

Small MS4 Costs



MS4 Compliance

MCM1: Public Education and Outreach

MCM2: Public Involvement and Participation

MCM3: Illicit Discharge Detection and Elimination (IDDE) Program

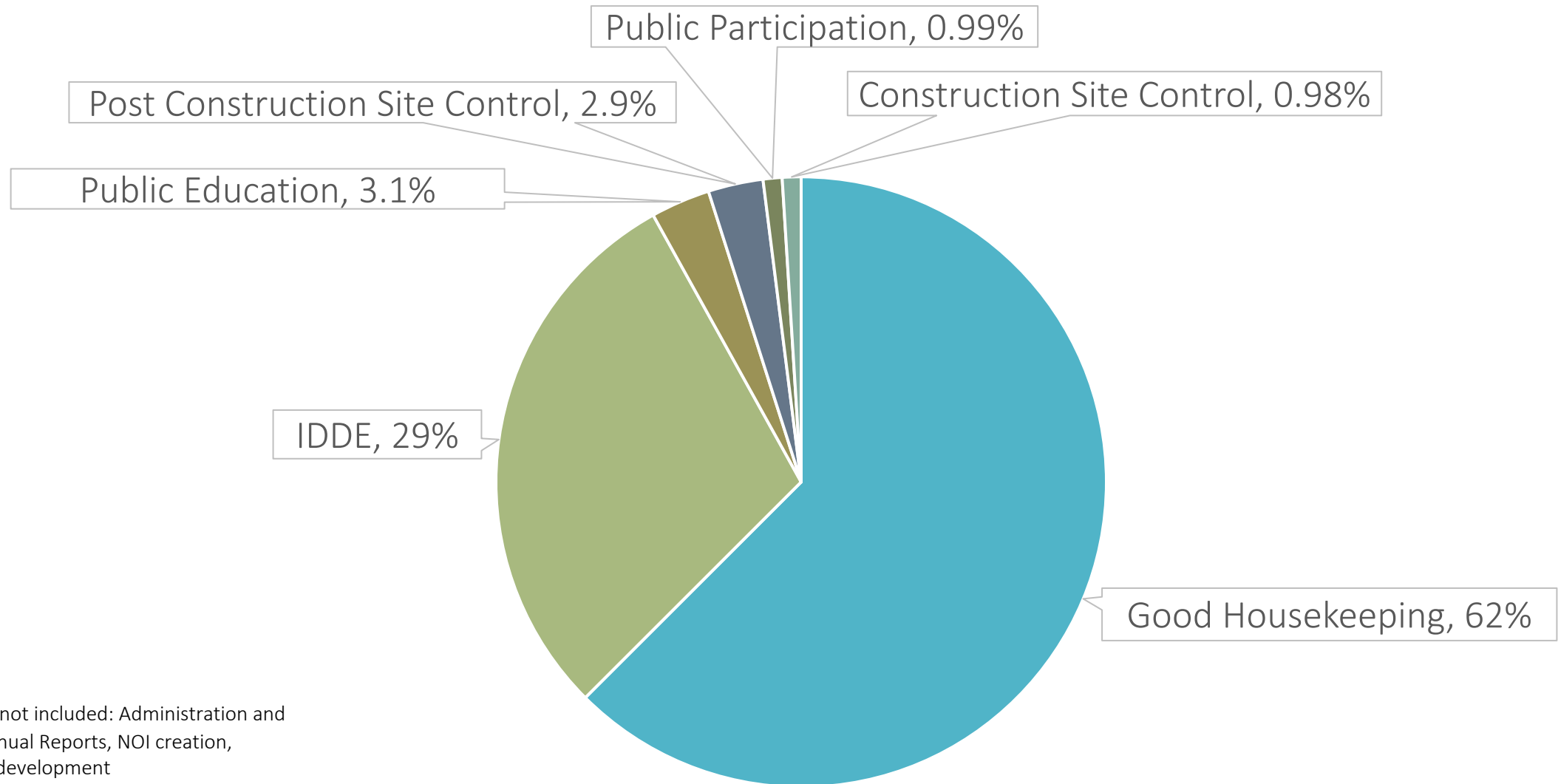
MCM4: Construction Site Stormwater Runoff Control

MCM5: Stormwater Management in New Development and Redevelopment (Post Construction Stormwater Management)

MCM6: Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Impaired Waters and TMDL Requirements

MS4 Annual Program Cost



* Costs not included: Administration and FTE, Annual Reports, NOI creation, SWMP development

MCM 6: Good Housekeeping

O&M of MS4 infrastructure (\$\$\$)

Clean catch basins (\$\$\$)

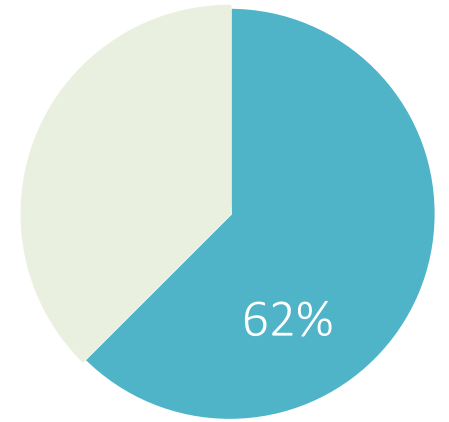
Street sweeping (\$\$\$)

Inspect stormwater treatment structures (\$\$)

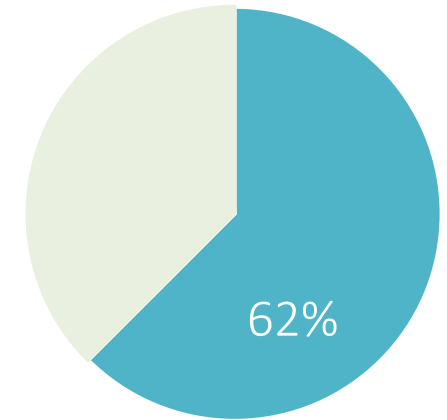
Implement SWPPP for permittee-owned or operated facilities (\$\$)

Proper salt storage (\$)

Employee training (\$)



Example: Good Housekeeping



Framingham 2020 overall stormwater budget of **\$1,250,000**

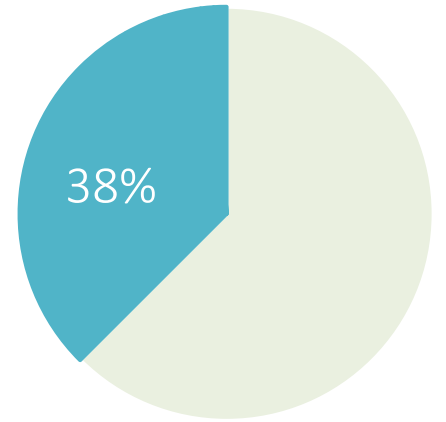
\$495,000 went to contracting out catch basin cleaning and street sweeping

40% of overall budget

Also estimated **4,200** hours of DPW staff time for street sweeping

38%

Additional measures required by the permit that also require funding



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Stormwater Enterprise Fund: Ashland

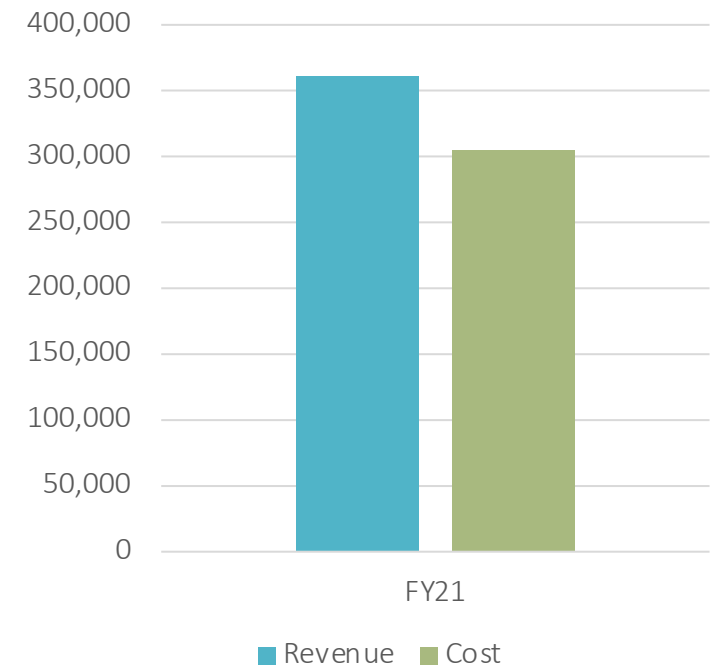
Stormwater Enterprise Fund FY21 Revenues: **\$361,351**

Expenses: **\$304,690**

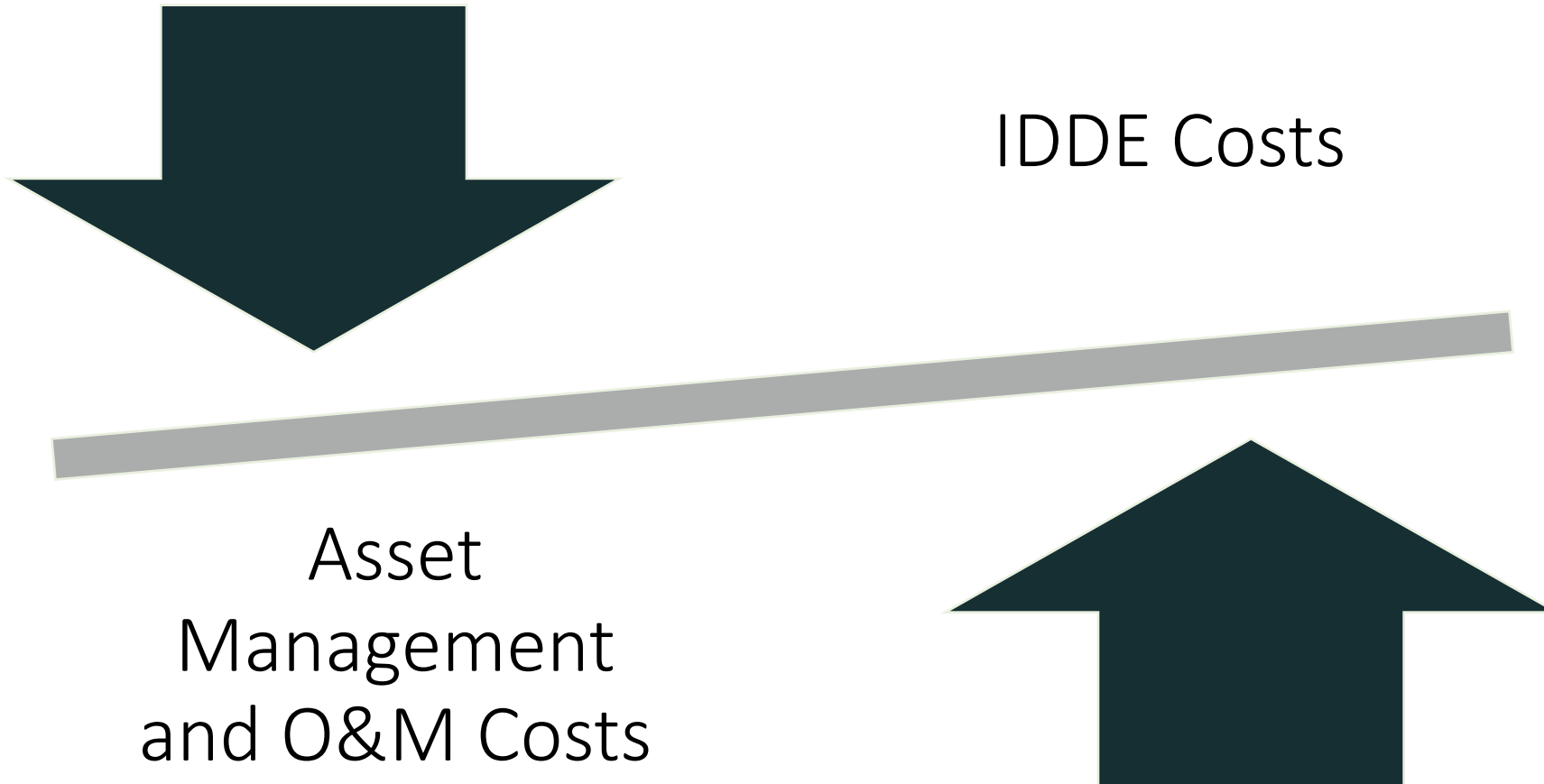
100% of stormwater expenses funded by stormwater enterprise!



<https://www.ashlandmass.com/>



Looking Ahead



Major Costs in the next 10 years

Asset Management and Accounting

New and Re-Development
Stormwater Control Inspection and
Maintenance

Capital Improvements

Next Gen Stormwater Management

System repair and replacement activities will result in a more resilient system – and more stormwater controls

Comprehensive program to prioritize cleaning, maintenance and replacement

Stormwater controls on private property will need inspection and long-term maintenance

Tracking pollution reduction progress!

Thank you!

Newton Tedder, EPA

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Stormwater Tools in New England

<https://www.epa.gov/npdes-permits/stormwater-tools-new-england>