

Emerald Ash Borer and Your Community: What You Can Do Now



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MA-DCR Urban & Community Forestry

Things we know



Ash Trees in Massachusetts Municipalities

- **~5%** of street trees
- Western vs. Eastern Massachusetts
- Other issues facing ash trees



EAB Impacts on Municipalities

- Green and white ash are common urban trees
- Hazardous dead and dying trees
- Removal costs
- Treatment costs



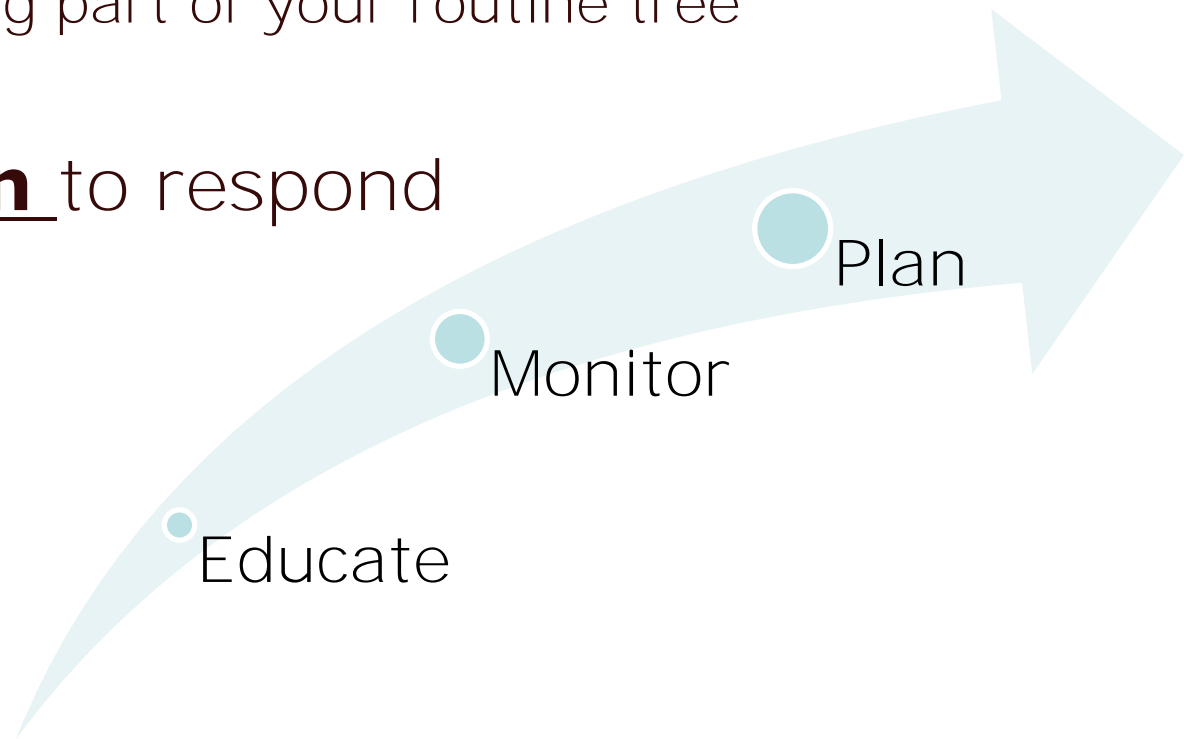


Be Ready for EAB— Why it's Important

- Spread cost & loss over a longer period of time
- Coordinate with surrounding communities
- Be prepared and ready to act
- It is coming whether you prepare for it or not

What Can You Do Now?

- **Educate** yourself on ash identification and signs and symptoms of EAB
 - Report suspected findings
- **Monitor** for signs and symptoms of EAB
 - Is pest monitoring part of your routine tree management?
- **Develop a plan** to respond



What is an EAB Response Plan?

- Written document outlining **objectives** and **approaches** to address and mitigate the **impact of EAB** on the urban forest



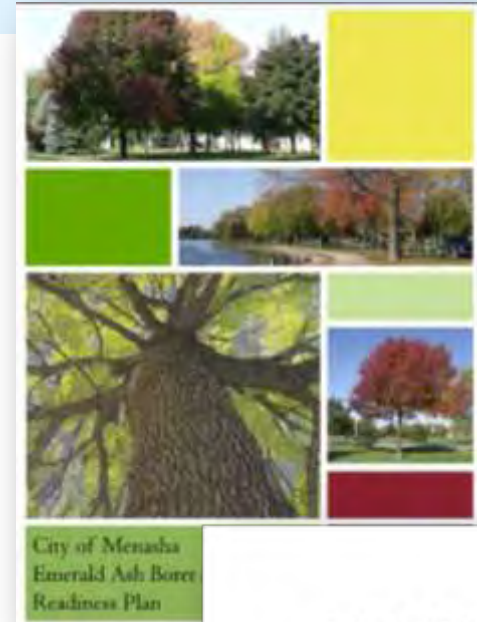
DEPARTMENT OF
NEIGHBORHOOD SERVICES
PUBLIC WORKS DIVISION
FORESTRY

EMERALD ASH BORER
RESPONSE PLAN



Parts of a Response Plan

- Administration
- Communication
- Inventory
- Education and outreach
- Update or enact ordinances
- Wood utilization and disposal
- Replanting
- Partnerships
- Budget
- Impacts of EAB on general urban forest management



CITY OF RIVER FALLS
EMERALD ASH BORER
COMMUNITY PREPAREDNESS
PLAN



Parts of a Response Plan

1. Administration

- Who will be in charge of the response?
 - Tree warden, arborist, forester, landscape professional
- Coordinate with state and federal officials



Parts of a Response Plan

2. Communication

- Brief public officials
- Set a regular schedule for **informing** officials of the **status** of the infestation and response
- Keep the public informed



Parts of a Response Plan

3. Inventory

- **All** public trees (and private trees that could impact public property)
- **Only ash** trees if time or resources do not allow a complete inventory
 - Know what is at stake
 - Estimate costs

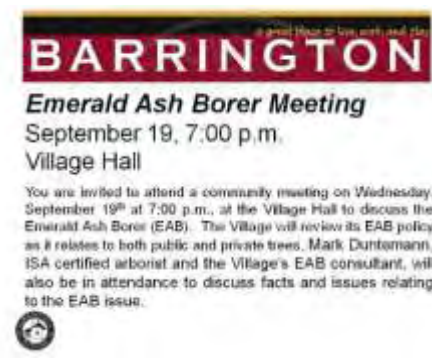


Boone County IL Master Gardeners conduct award-winning ash inventory, www.garden.org

Parts of a Response Plan

4. Education & Outreach

- To residents and stakeholders
 - Newspaper, presentations, internet, meetings
- Volunteers
- Train town and municipal employees in EAB



Parts of a Response Plan

5. Update or enact ordinances

- Infested/diseased trees or wood
- Limit movement of firewood
- Promote tree preservation
- Clarify actions for private trees that endanger the public
- Enact or modify ordinances to be broad enough to address future pests

[Back to What's New Listing](#)

POSTED: Thursday, October 22, 2009



**MPRB updating tree ordinances to respond to EAB
and other tree diseases**

Minneapolis Tree Advisory Commission presents annual report

Parts of a Response Plan

6. Wood utilization and disposal

- Identify where wood will go
 - Mulch, lumber, cogeneration
- Potential staging areas for processing
- Quarantine restrictions
- Train employees and businesses that utilize trees on proper handling of ash



Parts of a Response Plan

7. Replanting

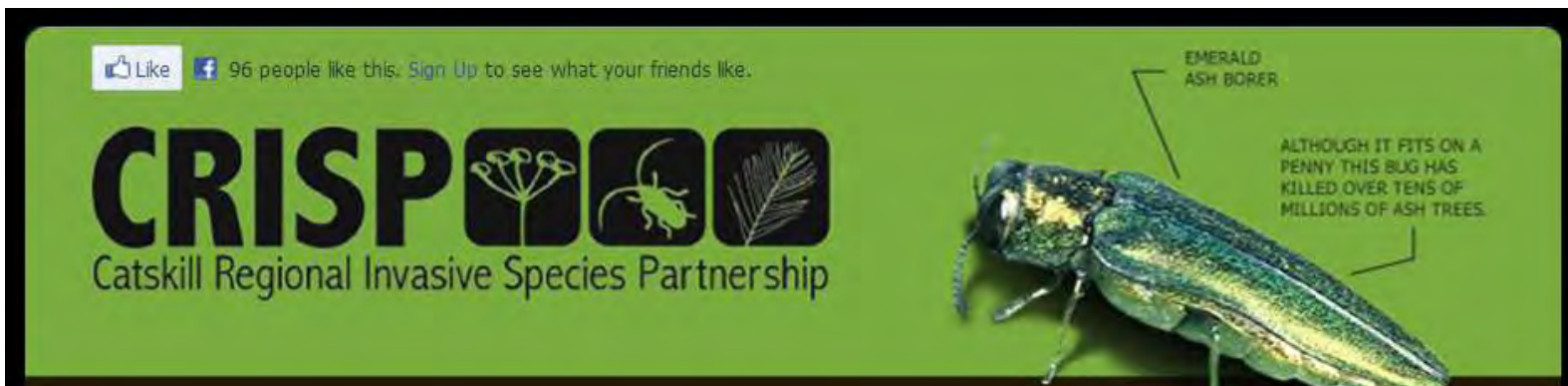
- Vacant sites
- Diversity
- Use your inventory
- Ask MA Urban & Community Forestry Program for guidance
- Grants available for replanting (MA-DCR Urban and Community Forestry Challenge Grants)



Parts of a Response Plan

8. Partnerships

- Departments
- Communities
- Local groups
- Utilities
- State and federal officials
- Others



Parts of a Response Plan

9. Budget

- Project budget costs
 - Removal
 - Treatment (forestry or chemical)
 - Wood utilization or disposal
 - Use EAB cost calculator to estimate costs for different courses of action
- <http://extension.entm.purdue.edu/treecomputer>



Parts of a Response Plan

10. Impacts of EAB response on general urban forest management

- Shift resources from day-to-day management
- Prioritize work



Response Scenarios

Remove
and replace
all ash

Remove some,
treat some
(to buy time for
removal)

Remove some,
treat some to
preserve; treat
some to buy time
until removal

Treat all trees

Other
scenarios...

Considerations

- Cost
 - Treatment application \$3-\$10 per DBH inch (Central NY Estimate)
 - Removal can cost hundreds to over a thousand dollars
- Liability and safety
- Aesthetics / Benefits of trees



David Cappaert

Chemical Treatment

- Healthy trees
- Trees with light infestation may not show signs
- Prioritize treatment
- When to start
 - 10-15 miles



Insecticides for Treatment

- **Check** resources for up to date information on **effectiveness** and **options** that are **approved in Mass.**
 - *Insecticide Options for Protecting Ash Trees from Emerald Ash Borer* publication online
 - *Emeraldashborer.info*





St. Paul, Minnesota, 2009



St. Paul, Minnesota, 2009

Replanting



- Replant non-ash
- Start planting now
- Improve diversity
- Use inventory
- 10-20-30 guideline
 - No more than
 - 10% of a species
 - 20% of a genus
 - 30% of a family



Some Replanting Selections



Kousa dogwood
Kentucky
coffeetree
Littleleaf linden
White oak
Fringetree
Dawn redwood
Sweetgum



Replanting

- Volunteer events
- Contract planting
- DPW / Tree Department plantings



Pittsfield



Southbridge

Working With Local Groups

- Local tree groups, garden clubs, citizen **groups, others...**
 - Inventory & Monitoring
 - Planting
 - Educational programs
- Community involvement & support



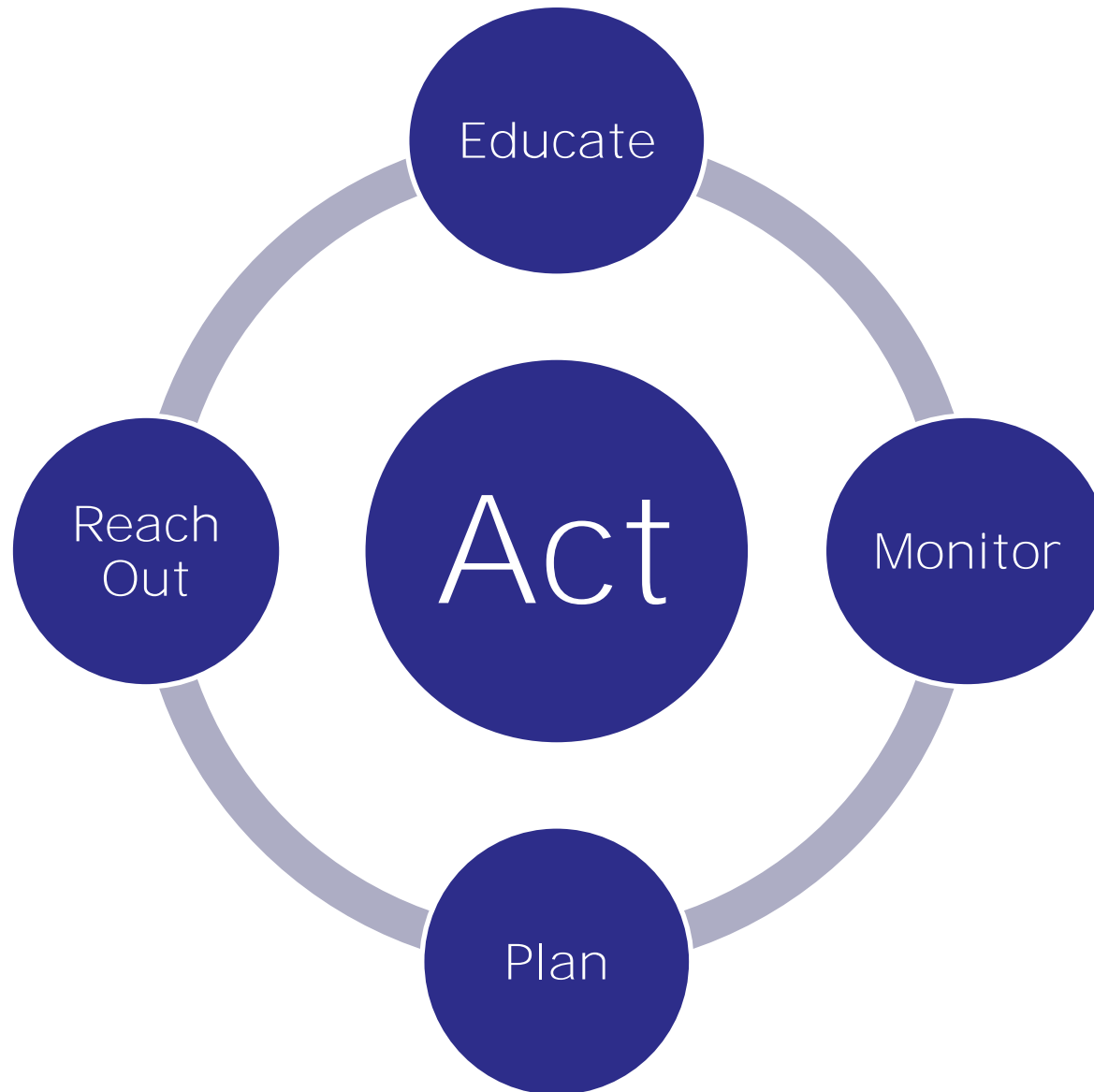
When EAB Arrives

- **Implement** your plan
- **Contact** your urban & community forestry program for any guidance
- Stay alert!

“New scam targets alleged tree removal due to emerald ash borer”—WTAQ Wisconsin, 8/14/12



What You Can Do Now

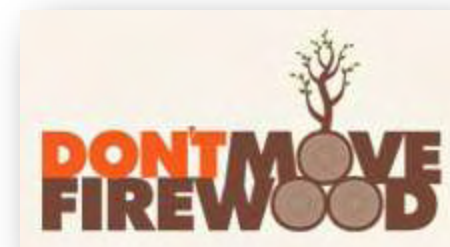


EAB Resources

- <http://massnrc.org/pests>
- www.emeraldashborer.info
- www.stopthebeetle.info
- <http://na.fs.fed.us/fhp/eab/>
- www.dontmovefirewood.org/



Highway outreach



STOP THE BEETLE

MA-DCR Urban & Community Forestry

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