

The world is changing



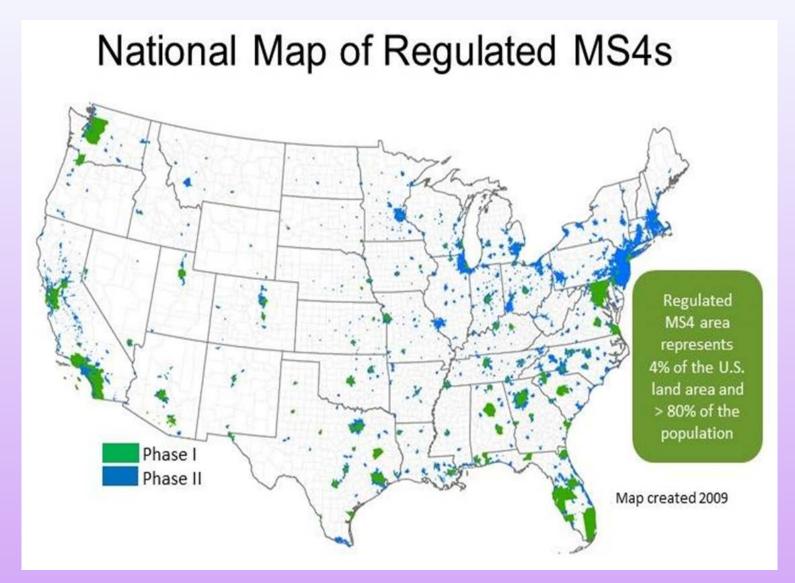
https://www.washingtonian.com/2020/09/10/there-is-some-terrifying-flooding-on-washington-streets-right-now/



https://www.nbcwashington.com/weather/flash-flood-closures-dc-maryland-virginia-roads/2414724/



https://www.washingtonpost.com/weather/2020/0 9/11/washington-dc-maryland-flood/

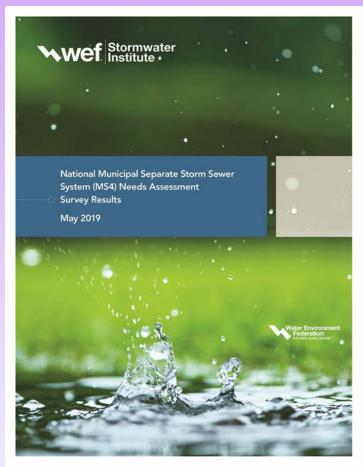


https://www.epa.gov/npdes/stormwater-discharges-municipal-sources





MS4 Needs Assessment



https://wefstormwaterinstitute.org/wp-content/uploads/2019/05/ms4-survey-report-2019.pdf

- Drivers for planning and investment
- Challenges
- Information and resource needs
- Funding gap

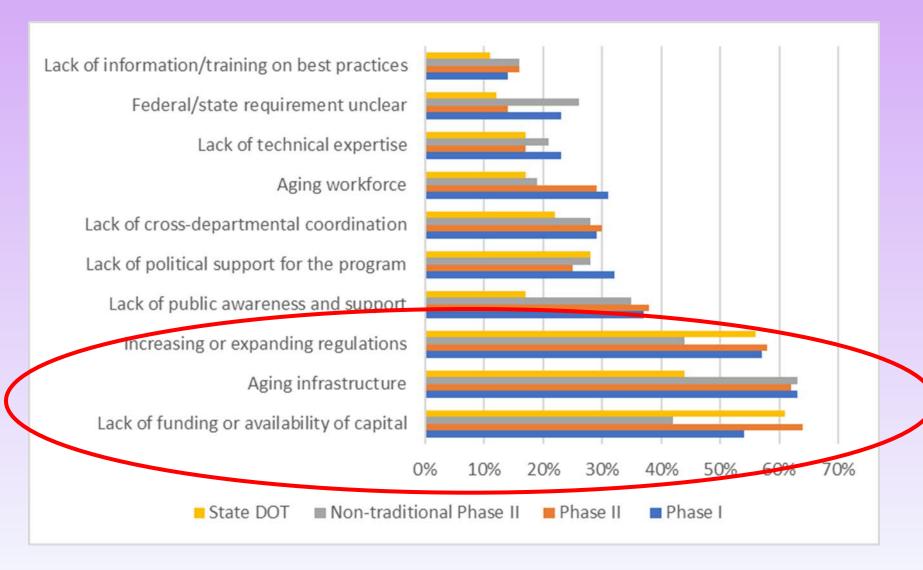
Responses By Region

EPA Region	% Respondents 2018	% Respondents 2020	% Permitees
1	7%	13%	6%
2	4%	5%	7%
3	12%	7%	12%
4	12%	13%	13%
5	32%	7%	31%
6	7%	5%	12%
7	5%	25%	4%
8	7%	17%	3%
9	7%	9%	5%
10	7%	10%	7%





Summary of Results





Annual Program Budget Needs



Estimated \$8 billion funding gap





So what's a town to do?



- Utilities
- Green bonds
- P3s
- CWSRF



CWSRF Funding



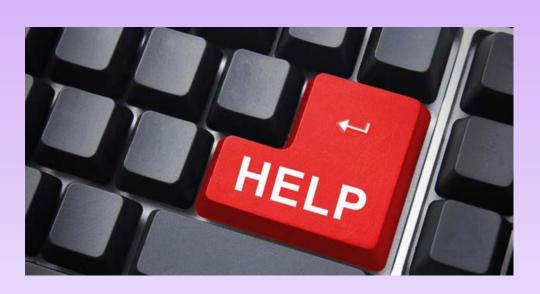
Photo courtesy of Coopers Ferry

Photo courtesy of Camden SMART





Technical Assistance



- Often, no dedicated funding stream
- Less familiarity with program
- Less staff



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