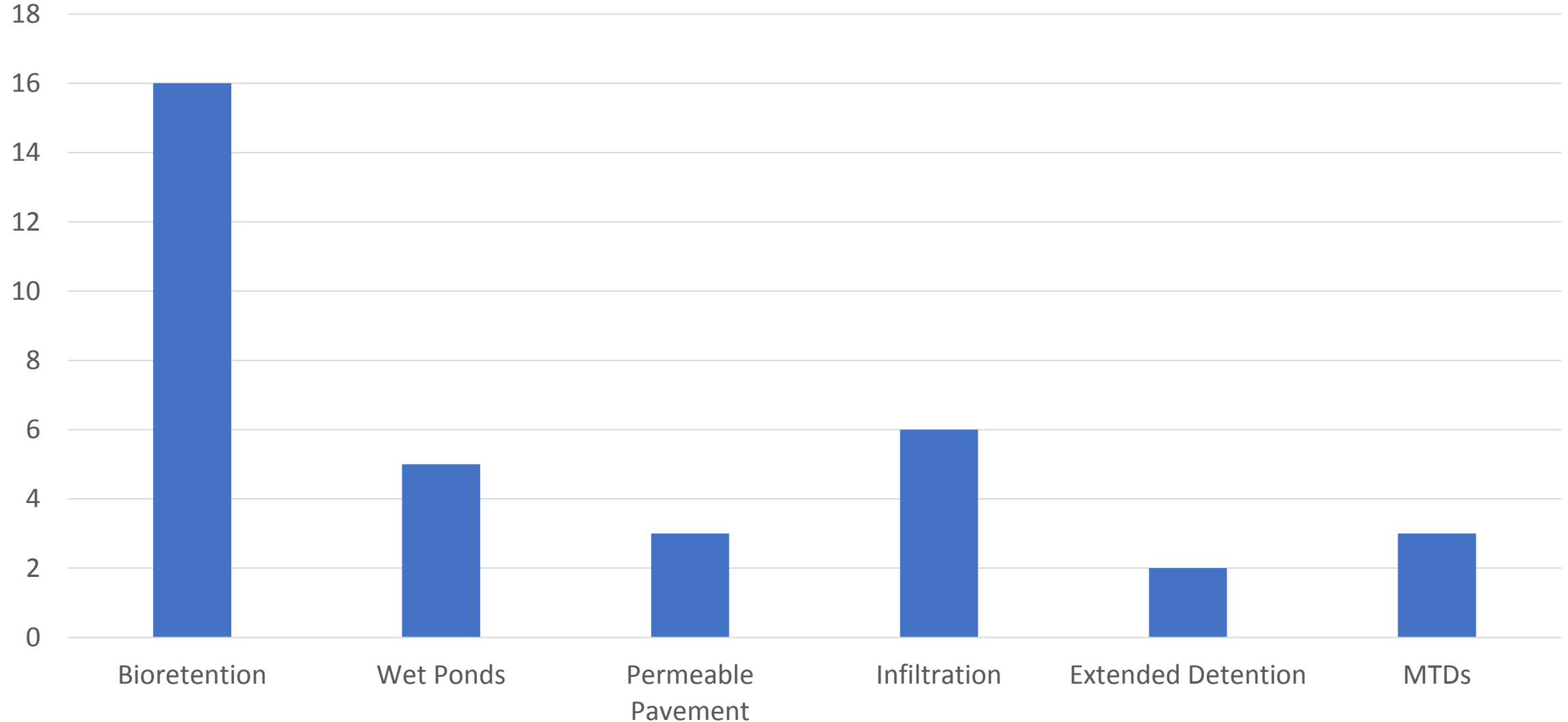


BMPs (a closer look)

- Which of the following practices are most widely used by your community/entity? Top responses:

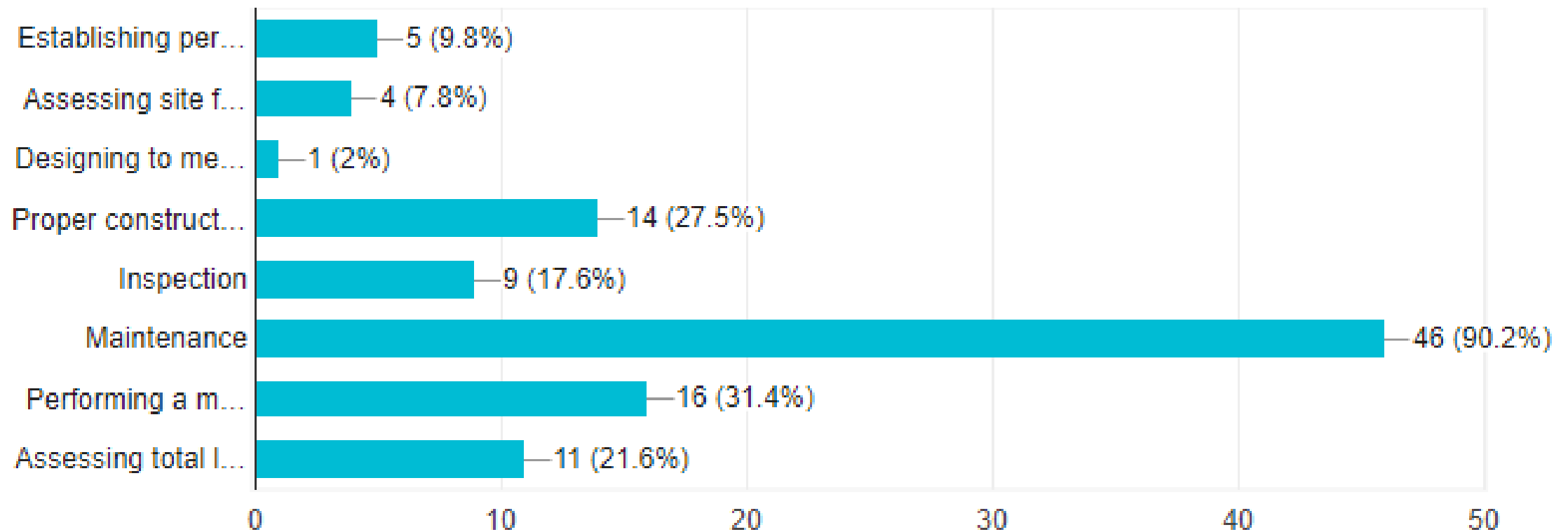


Of the three practices you selected in the previous question, which ones create the most problems for you over time? Please briefly describe those most common problems associated with the practice(s) you selected (44 responses, grouped)



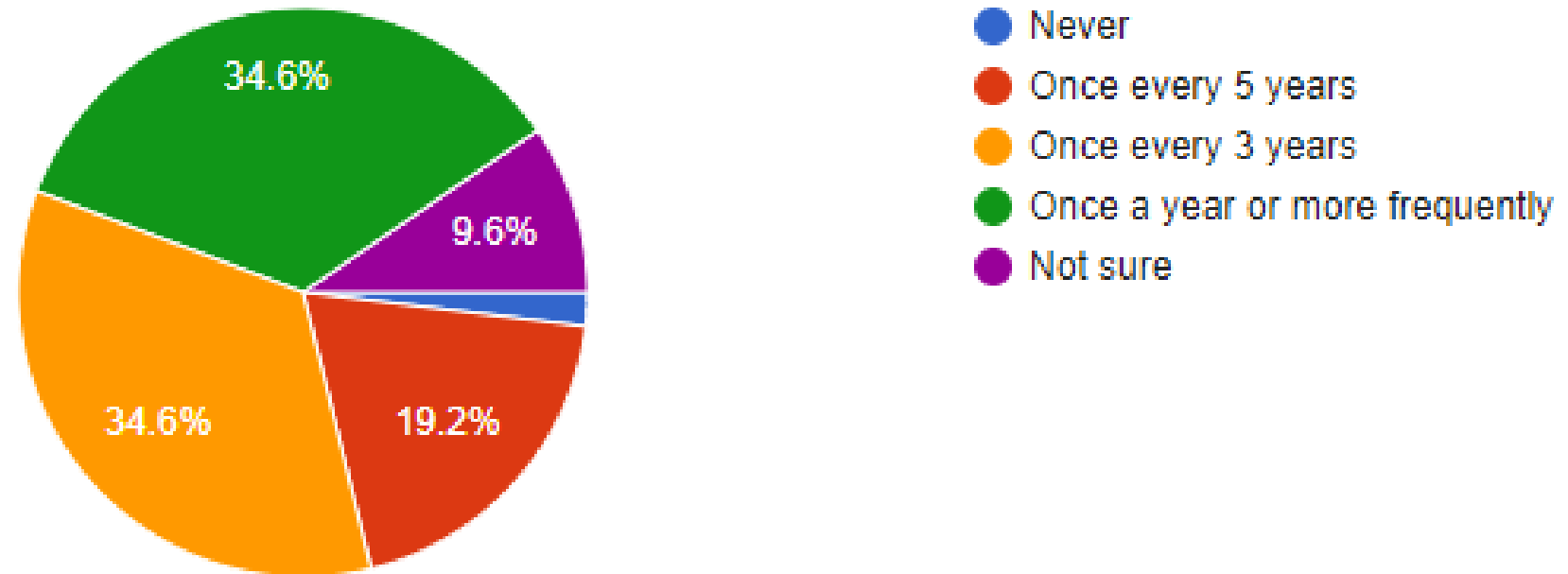
Which of the following do you find to be the most problematic element of the BMP life-cycle? Please select up to two:

51 responses



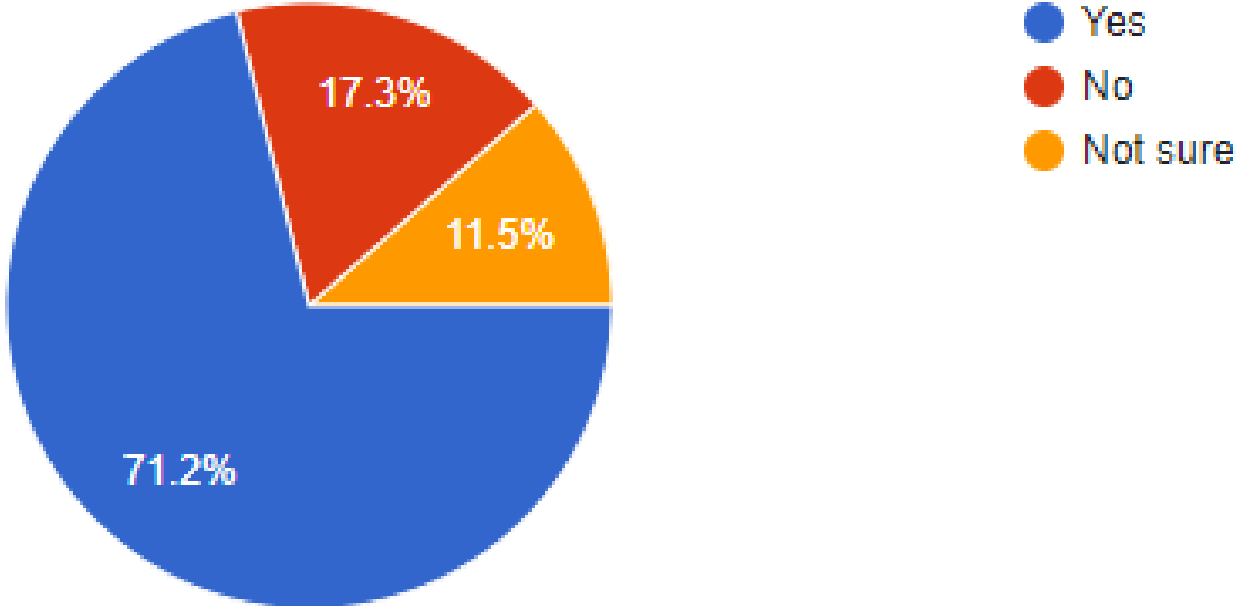
How frequently do your staff inspect BMPs?

52 responses



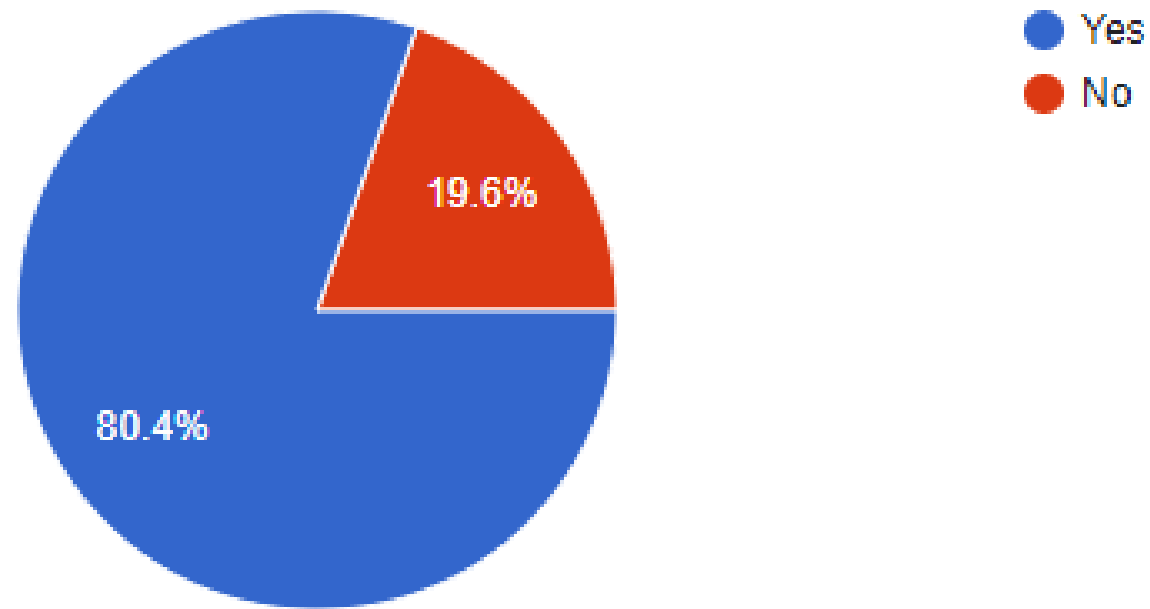
Do you use and enforce maintenance agreements in your permitted area?

52 responses



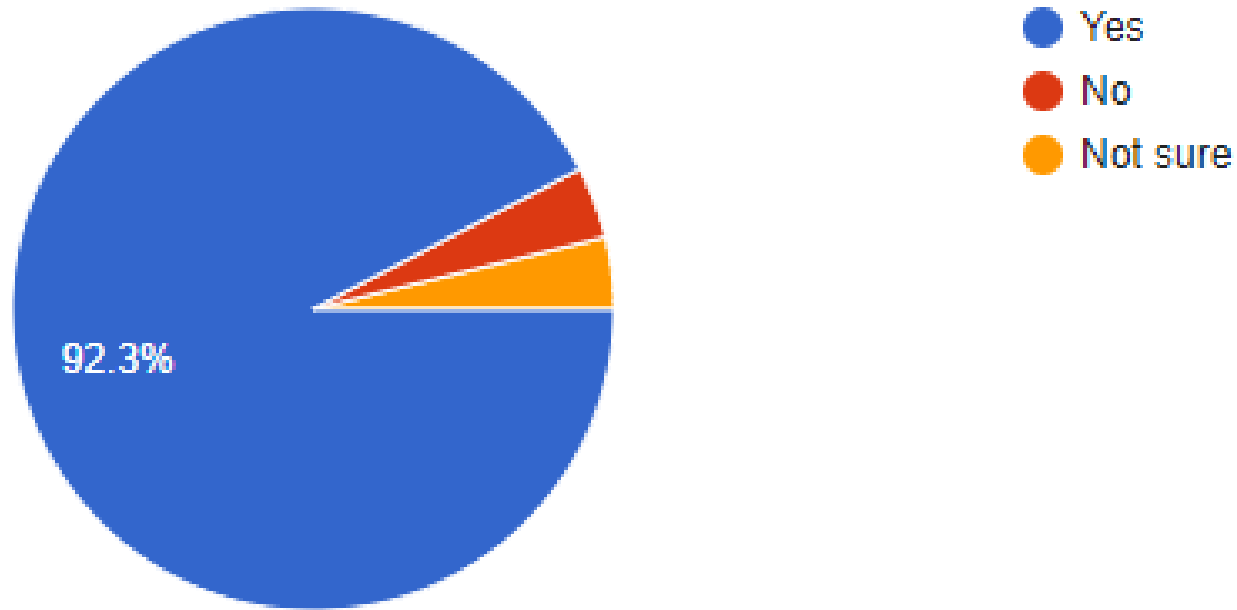
Are you aware of the verification requirements for urban stormwater BMPs mandated by your state under the Chesapeake Bay Program?

51 responses



Do you have a system to keep track of the installation, geographic location or maintenance condition of your stormwater BMPs?

52 responses

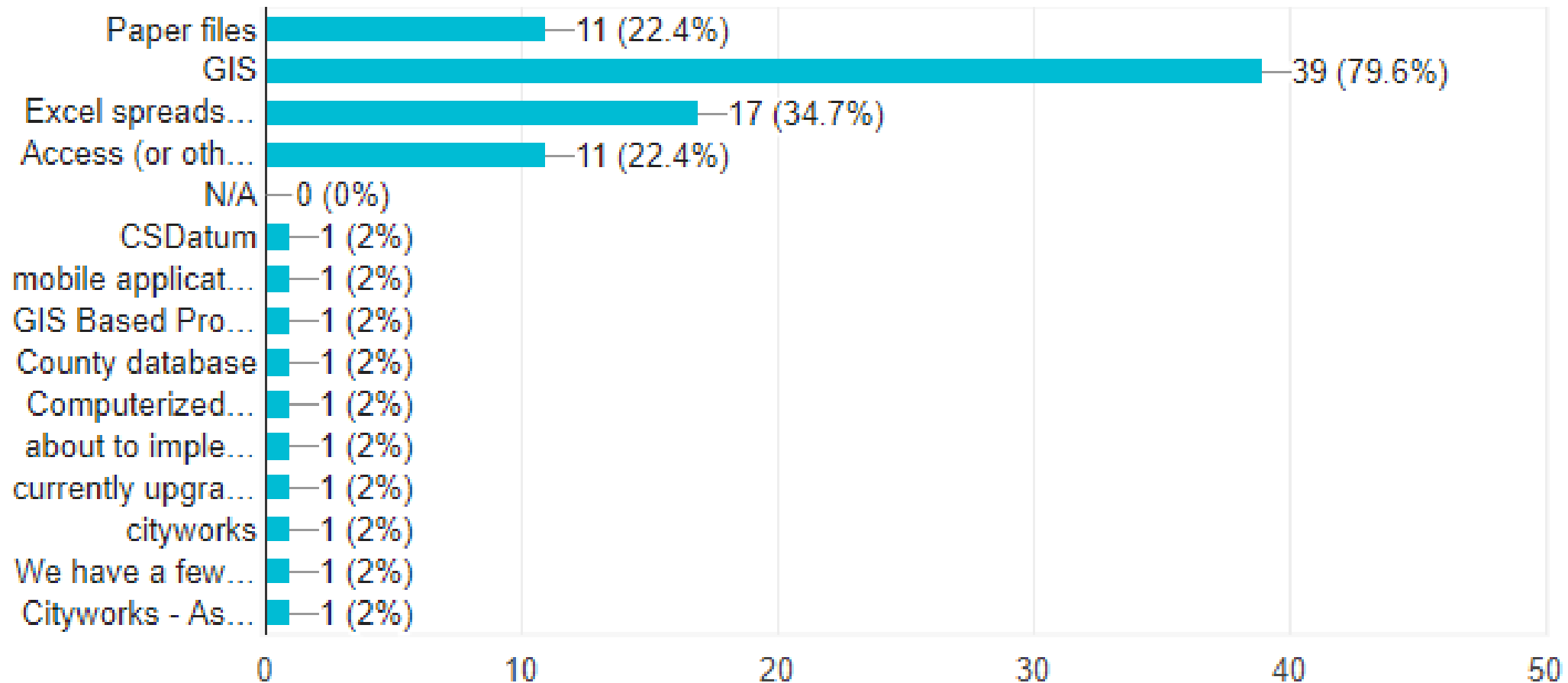


If you do have a tracking system, what sort of system do you use?



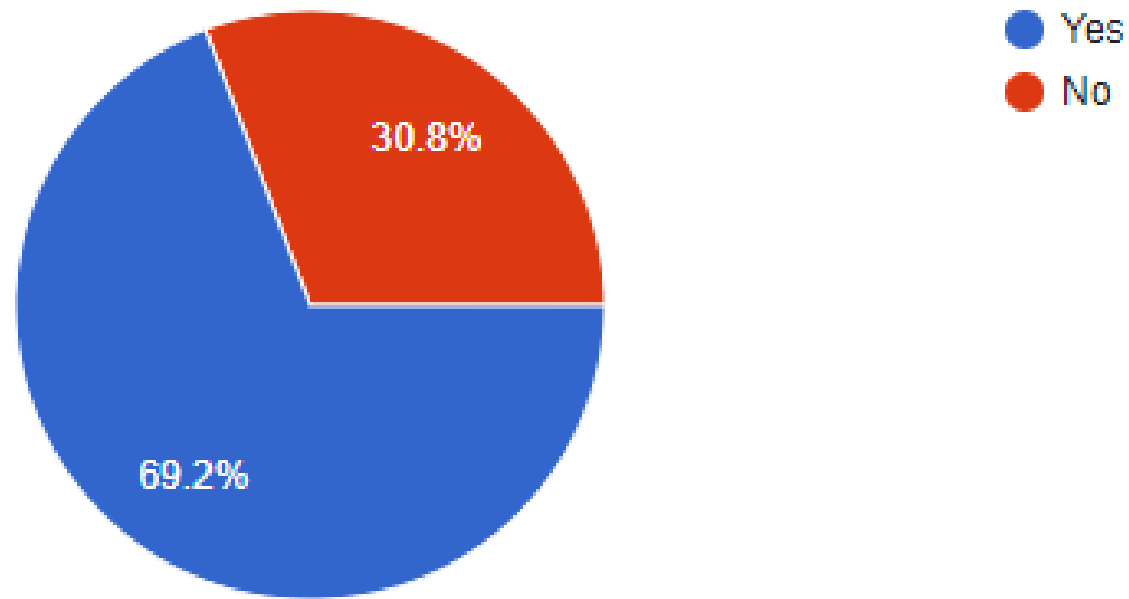
Check all that apply:

49 responses

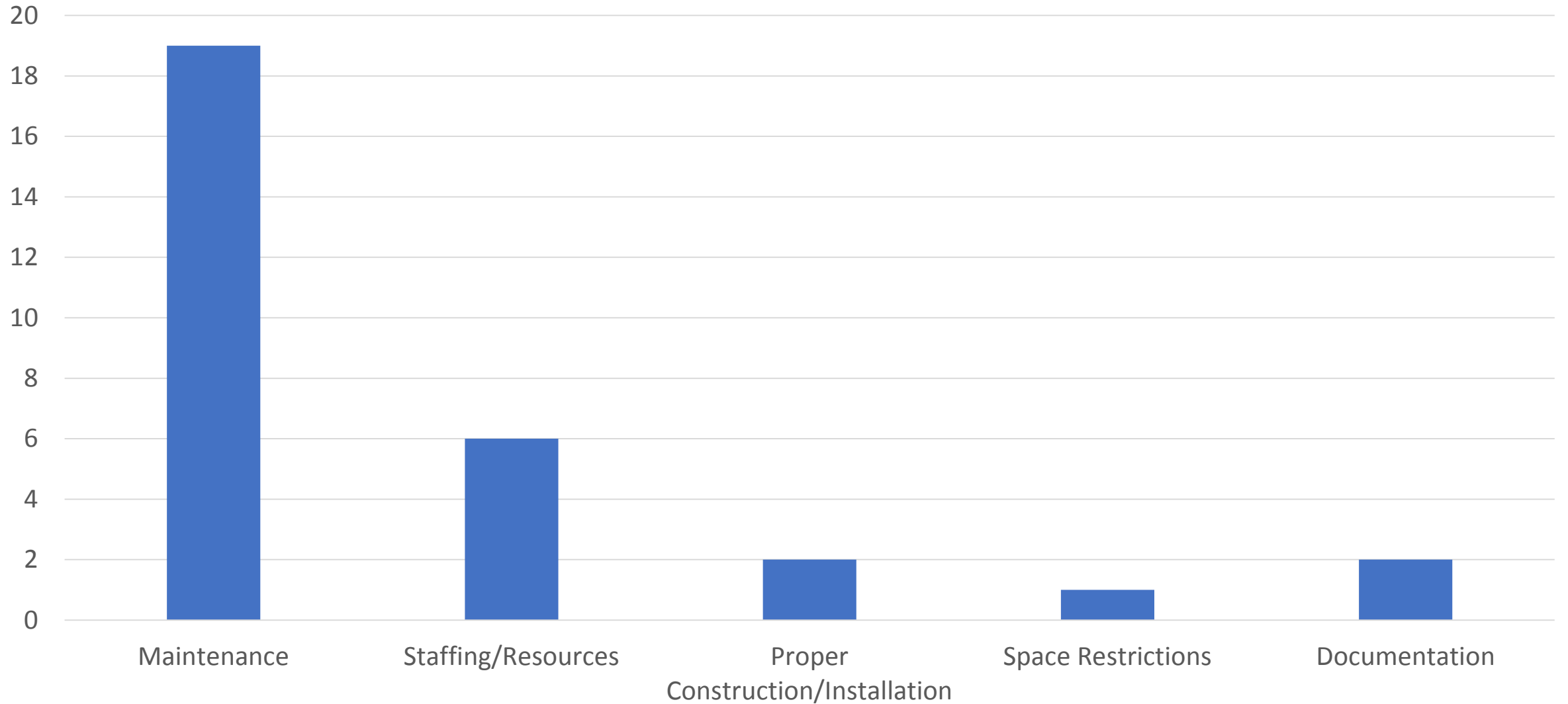


Are you aware of the approved Bay Pollution Credits for New Stormwater Practices and Retrofits?

52 responses



Please tell us in the space below what you feel are in meeting this minimum control measure (post construction runoff controls). 33 responses, grouped by theme:



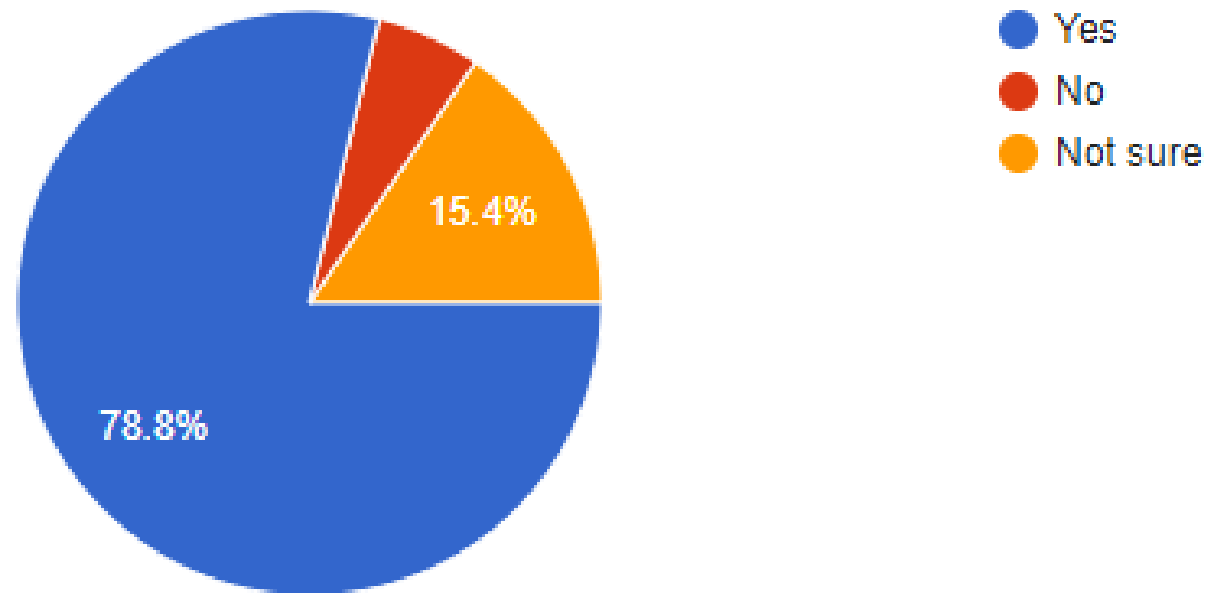
Please tell us in the space below what you feel are in meeting this minimum control measure (post construction runoff controls). Sample responses:

- Maintenance, and educating individual homeowners of their ownership and maintenance requirements. Also, enforcing O&M and performing PCSWM inspections is still new for our area, telling property owners that they must now fix something we allowed to deteriorate for decades.
- Ensuring practices are constructed properly and long term O&M
- Old BMPs with no maintenance agreement
- Enforcement of maintenance agreements and older BMPs that have no maintenance agreements
- Getting maintenance staff to tackle small items routinely to prevent the bigger maintenance issues
- Space for controls in highly developed urban area.
- As we construct more & more small ESD practices, we will be unable to physically inspect each one every three years. Also maintaining the database will take more resources just to input & update the information.
- Lack of resources/staff

Do you have an inventory of your public facilities that require pollution prevention plans?

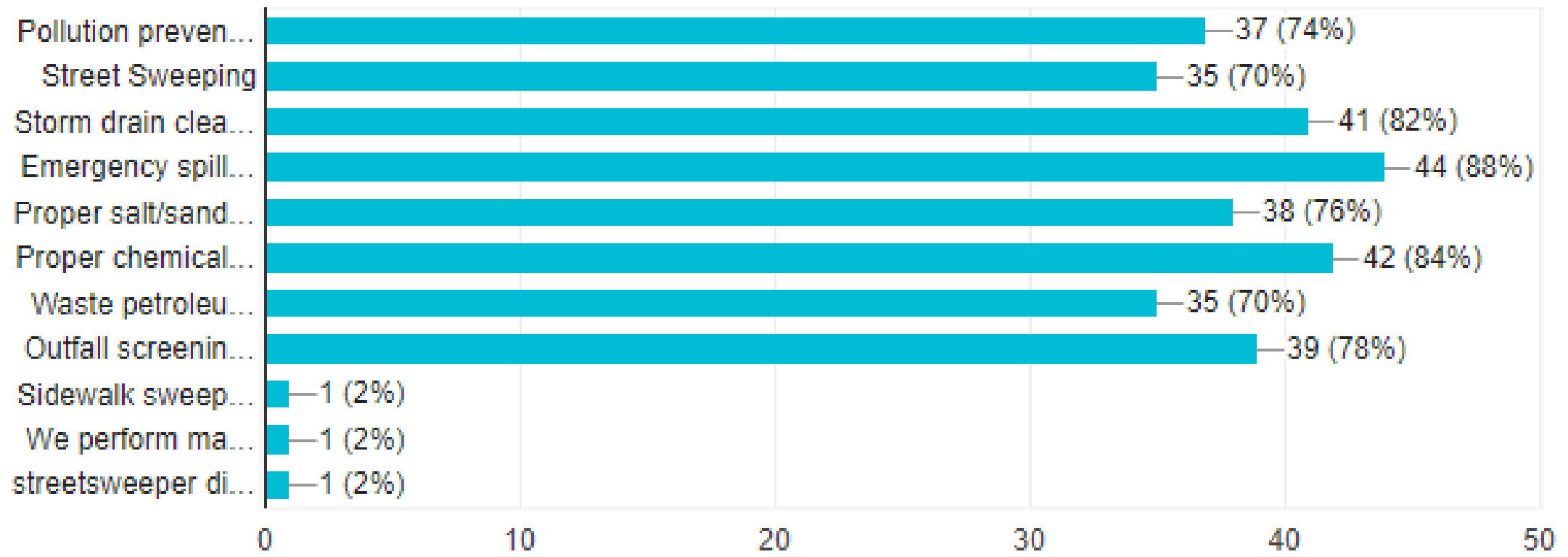


52 responses

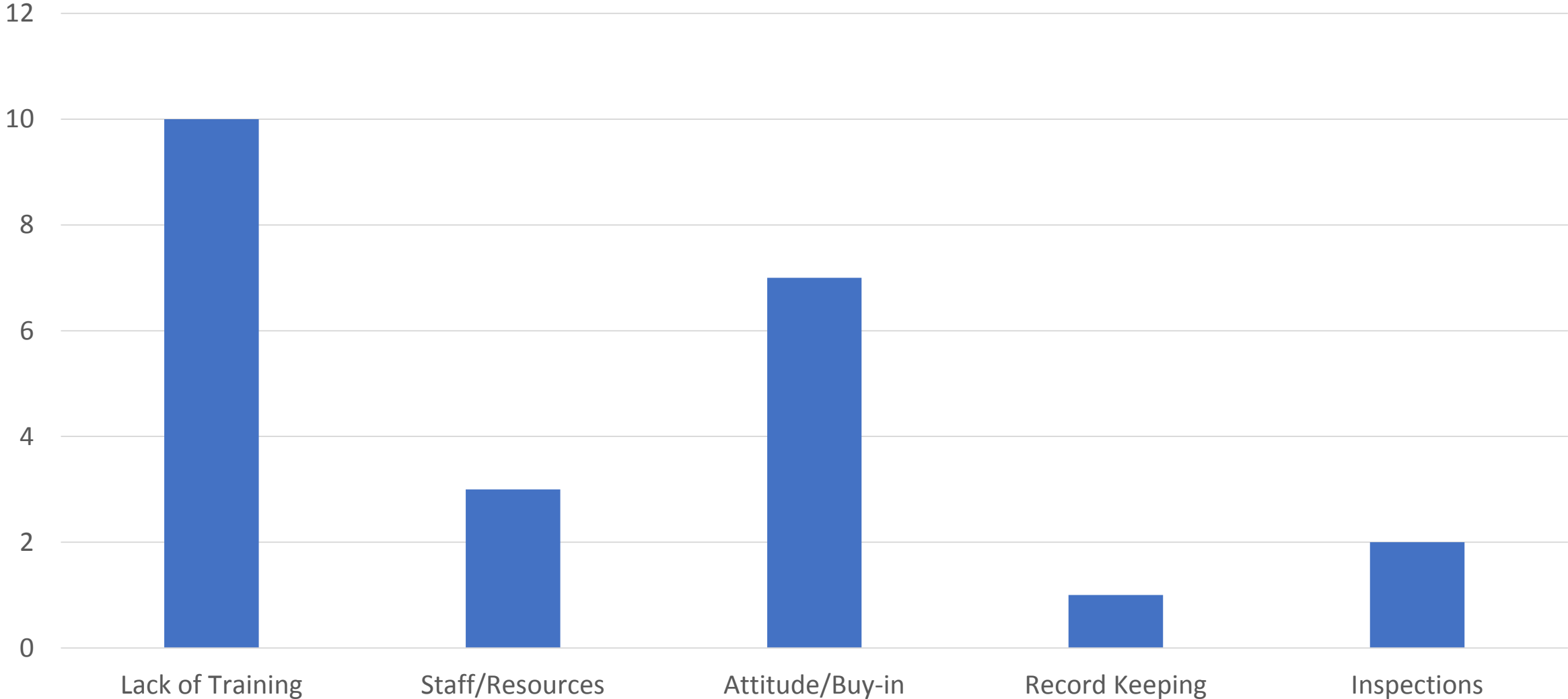


Which of the following elements do you perform for Pollution Prevention and Good Housekeeping? Check all that apply:

50 responses



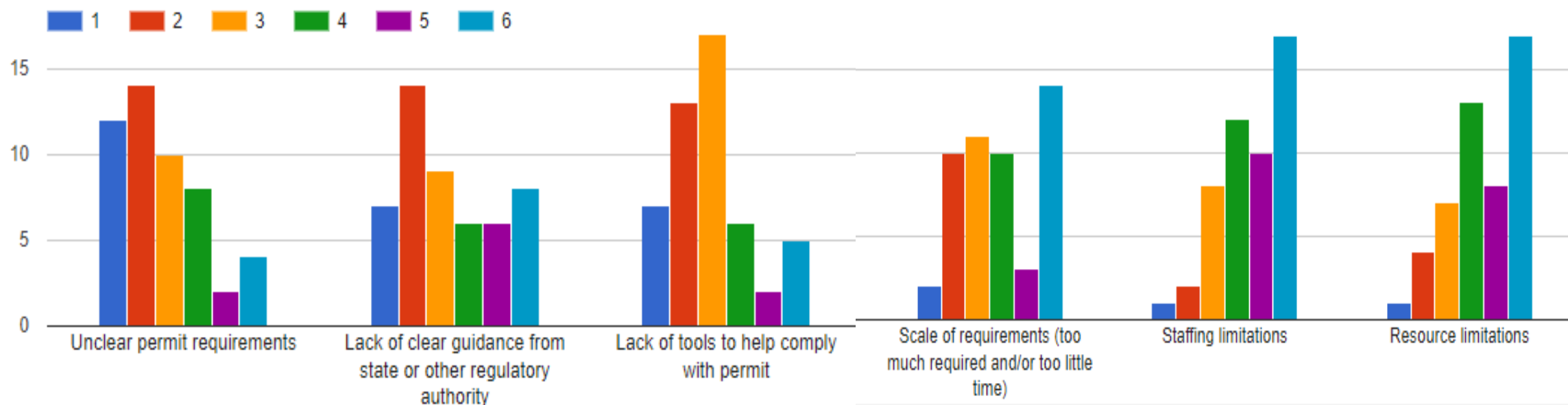
Please tell us in the space below what you feel are in meeting this minimum control measure (pollution prevention and good housekeeping on municipal public works yards). 37 responses, grouped by theme:



Please tell us in the space below what you feel are in meeting this minimum control measure (pollution prevention and good housekeeping on municipal public works yards). Sample responses:

- Our public works is generally accepting and willing to fulfill MCM6, but some 'back-in-the-day' mentality still persists. It is also difficult to have stringent requirements of our crews when adjacent PWs, or State crews do not.
- Being sure that bi-weekly inspections are performed.
- The key challenge is that there is no guidance in our state for what the minimum pollution prevention is. There is no sample plan. So everyone is making up what they believe it to be. Its a very blind leading the blind situation.
- Changing attitude of "out of sight, out of mind."
- Training of staff.
- Some facilities (police and fire) can be hard to get to understand why we need to do this
- Recordkeeping on site - usually an additional & secondary duty for someone already working on the site, many times with no administrative staff on site to assist.

What are your greatest challenges in complying with your MS4 permit?
Please rank them 1-6 with "6" being the greatest challenge and "1" the least.



Are you affected by the Phase III Watershed Implementation Plans (WIPs)? If so, what training or support needs do you have in the development of the WIP? Please tell us below: (28 responses)

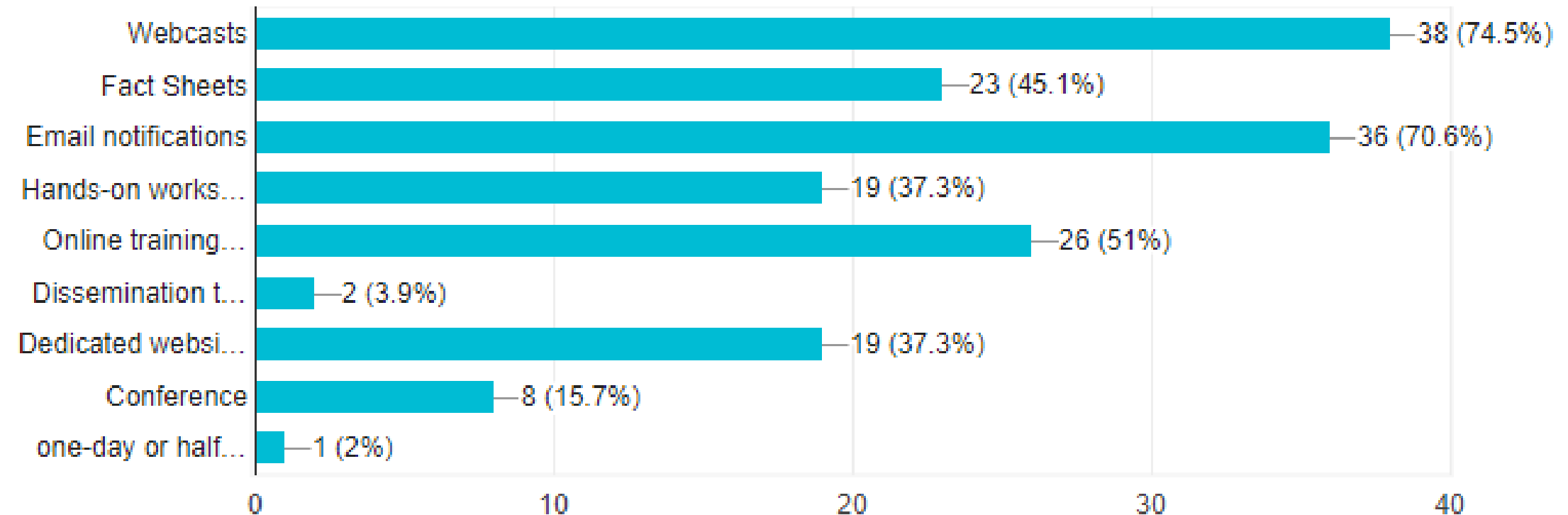
No one is sure yet what their needs are. Sample Responses:

- Yes, webinar training, in class training or at least guidance manuals or info on how to meet these requirements and to development a program to meet and complete the requirements.
- WIP III development needs to include the appropriate people in order for success!
- Don't know yet... but will resist transfer of obligations to local govt level - state must step up and do their part with their agencies
- We provide some inputs & coordination with the Planning Department, but our program is driven by the MS4 permit.
- “Not sure” – 9 responses

What is the most effective means for CSN to communicate news and updates on the Chesapeake Bay Program and MS4 Permit issues? Please select your top 3:



51 responses



Please feel free to provide additional comments or capacity needs:

- Access, knowledge, availability of larger funding sources, and public-private partnership sources. Technical Assistance in financing and funding projects and programs at different scales.
- You need to do more education on mosquito control
- Our MS4 is small being a County in PA. Our commitment to help our municipal MS4s (regional efforts) is huge! The current process in PA of meeting Ch. Bay TMDL obligations hinders regionalization efforts. Encouragement for regionalization for PA efforts is the only pathway to restoring our local impaired streams as individual municipalities do not have authority over enough of our watershed acres.
- Workshops in central Pa,