

# Small MS4 Costs



# MS4 Compliance

MCM1: Public Education and Outreach

MCM2: Public Involvement and Participation

MCM3: Illicit Discharge Detection and Elimination (IDDE) Program

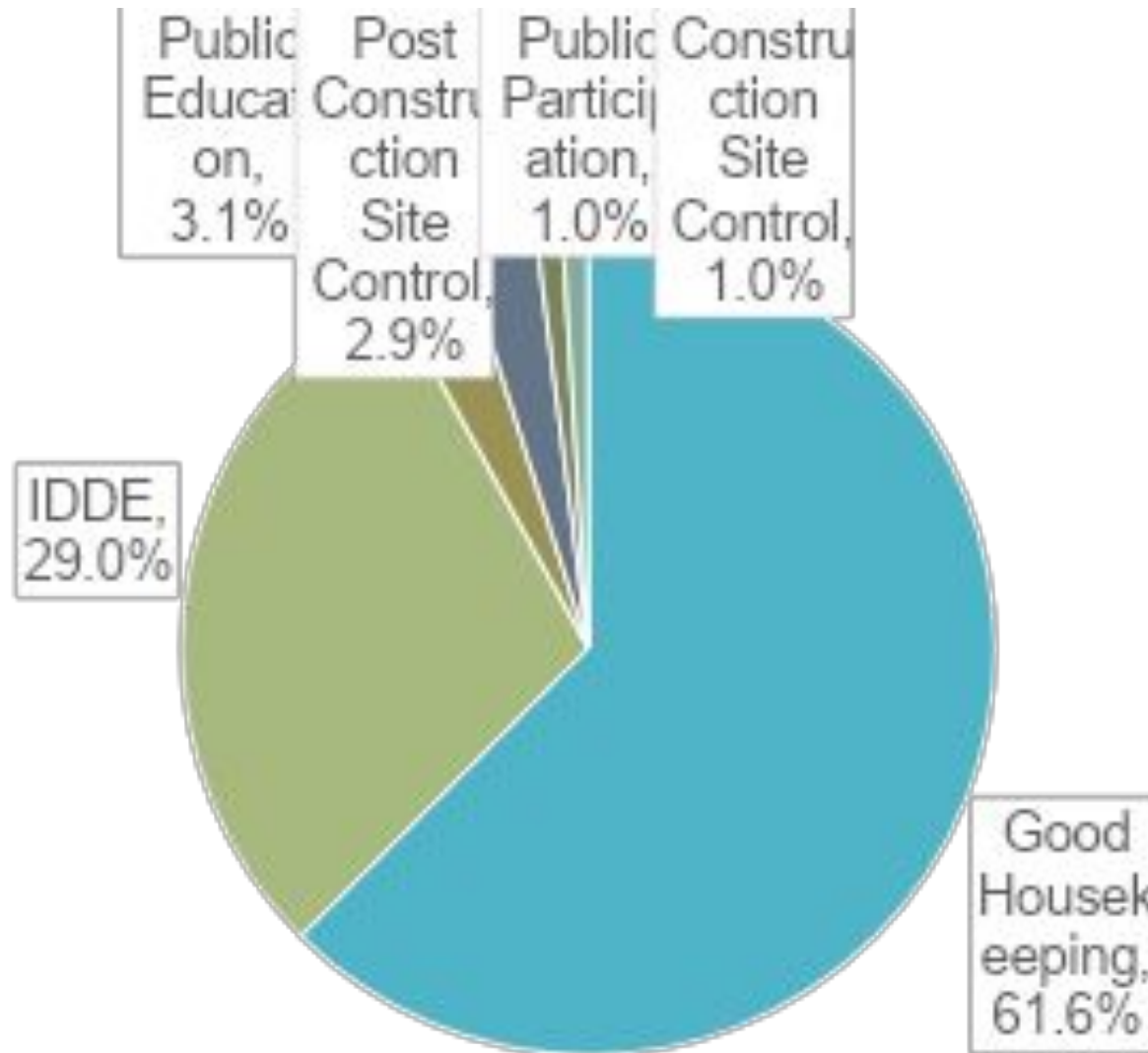
MCM4: Construction Site Stormwater Runoff Control

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

MCM6: Good Housekeeping and Pollution Prevention for Permittee Owned Operations

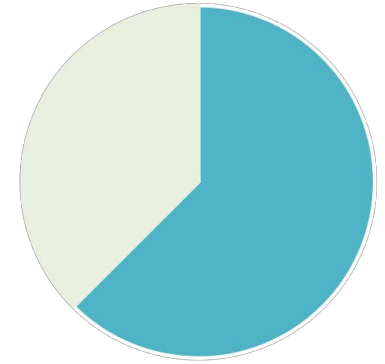
Impaired Waters and TMDL Requirements

# 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 (\$\$\$)

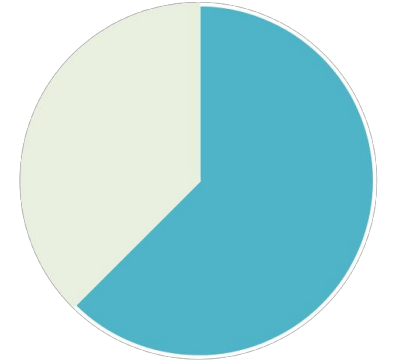
Inspect stormwater treatment structures (\$\$)

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

Proper salt storage (\$)

Employee training (\$)

# Example: Good Housekeeping



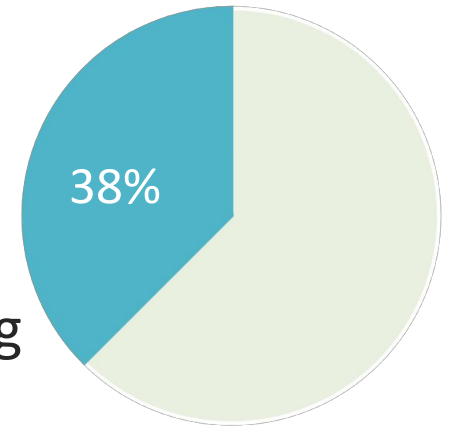
Framingham 2020 overall stormwater budget of **\$1,250,000**

**\$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

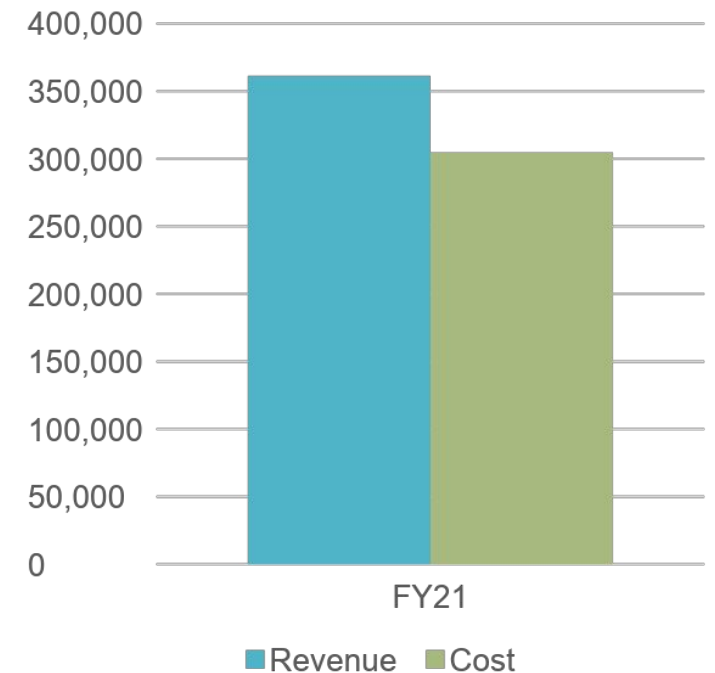
Stormwater Enterprise Fund FY21 Revenues: **\$361,351**

Expenses: **\$304,690**

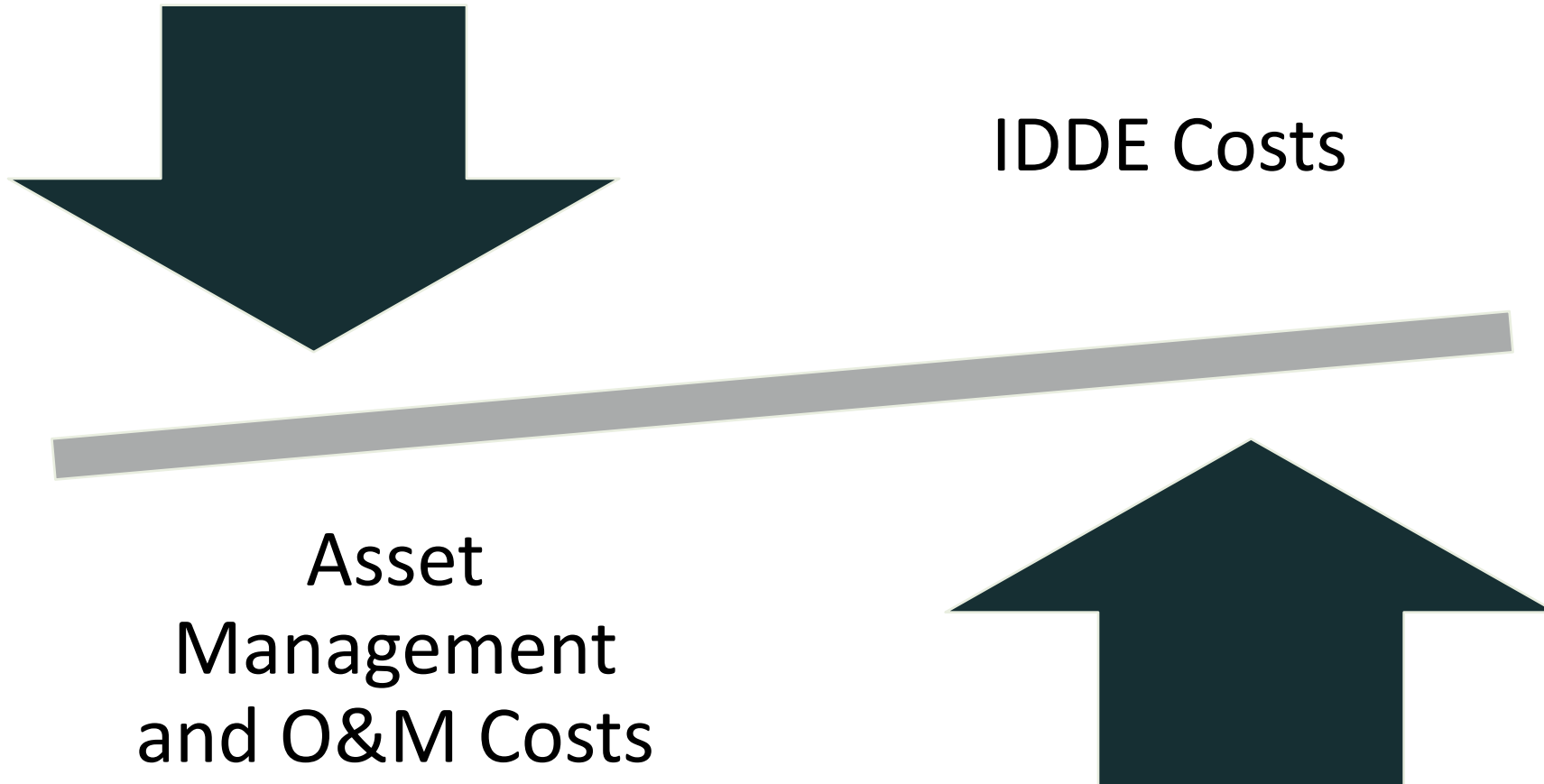
100% of stormwater expenses funded by stormwater enterprise!



<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>