

# Regional and Statewide EAB Management

A more environmentally sound, cost-efficient  
alternative to a city-by-city approach

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What do you see when you see a tree?



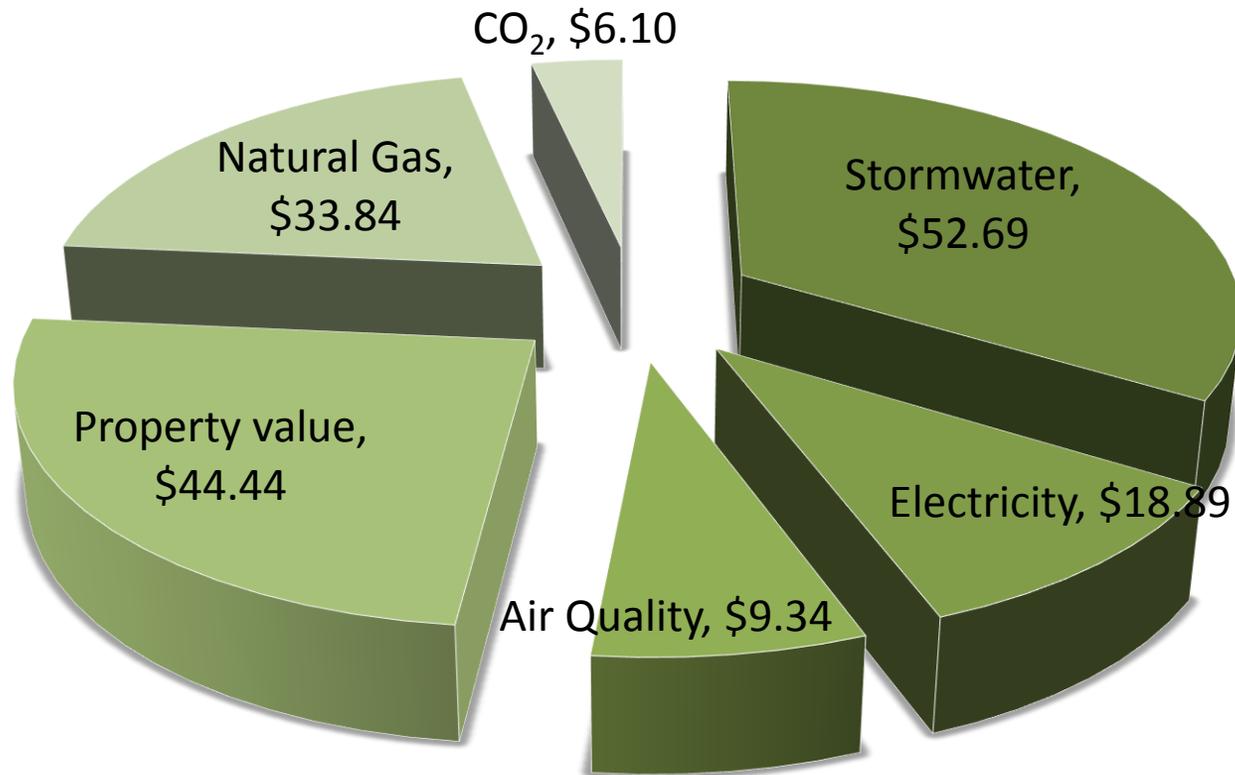


## Tree Benefits as Green Infrastructure

A 18" DBH (diameter at breast height)  
ash tree provides benefits of \$165 per year

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From the National Tree Benefits Calculator, [www.treebenefits.com/calculator](http://www.treebenefits.com/calculator)

# Infrastructure Superhero

- Reduce stormwater runoff
- Save energy
- Store carbon
- Improve air quality
- Improve human health
- Reduce crime
- Reduce noise
- Popular with the people







*June 2006*



*June 2009*

*Toledo, OH. EAB discovered in 2003*

Photos courtesy Dr. Dan Herms

# Research Points to a New Strategy Utilizing Treatments and Cooperative Management

## Evaluation of potential strategies to SLOW Ash Mortality (SLAM) caused by emerald ash borer (*Agrilus planipennis*): SLAM in an urban forest

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## A bioeconomic analysis of an emerald ash borer invasion of an urban forest with multiple jurisdictions

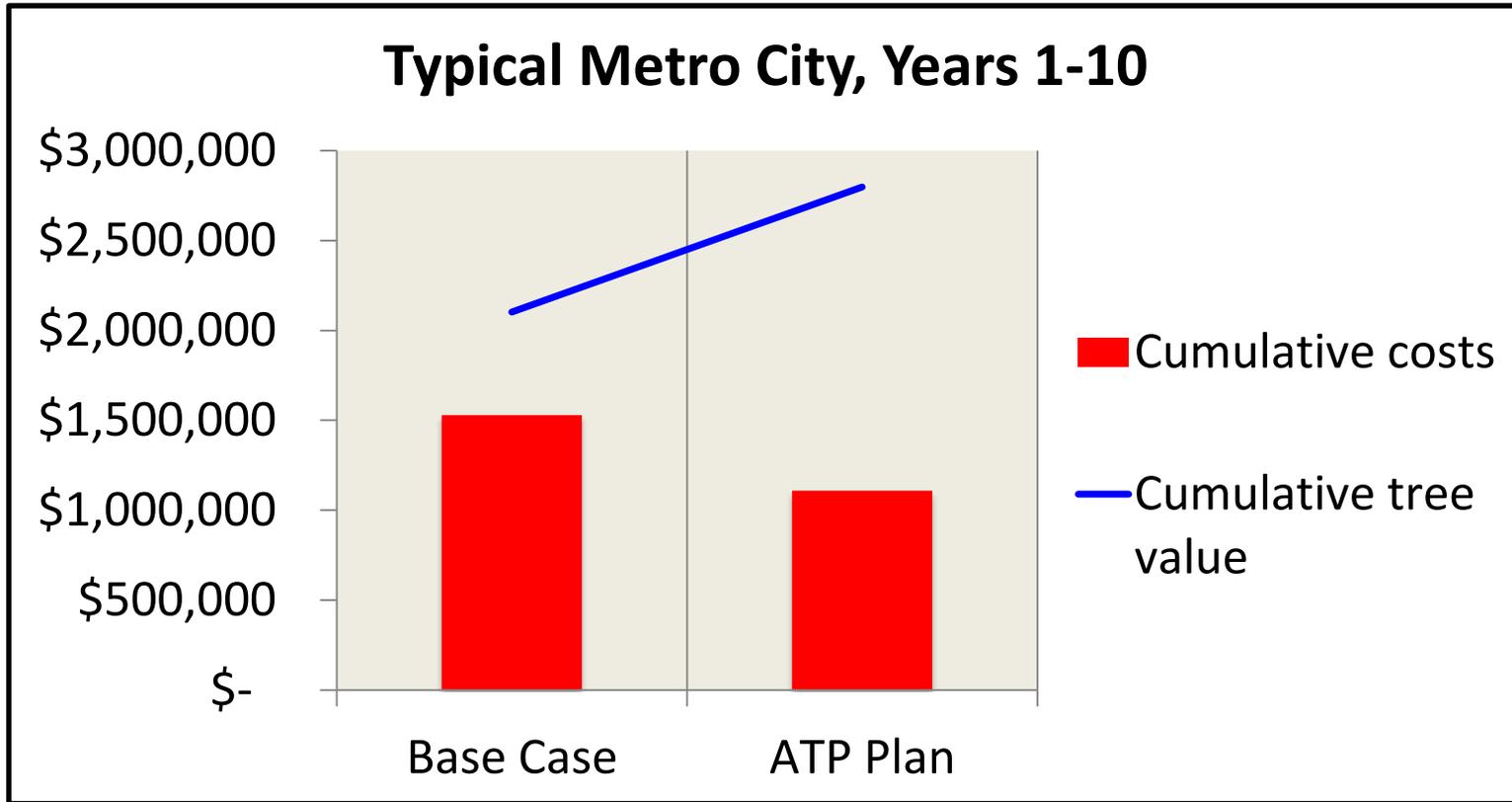
Kent F. Kovacs<sup>a,\*</sup>, Robert G. Haight<sup>b</sup>, Rodrigo J. Mercader<sup>c</sup>,  
Deborah G. McCullough<sup>d,e</sup>



# Benefits of Treatments

“Strategies with insecticide treatment are superior to ones with pre-emptive removal because they reduce the quantity of susceptible trees at lower cost and protect the benefits of healthy trees.”

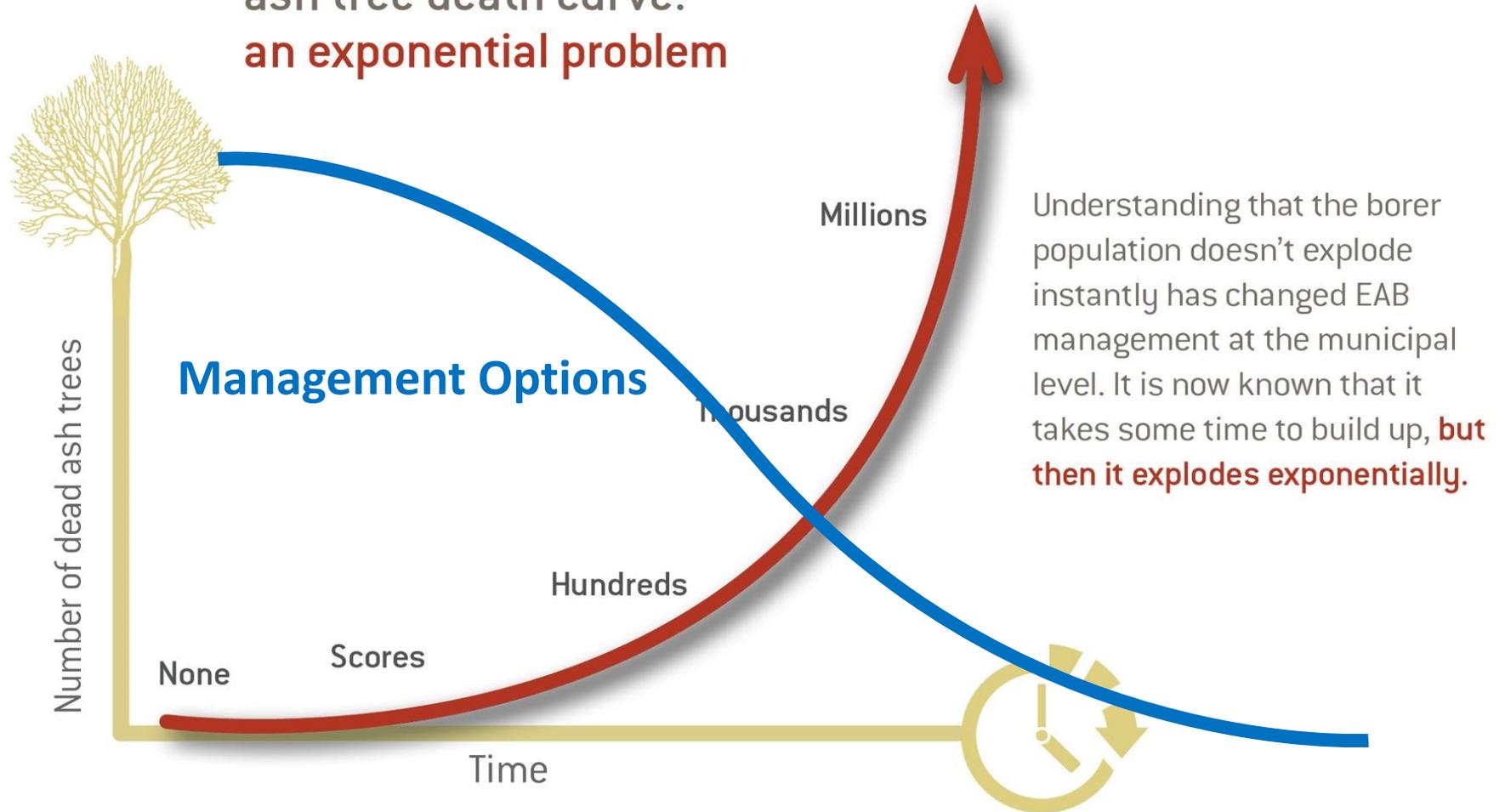




**Takeaway:** Using data from 17 Twin Cities suburbs and the Ash Tree Preservation (ATP) Plan, a typical city is facing approximately \$1.5 million in EAB management costs over the first 10 years of an infestation if it relies solely on a strategy of removal and replacement of city trees (the Base Case). By comparison, the ATP Plan's integrated pest management strategies can cut costs by about 30% and increases the cumulative tree value by a third.

# Being Proactive is Crucial

ash tree death curve:  
an exponential problem



# Better EAB Management Through Regional Cooperation

We want the State of Minnesota to create community forest preservation program with guidance and financial support that helps local governments preserve their high-quality ash trees and sustain a coordinated attack on the EAB infestation.

# Call to Action

This State has the opportunity to do what no other state in the country has done;  
to centrally manage and fund a statewide EAB strategy.

This is the time and the place for the first state wide community forest preservation program.

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