



What is it?

- *A tool for budgeting total, consultant, and municipal costs of the new MS4 Permit*



Comprehensive Environmental, Inc.
225 Cedar Hill Street
Marlborough, MA 01752
800.725.2550

Ba.

Major Program Component

Notice of Intent (NOI)

Stormwater Management Program (SWMP) Plan

Minimum Measure 1 - Public Education

Residents

Commercial

Developers

Industrial

target two audiences per year with two messages

over the permit term spaced one year apart

Minimum Measure 2 - Public Participation

Provide public with an annual opportunity for participation

Minimum Measure 3 - IDDE

Update bylaw or other regulatory mechanism

Update written IDDE Plan

Priority rank outfalls based on topography

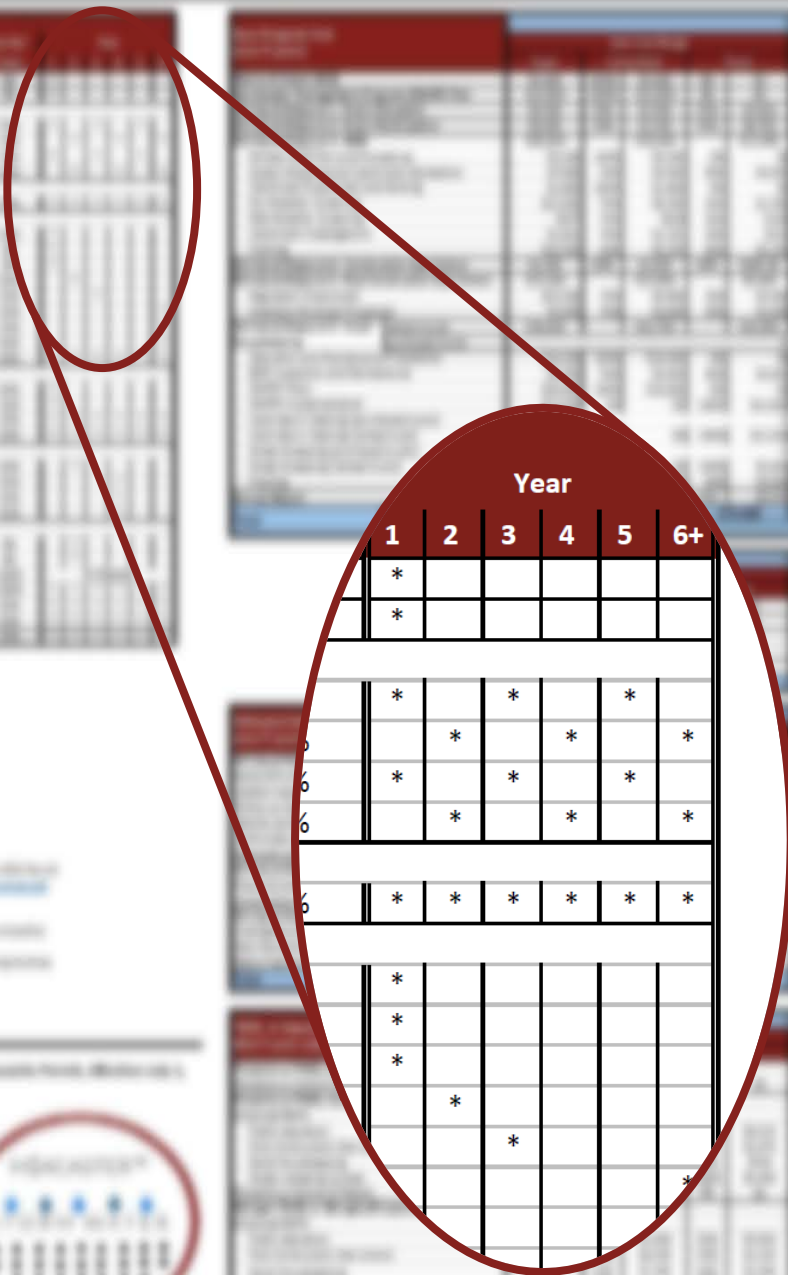
Map all outfalls and open channel conveyances

Inspect High and Low priority outfalls during dry weather

and wet weather sampling where SVFs identified

at inspection manholes

Key Feature:
summary of major
program components



*Key Feature:
schedule for
implementation by
year*



3.4 Community Assumptions		Community	
		Quantity	
General			
Population		5,000	
Number of households		1,938	
Population in regulated area		2,000	
3. Illicit Discharge, Detection, and Elimination			
# of outfalls		25	
# of catch basins		250	
# of key junction manholes	50	75	
# of outfalls flowing during dry weather		1	
# of catchments w/ SVFs for wet sampling		6	
# of illicit discharge incidents		1	
4. Construction Site Control			
# of construction projects/year with inspections paid by Town		1	3
5. Construction Site Control			
# of committee-owned facilities for evaluating BMP options		5	
6. Stormwater Management			
# of stormwater BMPs		5	

*Key Feature:
community-specific
input for custom
budget estimates*

Base Program Schedule		
	% Complete	W Cons
	0%	100
(IP) Plan	0%	100
	Ongoing	25%
er year with two messages	Ongoing	25%
aced one year apart	Ongoing	25%
	Ongoing	25%
ty for participation	Ongoing	2
m	0%	
	0%	
	0%	
	0%	

Key Feature:
incorporate work
completed to date



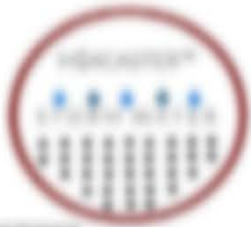
le	Work Performed By*	
	Consultant	Town
Complete	100%	0%
%	100%	0%
%	100%	0%
going	25%	75%
going	25%	75%
going	25%	75%
going	25%	75%
ing	25%	75%
	50%	50%
	100%	0%
	100%	0%
	50%	50%
	5%	5%

*Key Feature:
breakdown of town
and consultant
workload*



Community									
Low Cost Range					High Cost Range				
Total	Consultant		Town		Total	Consultant		Town	
\$1,000	100%	\$1,000	\$0	\$0	\$11,200	100%	\$11,200	\$0	\$0
\$12,800	100%	\$12,800	\$0	\$0	\$20,400	100%	\$20,400	\$0	\$0
\$1,400	75%	\$1,400	75%	\$700	\$7,800	75%	\$11,700	75%	\$5,850
	75%	\$1,200	75%	\$900	\$17,600	75%	\$13,200	75%	\$10,200
		\$500		\$12,000	\$18,000		\$4,200		\$10,800

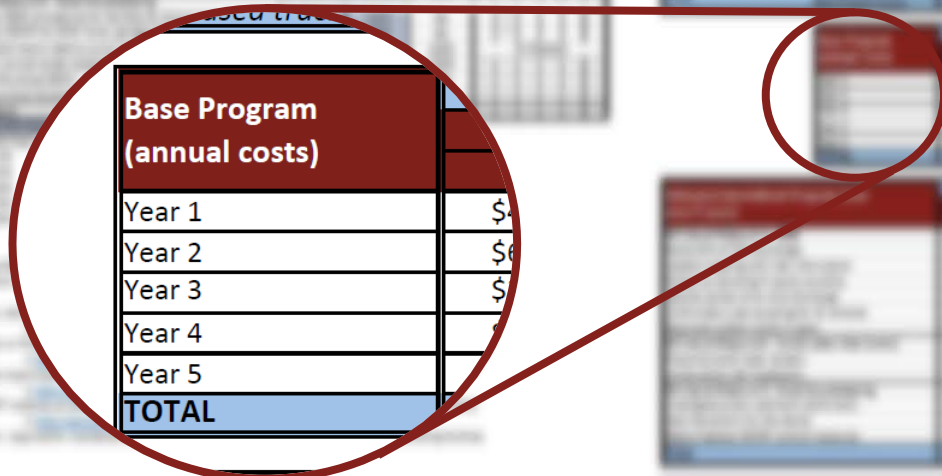
Key Feature: range of costs, low to high for total, town, and consultant



**Base Program Cost
(over 5 years)**

Notice of Intent (NOI)
Stormwater Management Program (SWMP) Plan
Minimum Measure 1 - Public Education
Minimum Measure 2 - Public Participation
Minimum Measure 3 - IDDE
Written IDDE Plan and Procedures
System Mapping and Catchment Delineation
Catchment Assessment and Ranking
Dry Weather Screening
Wet Weather Screening
Catchment Investigations
Training
Minimum Measure 4 - Construction Site Control
Minimum Measure 5 - Post Construction Site Control
Regulation Assessment
Inventory of Municipal Properties

Key Feature: costs provided for total base program



Base Program (annual costs)	
Year 1	\$
Year 2	\$
Year 3	\$
Year 4	
Year 5	
TOTAL	

Key Feature: base program costs provided per year



**Estimated Intermittent Program Costs
(over 5 years)**

Minimum Measure 3 - IDDE

- Notify EPA of SSO discharges
- Update mapping with new information
- Follow-up sampling if results are dirty
- Identify parties of an illicit discharge
- Confirmatory wet sampling for ID removal
- Resample outfalls within 5 years

Minimum Measure 4 - Construction Site Control

- Preconstruction peer reviews
- Construction site inspections

Minimum Measure 6 - Good Housekeeping

- Investigate excess sediment catchment
- Take actions for the above



Key Feature: cost estimate provided for intermittent costs

**TMDL or Impaired Waterbodies
(first 5 years only)**

Phosphorus TMDL, In-State

Phosphorus Control Plan

Phosphorus TMDL, Out-of-State

Enhanced BMPs

Public education

Post Construction Site Control

Good Housekeeping

Street sweeping 2x/year

Phosphorus Source ID Report

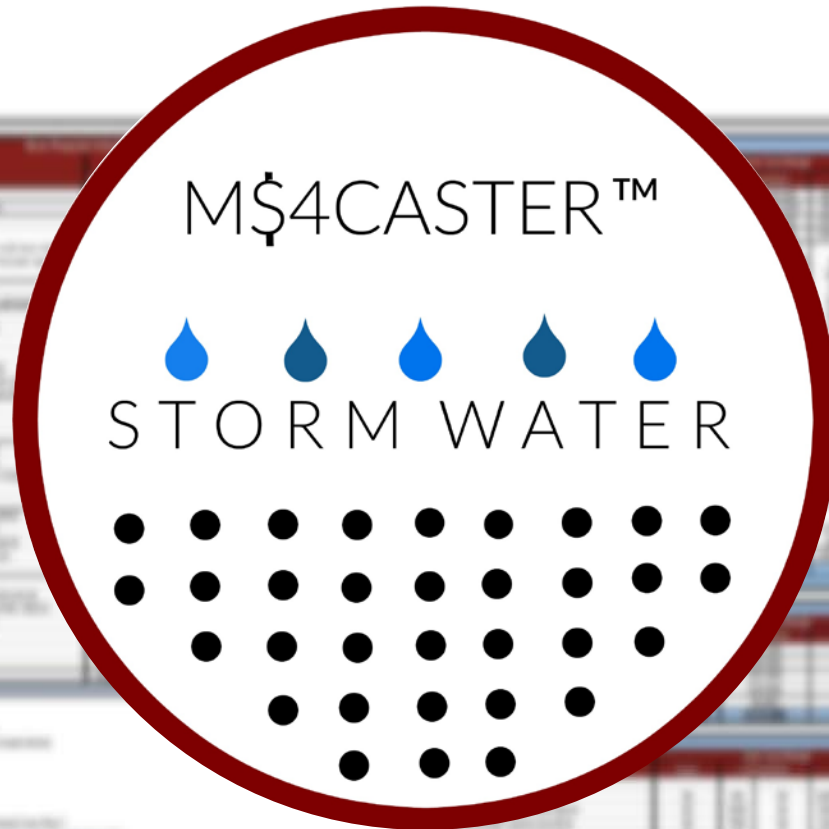
Nitrogen TMDL or Nitrogen/Phosphorus

Enhanced BMPs

Public education

Key Feature: cost estimate provided for TMDL and impaired waters requirements





Key Feature Summary:

- *Summary of major program components*
- *Schedule for implementation*
- *Community-specific input*
- *Incorporate work completed to date*
- *Breakdown of town & consultant workload*
- *Range of costs, low to high for total, town, and consultant*
- *Costs provided for:*
 - *Base program, for first 5 years*
 - *Intermittent cost estimate*
 - *Impaired and TMDL waters*

For more information, contact CEI:



Comprehensive Environmental, Inc.
225 Cedar Hill Street
Marlborough, MA 01752
800.725.2550