

NPDES Phase II Small MS4 Permit Program

Annual Reports Summary

Year 9: April 2011-March 2012

Massachusetts Traditional MS4s

97 % of Municipalities Reporting

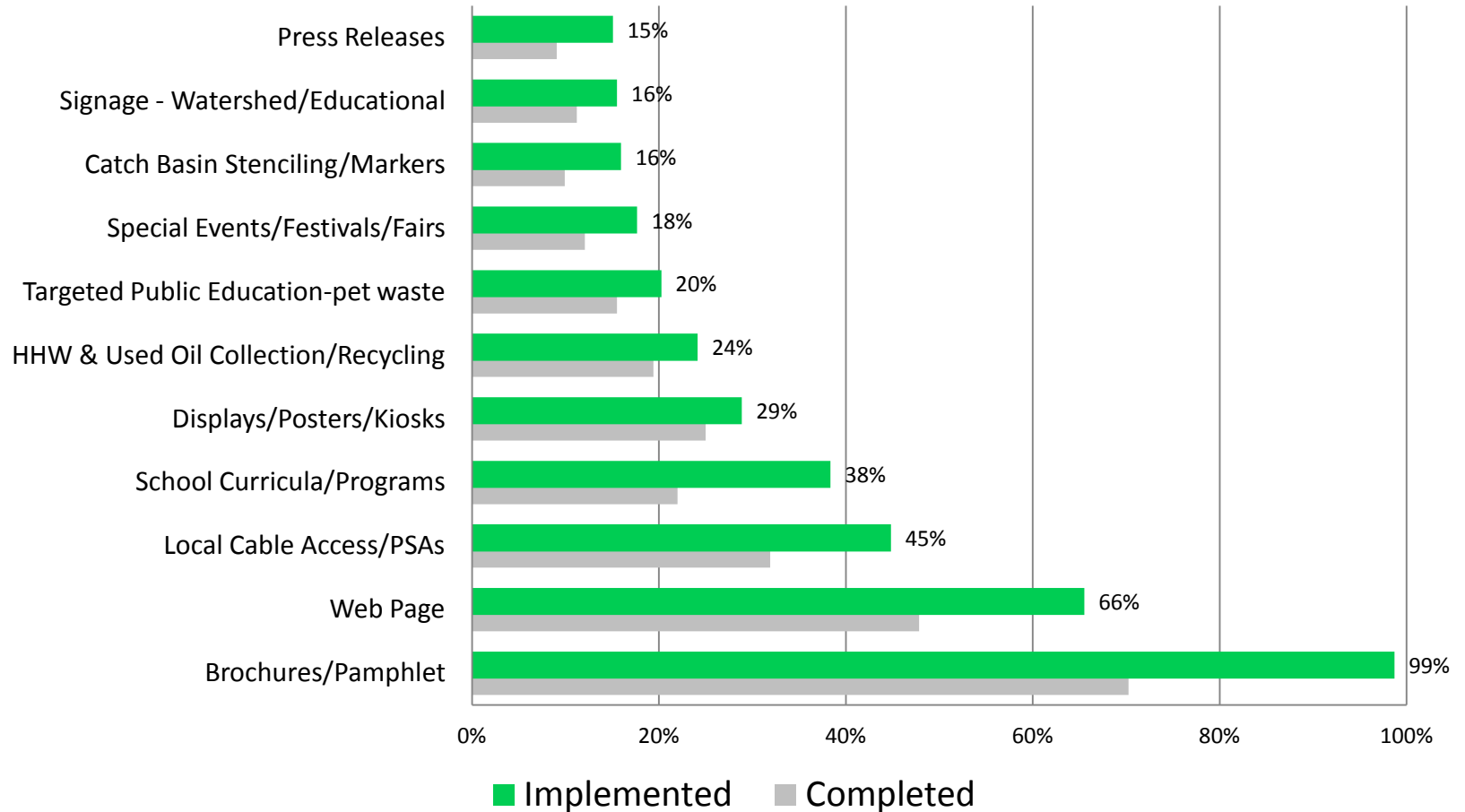


October 2012

Year 9 Annual Reports Summary

- Review of reports provide:
 - Best Management Practices (BMPs) reportedly employed by Massachusetts municipalities through Permit Year 9 to implement the six Minimum Control Measures (MCMs) required by the Small Municipal Separate Storm Sewer System (MS4) Permit
 - Progress toward implementing select BMPs as determined by voluntarily reported metrics
- Data provided in reports facilitate benchmarking, technical assistance, program evaluation and compliance
- 232 of 238 (97%) of permitted municipalities in Massachusetts submitted annual reports

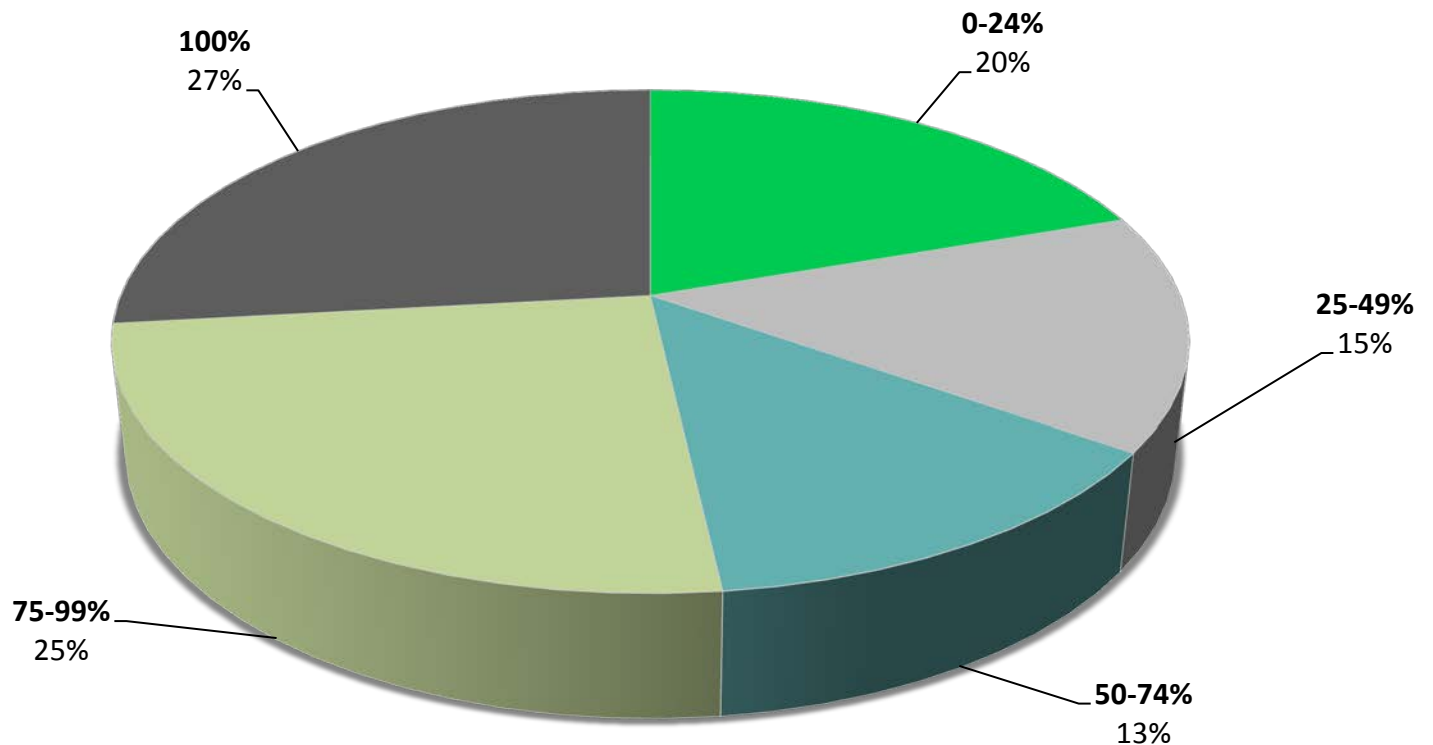
Public Education & Outreach BMPs (MCM1)



Percent reporting the use and completion of practice among the 97% of MA municipalities reporting

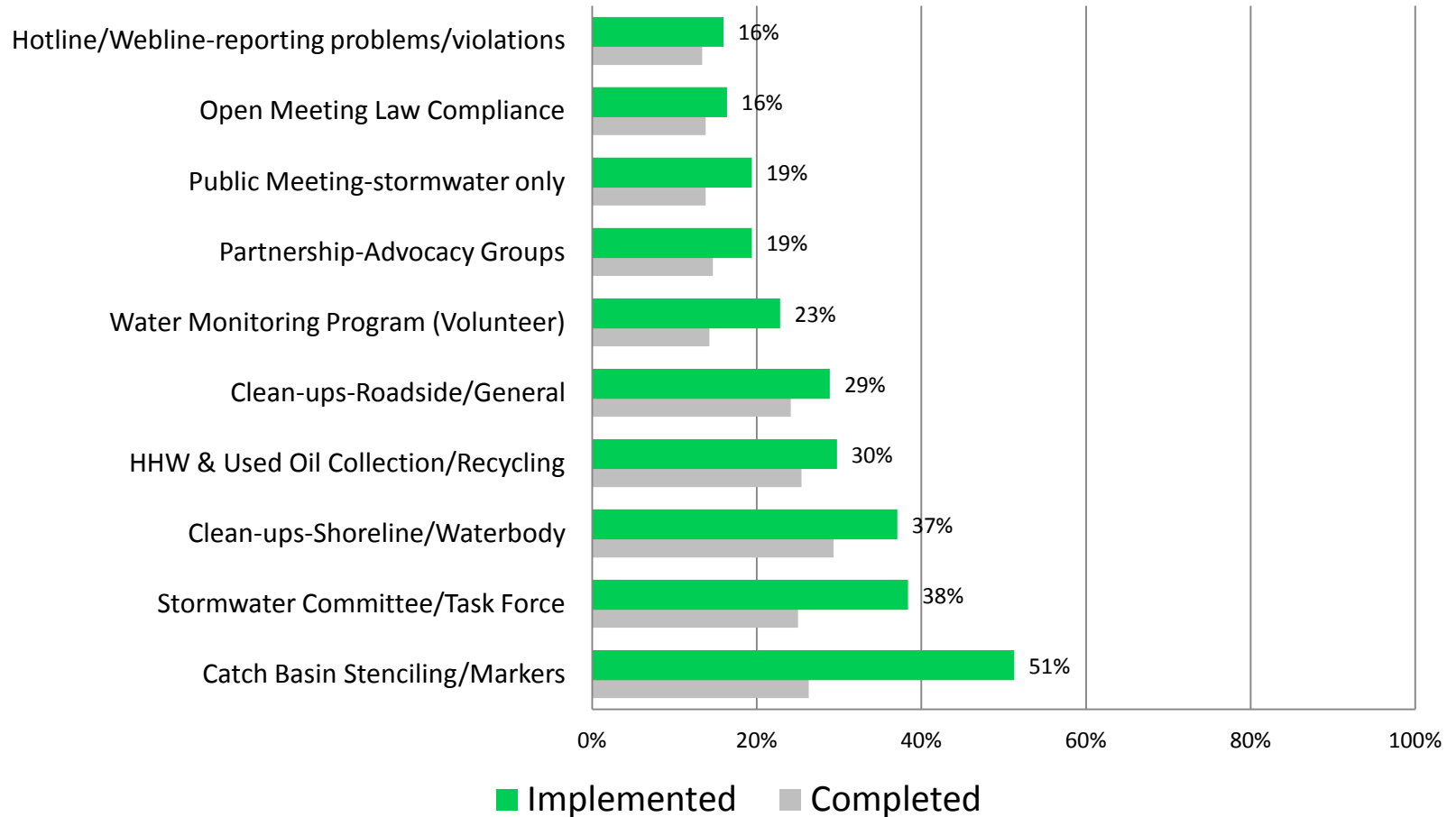
Public Education & Outreach Metric

Estimated number of residents reached by education program(s)



48% reporting (112 of 232 of municipalities)

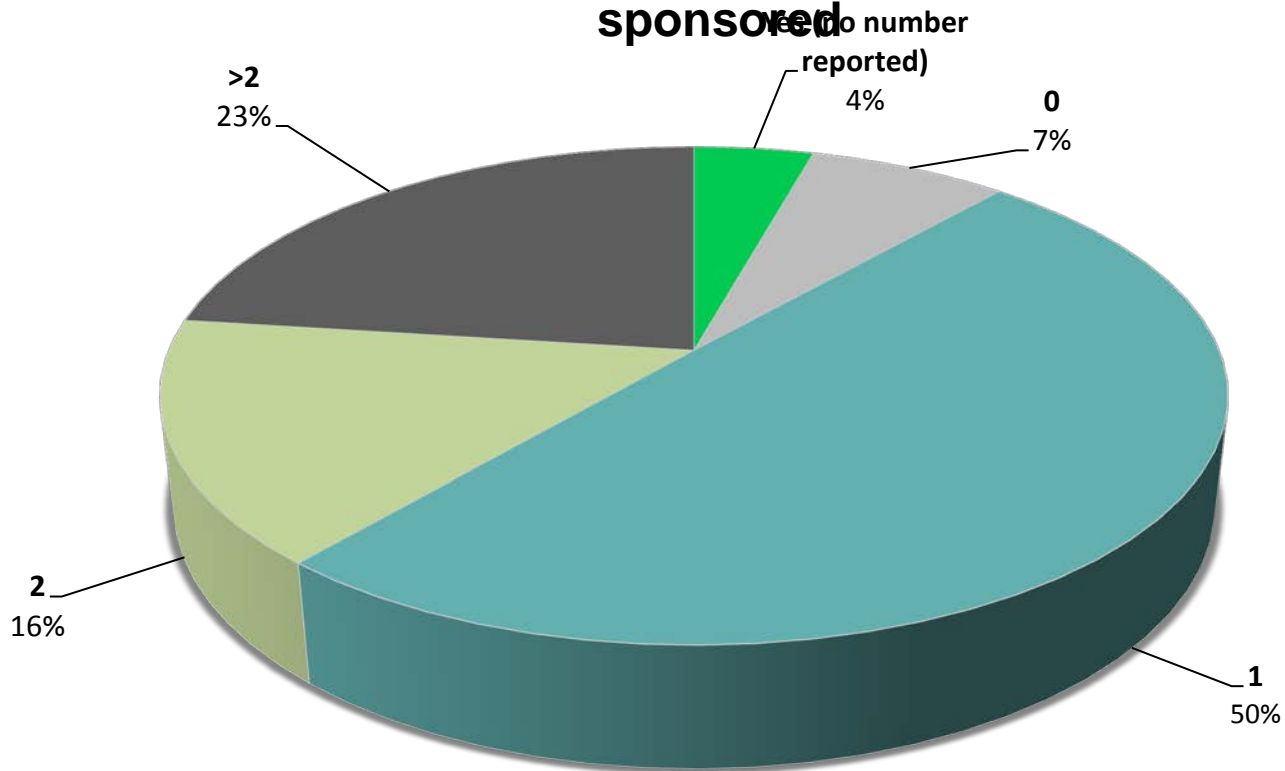
Public Involvement & Participation BMPs (MCM2)



Percent reporting the use and completion of practice among the 97% of MA municipalities reporting

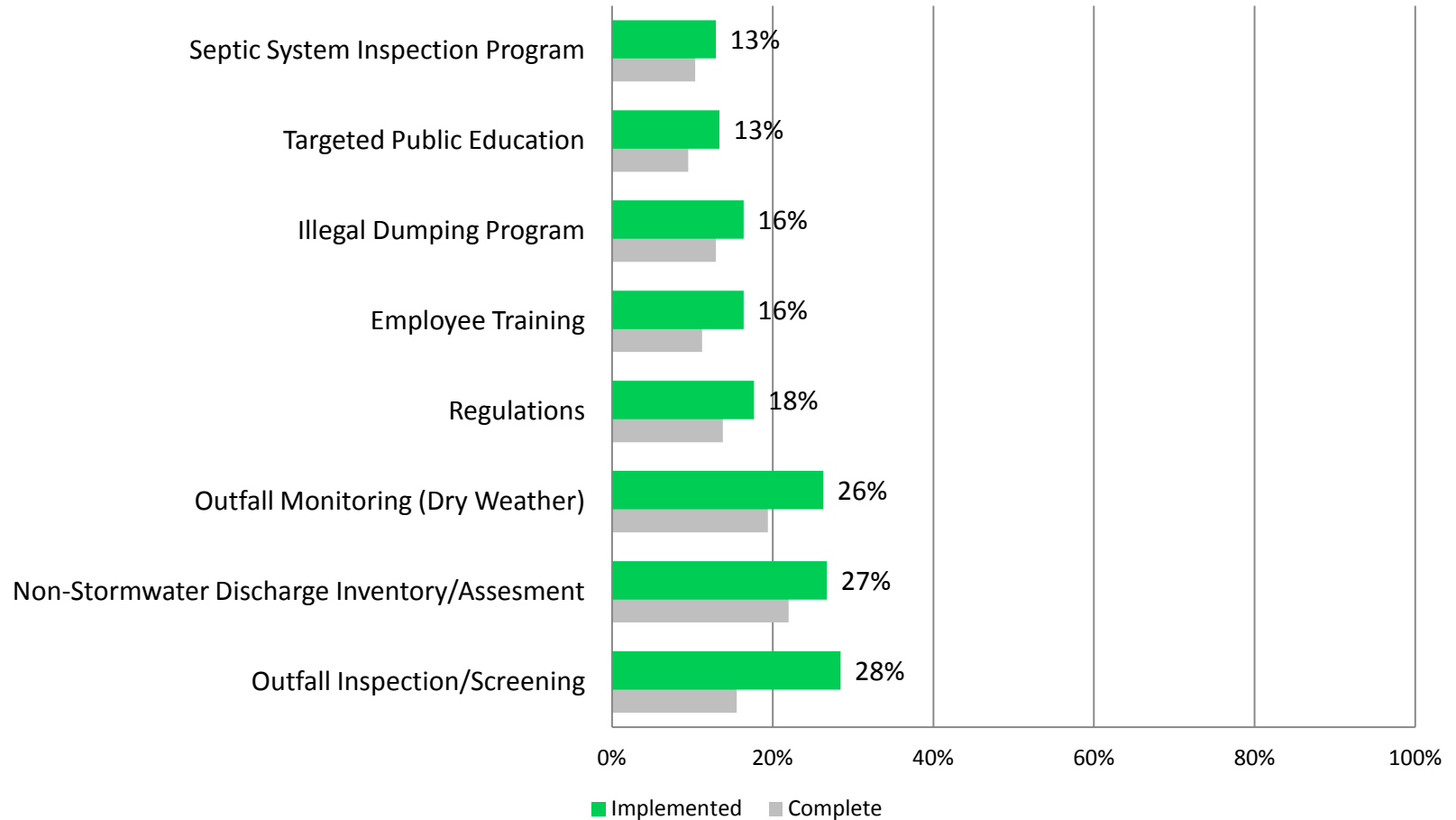
Public Involvement & Participation Metric

Household Hazardous Waste Collection - days sponsored



90% reporting (209 of 232 municipalities)

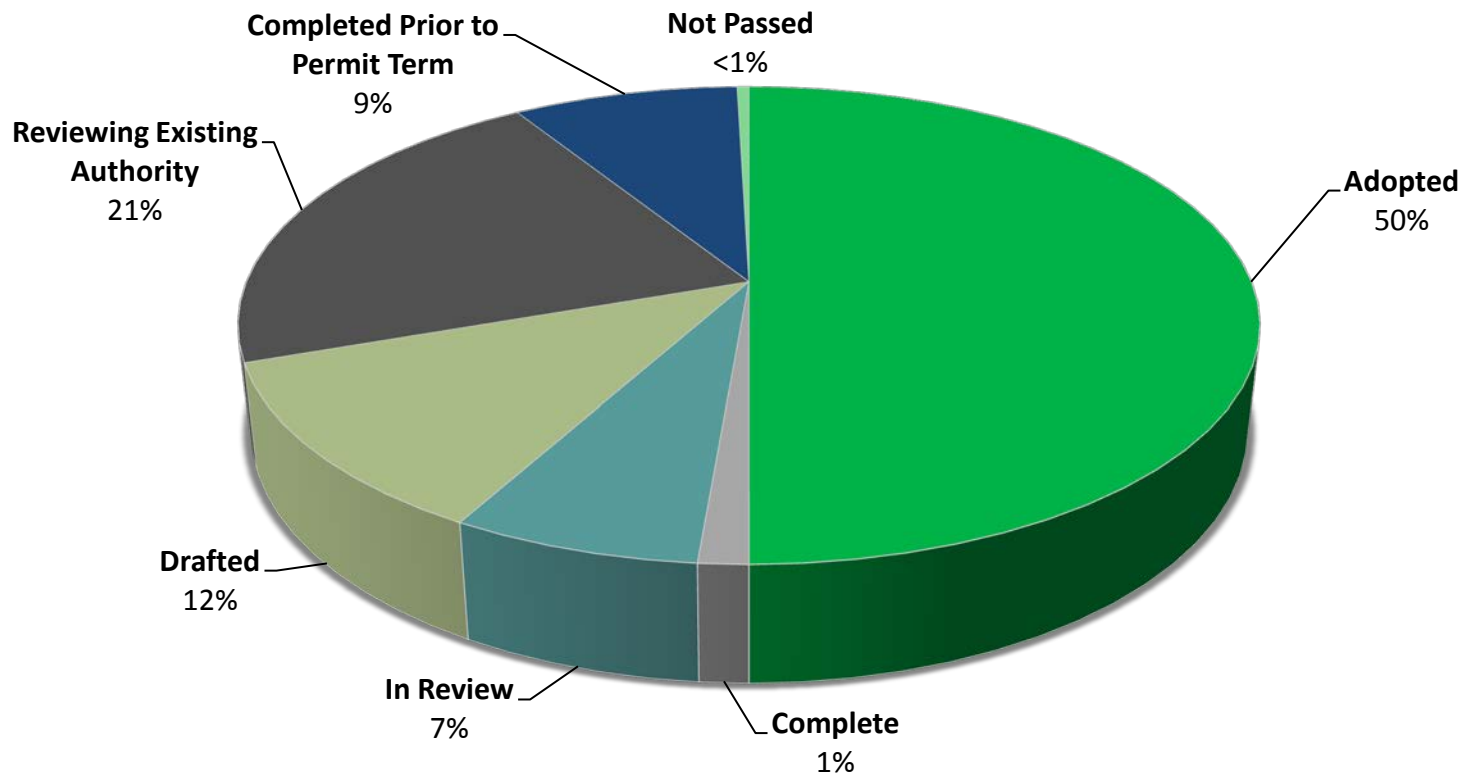
Illicit Discharge Detection & Elimination BMPs (MCM3)



Percent reporting the use and completion of practice among the 97% of MA municipalities reporting

Illicit Discharge Detection and Elimination Metric

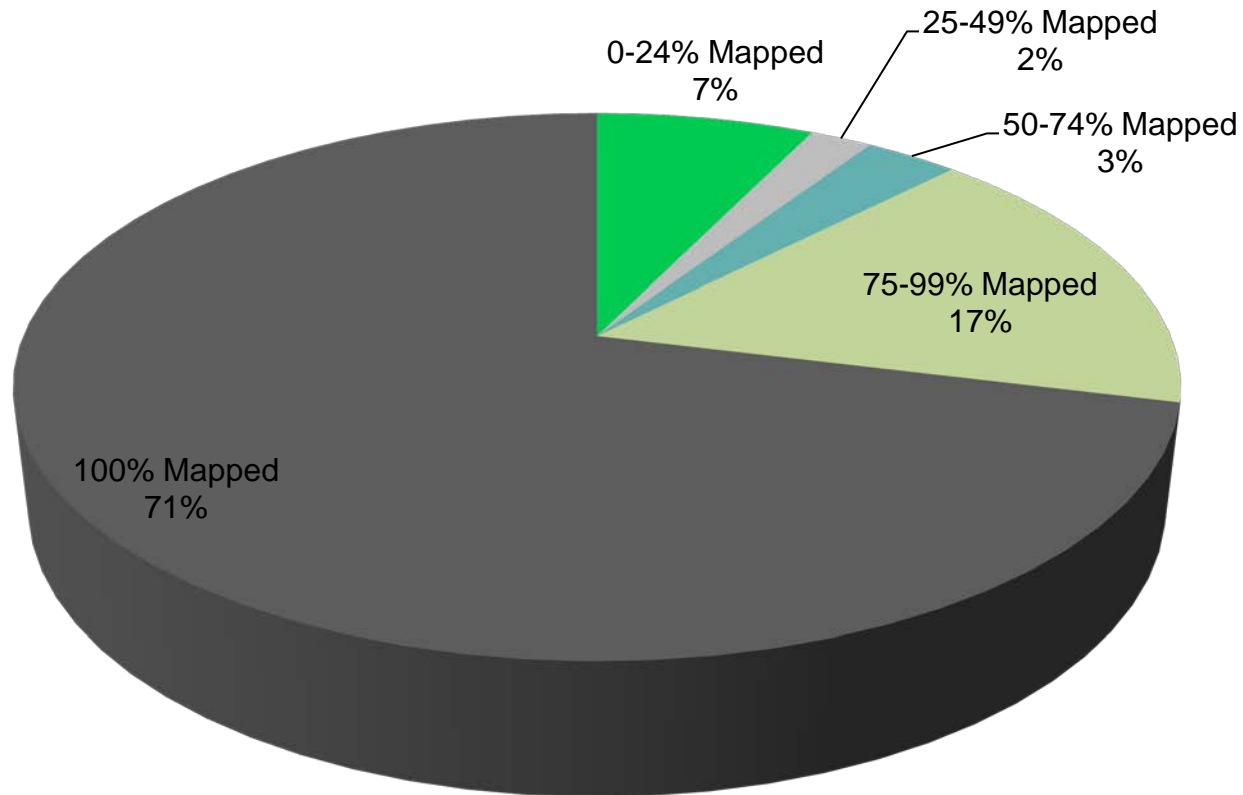
Regulatory Mechanism Status - IDDE



97% reporting (224 of 232 municipalities)

Illicit Discharge Detection and Elimination Metric

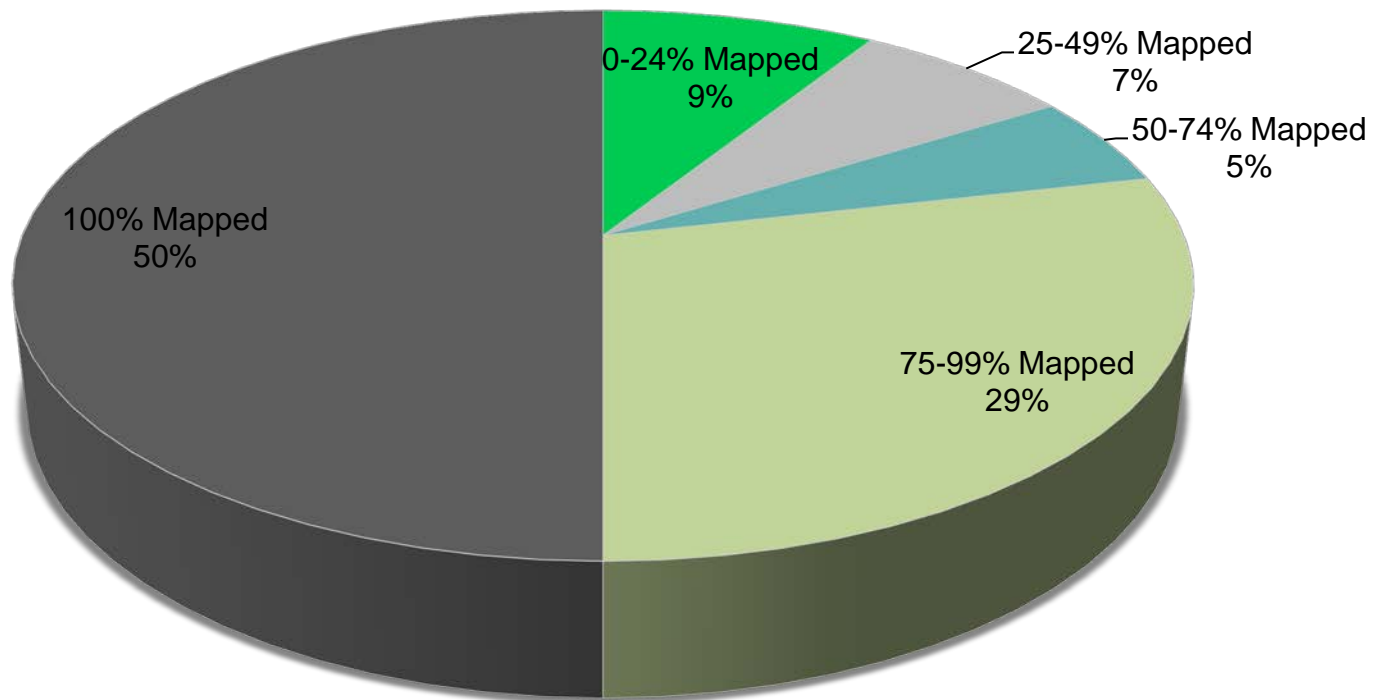
Percent of Outfalls Mapped



84% reporting (194 of 232 municipalities)

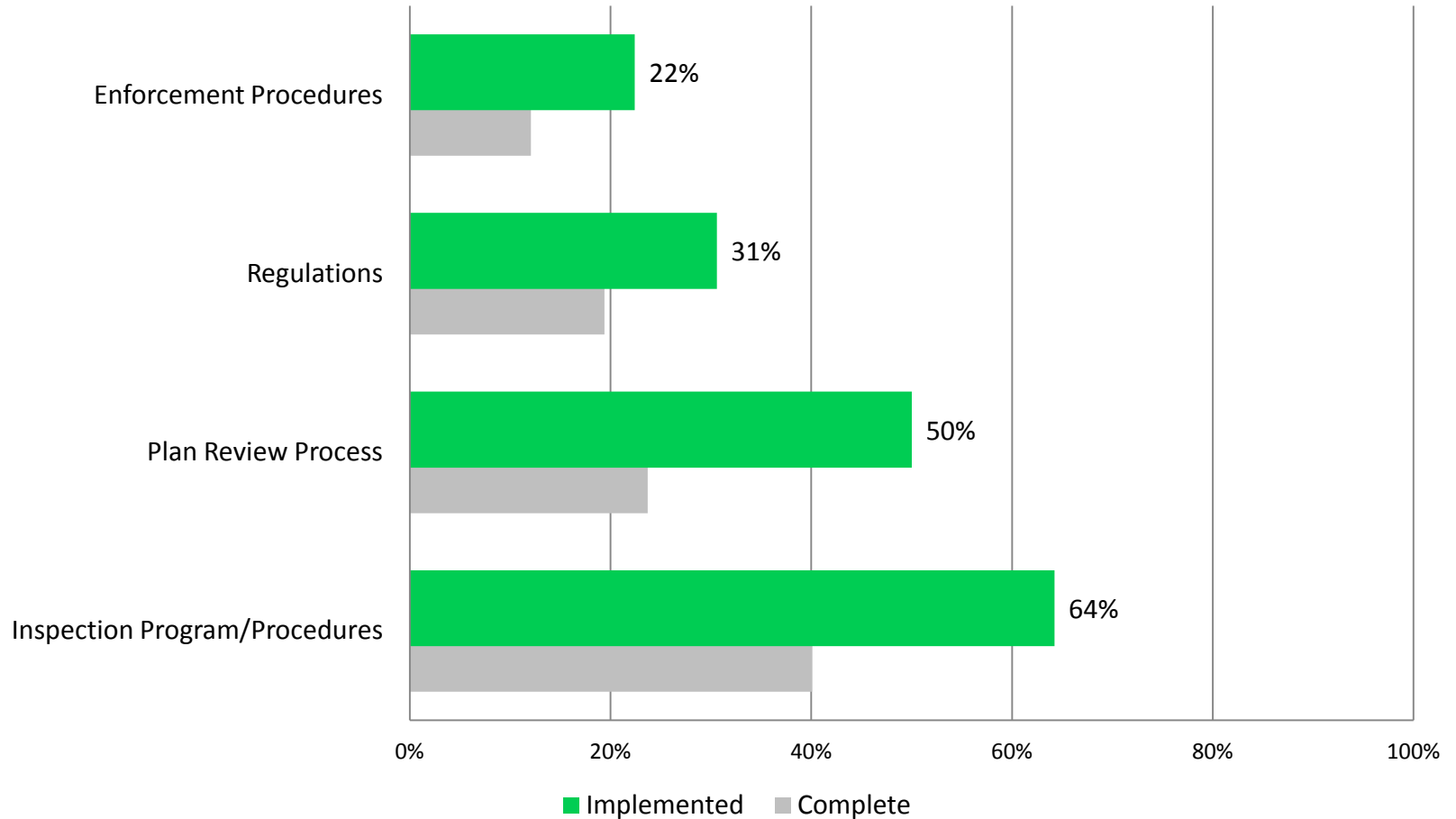
Illicit Discharge Detection and Elimination Metric

Percent of System-Wide Drainage Infrastructure Mapped



72% reporting (168 of 232 municipalities)

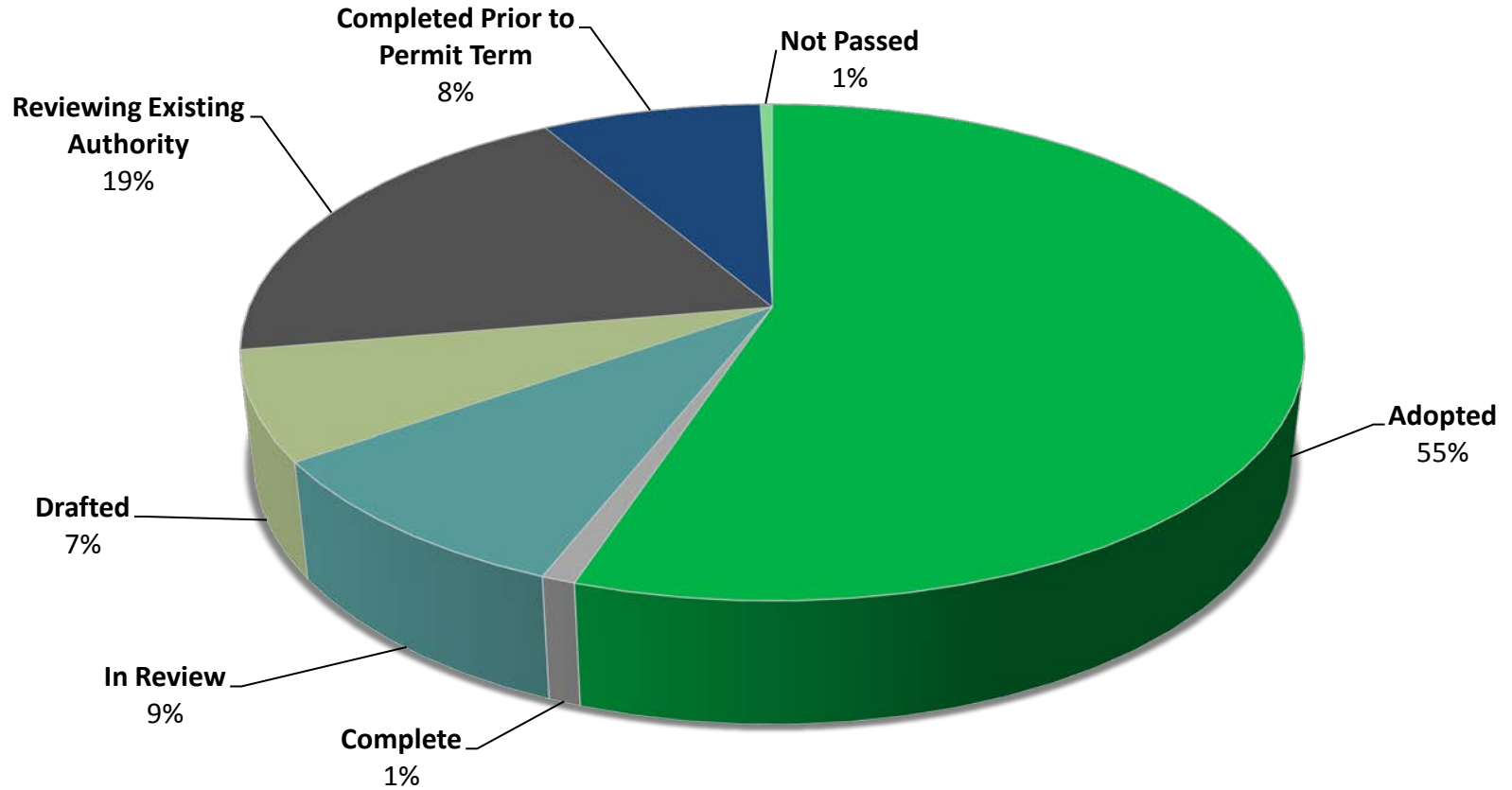
Construction Site Stormwater Run-off Control BMPs (MCM4)



Percent reporting the use and completion of practice among the 97% of MA municipalities reporting

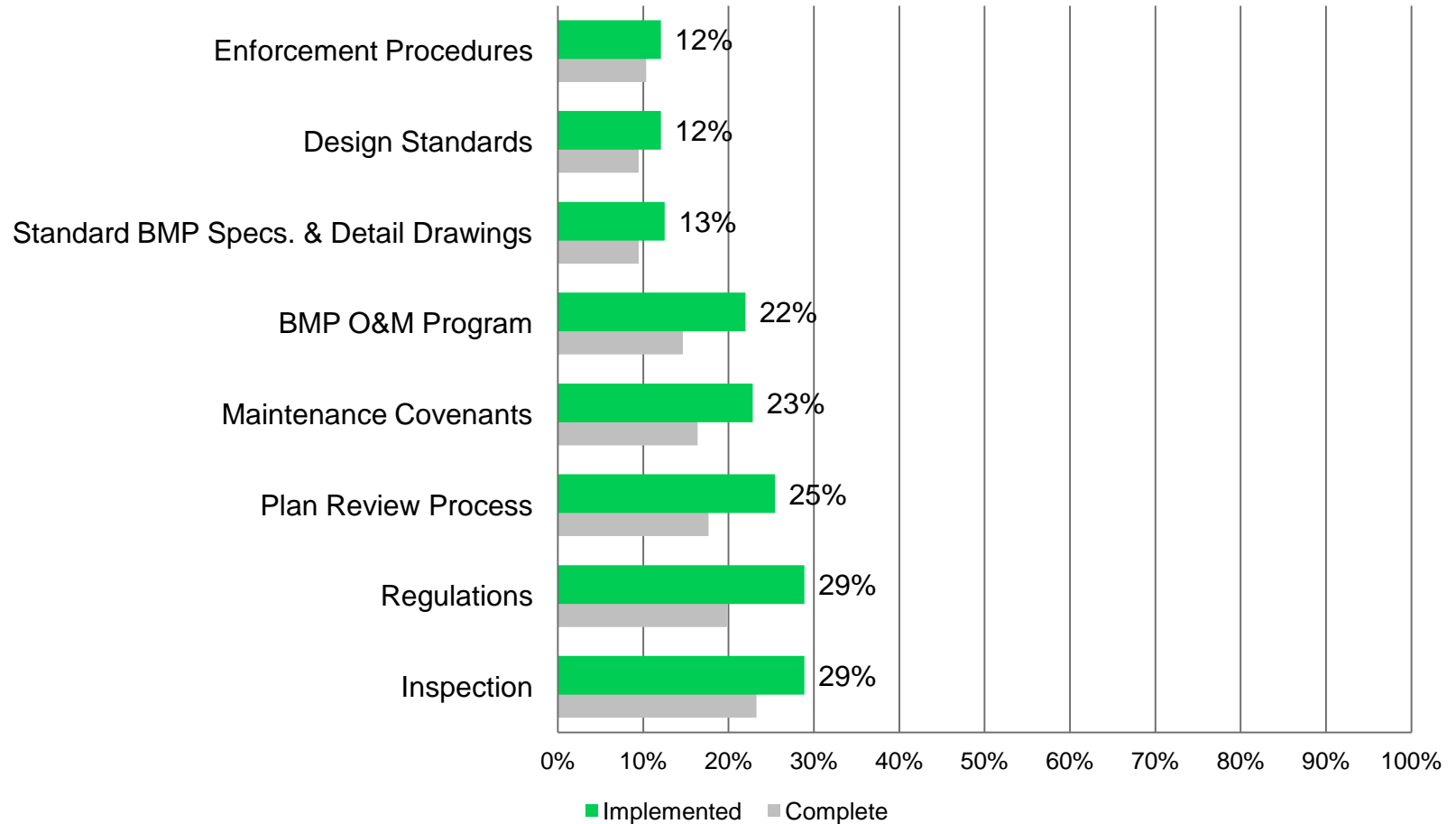
Construction Site Stormwater Run-off Control Metric

Regulatory Mechanism Status



98% reporting (227 of 232 municipalities)

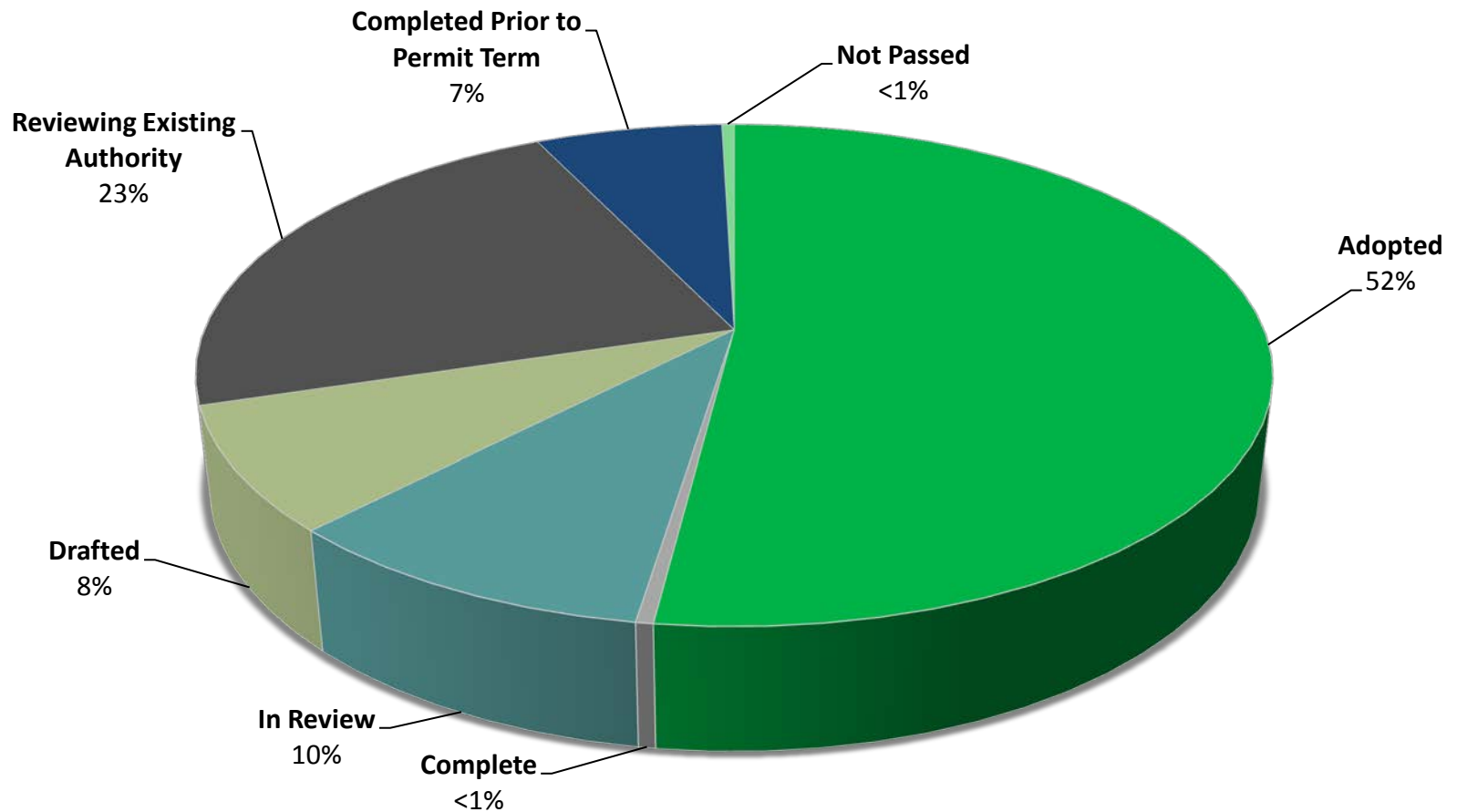
Post-Construction Stormwater Management in New Developments and Redevelopments BMPs (MCM5)



Percent reporting the use and completion of practice among the 97% of MA municipalities reporting

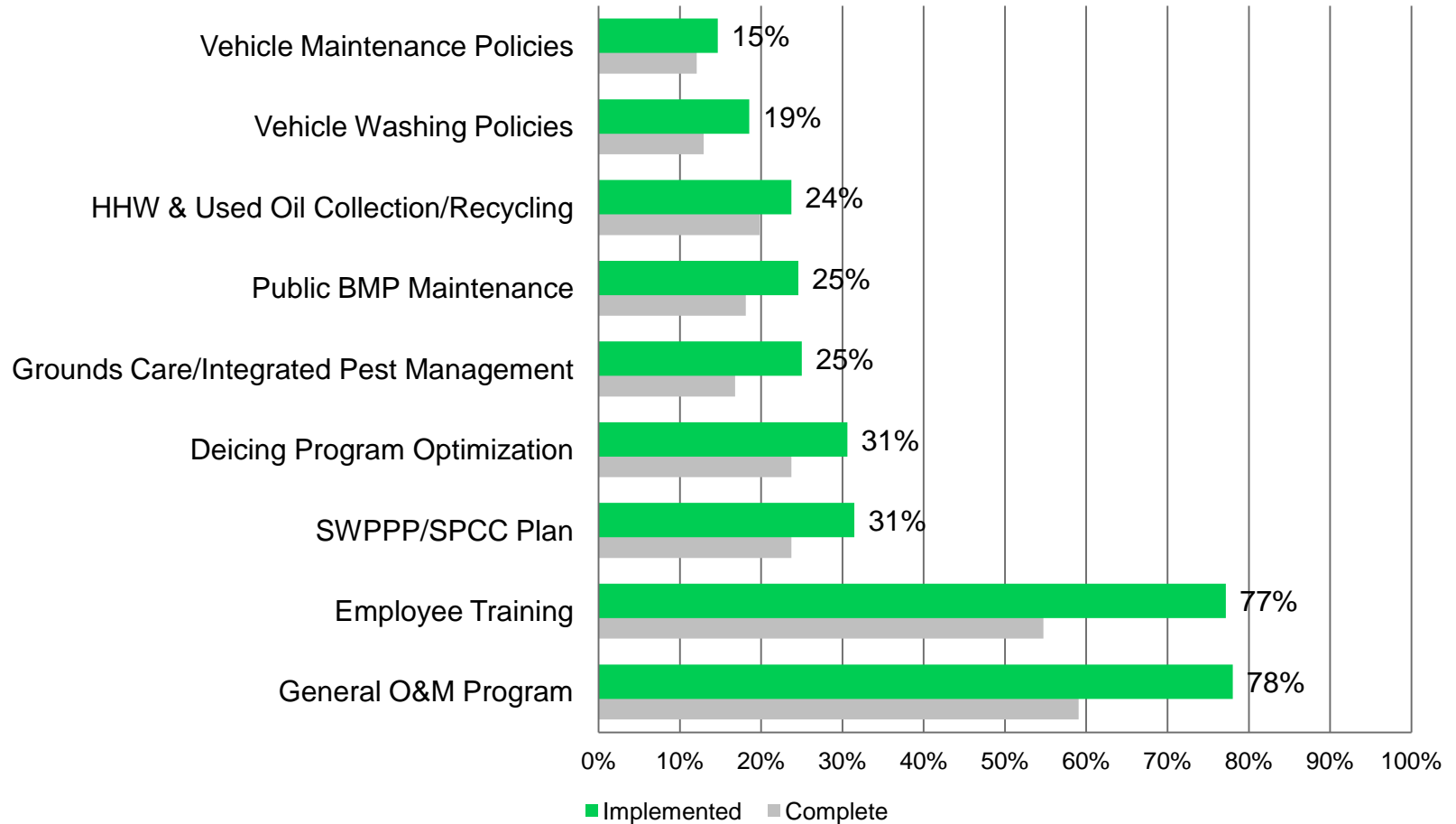
Post-Construction Stormwater Management in New Developments and Redevelopments Metric

Regulatory Mechanism Status



97% reporting (225 of 232 municipalities)

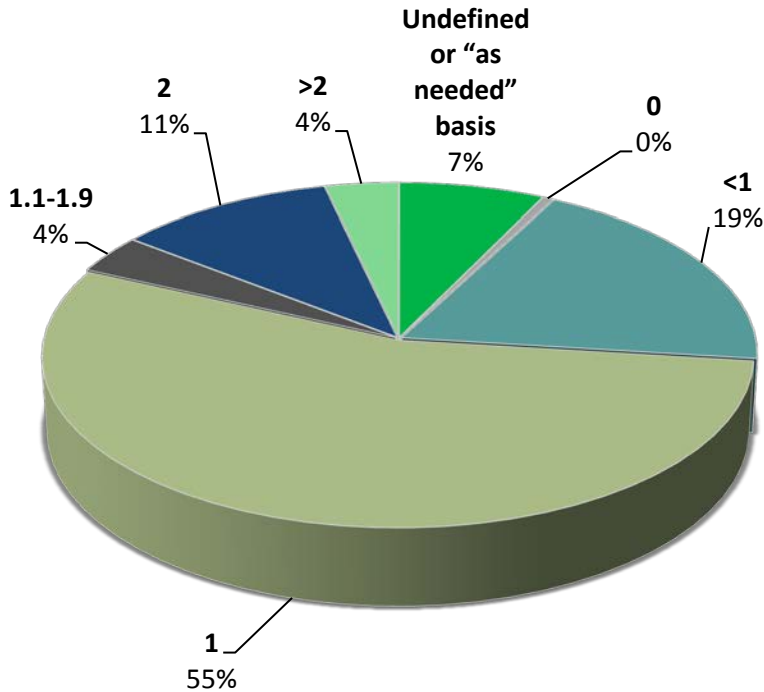
Pollution Prevention and Good Housekeeping BMPs (MCM6)



Percent reporting the use and completion of practice among the 97% of MA municipalities reporting

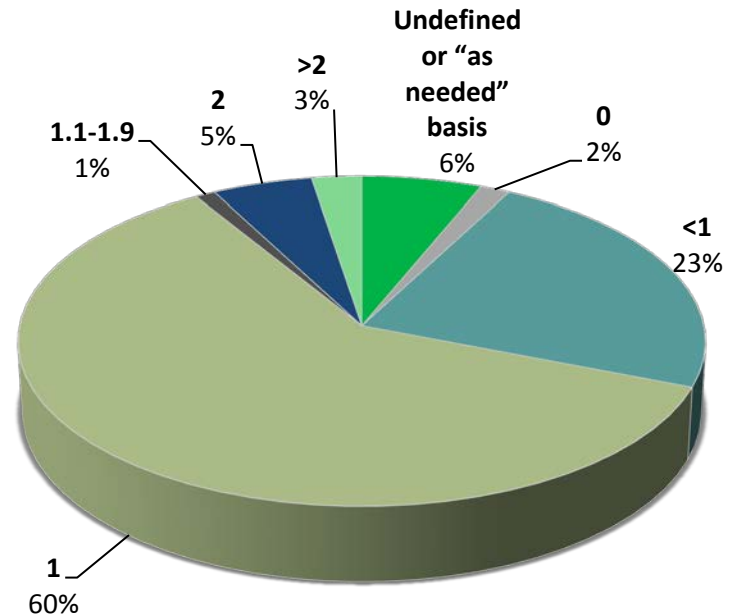
Pollution Prevention and Good Housekeeping Metric Average Annual Catch Basin Cleaning Frequency

Commercial/Arterial or Other Critical Streets (Cleanings/year)



83% reporting (193 of 232 municipalities)

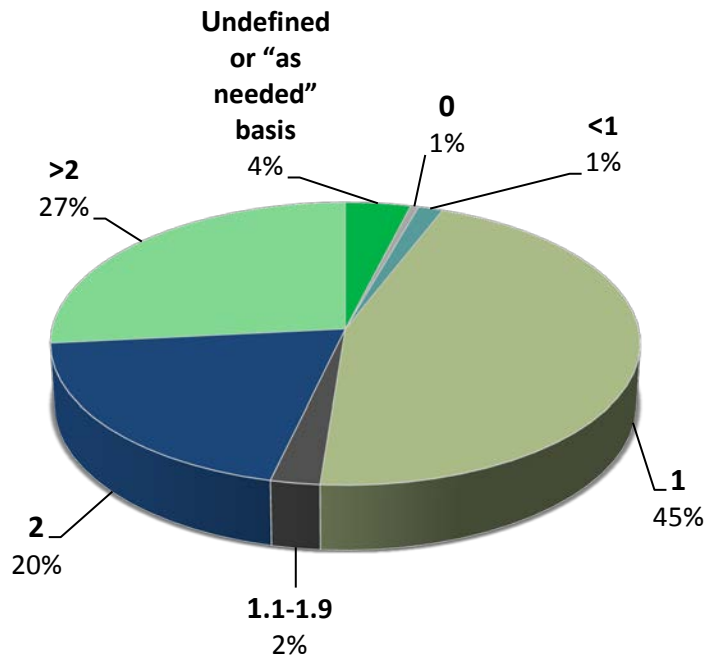
Non-Commercial/ Non-Arterial Streets (Cleanings/year)



84% reporting (194 of 232 municipalities)

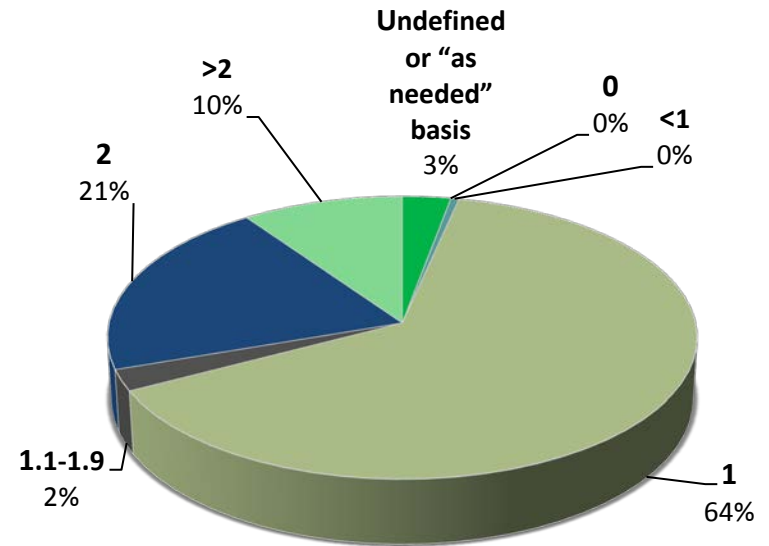
Pollution Prevention and Good Housekeeping Metric Average Annual Street Sweeping Frequency

Commercial/Arterial or Other Critical Streets (Cleanings/year)



88% reporting (203 of 232 municipalities)

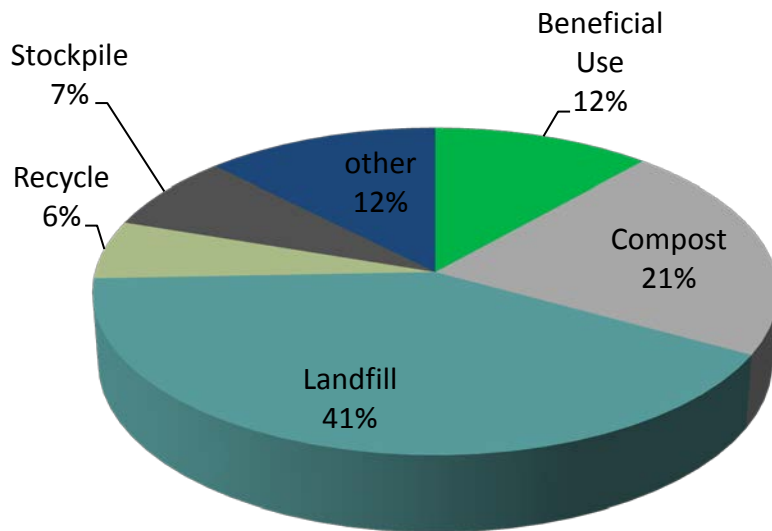
Non-Commercial/ Non-Arterial Streets (Cleanings/year)



88% reporting (205 of 232 municipalities)

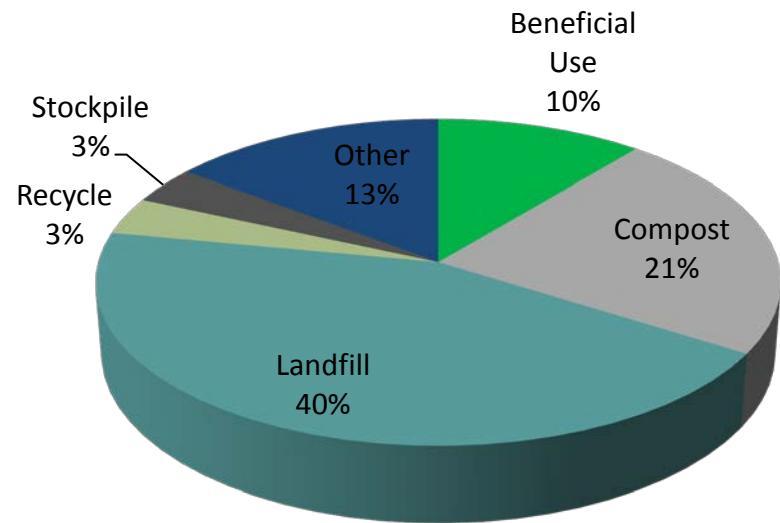
Pollution Prevention and Good Housekeeping Metric Disposal of Material

Catch Basin Screenings



51% reporting (121 of 232 municipalities)

Street Sweepings



47% reporting (109 of 232 municipalities)

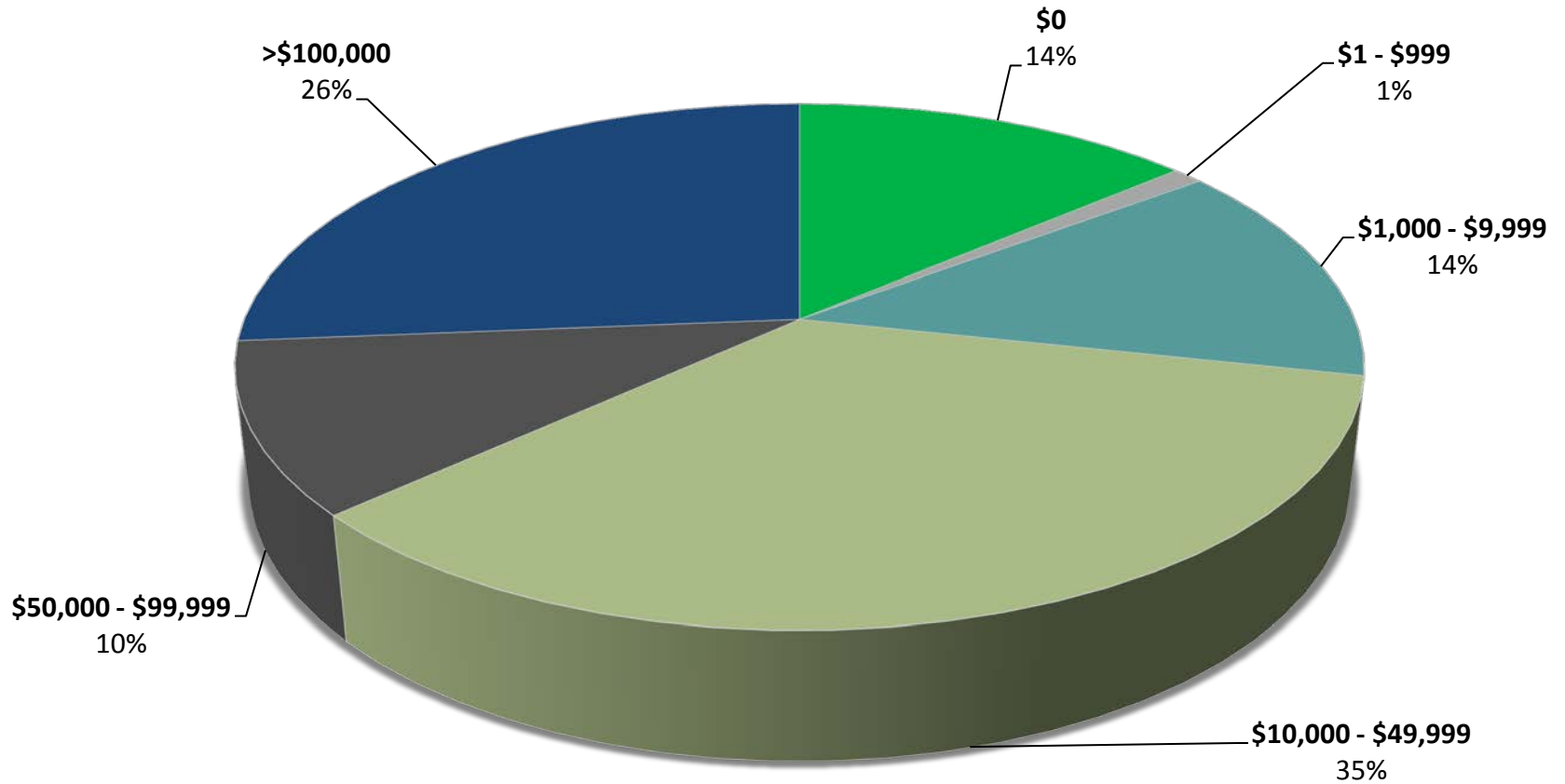
Pollution Prevention and Good Housekeeping Metric

De-Icing Products Used

Product	Reported using product
NaCl	102 municipalities
CaCl ₂	43 municipalities
MgCl ₂	15 municipalities
Sand	107 municipalities

Stormwater Management Program Budget

Annual program budget/expenditures



41% reporting (95 of 232 municipalities)