Elements of a GI Maintenance Business Plan

Elements of a Green Infrastructure Maintenance Business Plan

A Stakeholder-Driven Process to Determine the Preferred Approach to Green Infrastructure Maintenance in Southeast Wisconsin

Photo credit: Milwaukee Metropolitan Sewerage District

Final Draft
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Milwaukee Metropolitan Sewerage District
Background

- MMSD drivers for GI O&M
  - 740 million gallon goal
  - Permit requirement
Overview of GI Strategy O&M Needs

- Varies from strategy to strategy
- Several factors to consider:
  - Time commitment
  - Skill and training
  - Equipment
  - Frequency and timing
Components of GI Maintenance Plan

- Maintenance Activities
- Training
- Inspections
- Certification
- Tracking
- Funding
Funding

- Stormwater utility
- Establishing fees
  - Plan review
  - In-lieu for post-construction
  - Maintenance service
- Public-private partnerships
- Grants
3 Models

- Regional
- Local Municipality
- Owner-Led
Survey Results

Amount local governments spend on green infrastructure maintenance annually

- More than $10,000
- $5,000-$10,000
- $1,000-$4,999
- $500-$999
- $100-$500
- Less than $100
- Unsure
Survey Results

Interest in Having a Regional Entity Maintain Green Infrastructure Strategies

- Green roofs
- Rain gardens
- Stormwater trees
- Bioretention/bioswales/
- Native landscaping
- Permeable pavement
- Rain barrels/cisterns
- Soil amendments
- Green alleys/streets/parking lots
- Wetlands
- None
- Unsure at this time

Legend:
- Non-governmental organizations
- Local residents/businesses
- Local governments

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Conclusions & Next Steps

• A regional approach...
  – is not considered feasible
  – to training and certification requires uniform standards

• Municipalities are interested in retaining responsibilities
Conclusions & Next Steps

• Assess existing activities

• Be aware of municipal variations

• Bring stakeholders together to ensure a balanced perspective
Conclusions & Next Steps

• Assess the economic implications

• Explore development of GI Service Center

• Develop a training and certification program
Discussion

• Develop a RFP for a GI O&M Implementation Plan
  – Refine the business plan recommendations and create a clear pathway to accomplish the work.
  – The expected result is a workable, state-of-the-art program that ensures effective O&M of green infrastructure.
QUESTIONS?