



# Operations Division

## Sections:

Sanitation

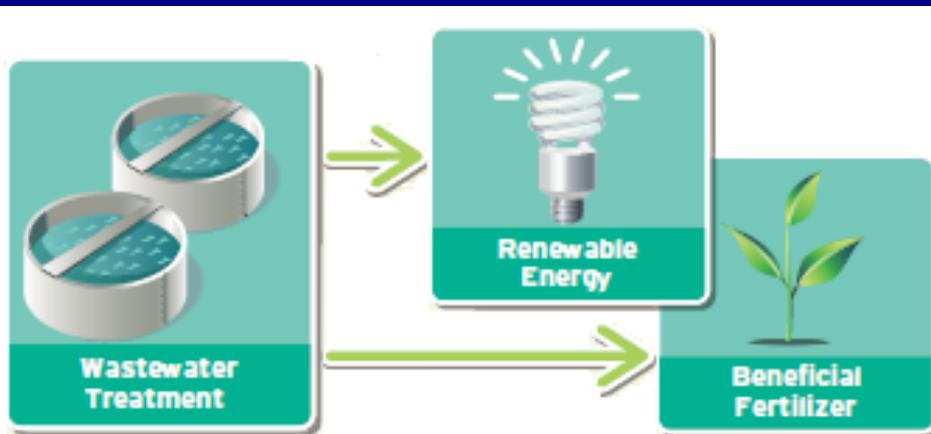
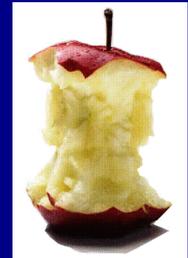
Forestry

Fleet

# **Sanitation Services**

# Food Waste Reduction Demonstration & Study Project

- City of Milwaukee and InSinkErator® partnership
- In-Sink Disposers study group: 75-100 homes
- Compost bins study group: 75-100 homes



# Leaf Collection



- Citizens can rake leaves to curb from Oct 1<sup>st</sup> – Nov 15<sup>th</sup>
- Enter address on DPW webpage for next leaf pickup date



### 2011

- 1 cubic yard outside the cart ✓
- Extra garbage cart fee ✓
- Negotiated Single Sort Recycling ✓

### 2012

- Single Sort Recycling fully implemented ✓
- Expand 2 Week Recycling Pilot ✓
- New cart contract ✓

### 2013 - 2014

- 5 automated collection routes ✓
- Food Waste Program Pilot ✓
- New recycling & solid waste & contracts

### 2015 – 2020

- Food Waste Program
- Every 2 Week recycling
- Other diversion opportunities
- Right sizing carts

# Recycling on the Rise



- 5.8% increase in recycling tons from 2011 to 2012
- Another 3.8% increase through Sept 30, 2013 vs. Jan-Sept 2012
- >2,000 ton/yr increase vs. 2009



# MRF Update

- RFP jointly issued w/ Waukesha County
- Proposals due Nov. 12<sup>th</sup>
- 3 Options
  - Process at Mt. Vernon, new public MRF equip.
  - Transfer to existing MRF from Mt. Vernon
  - Transfer/direct haul to new private MRF or other creative option



# Year Round Cart Set Out

**Current Winter –  
Up the drive**



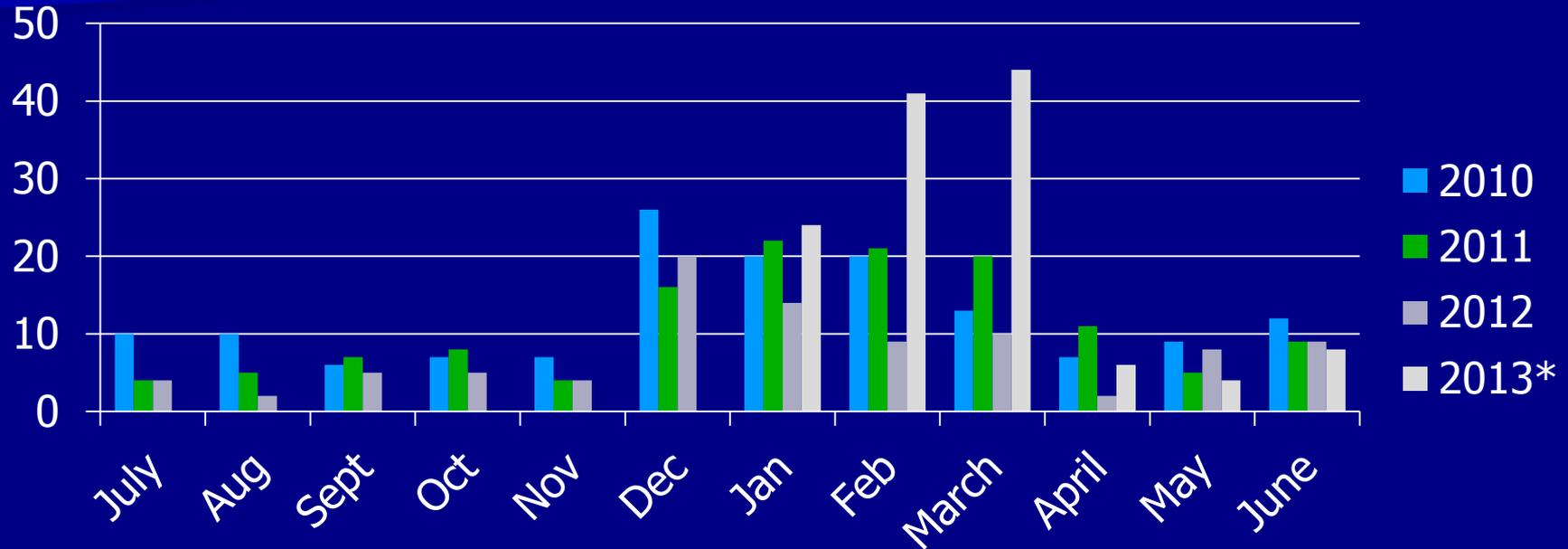
**Proposed Winter –  
From the curb**



**December – March**

# Year Round Cart Set Out

## Improved Employee Safety



- Reduced worker injuries from slips & falls
- Proposed reduction of \$150,000 in worker's comp fund

# Year Round Cart Set Out

## Reliable Schedule

### Dec 2013 (Automated)

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

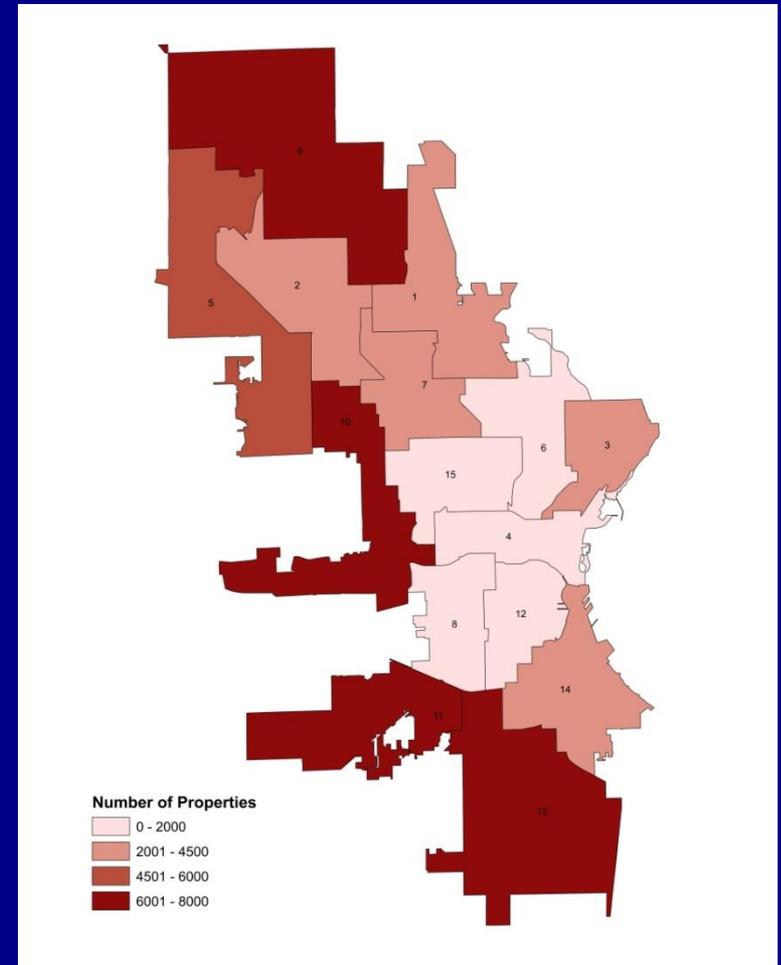
# Year Round Cart Set Out

## General Plowing Days

- Average of 4X per year
- E-Notify, website updates and news media
- Residents place carts at curb after plowing
- Cart collection resumes day after plowing
- Recycling would be caught up on Saturday

# Year Round Cart Set Out Up the Driveway Properties

<u>Aldermanic District</u>	<u># of properties</u>
11	7,984
10	6,646
9	6,403
13	6,358
5	4,914
1	4,217
2	3,870
3	3,039
7	2,590
14	2,380
6	1,964
12	1,345
15	1,260
8	1,207
4	603
<b>Total</b>	<b>54,780</b>



# Year Round Cart Set Out

## Future Operational Improvements

- Expanded use of automated trucks
- Ultimately – same collection day year round
- Explore alternative work schedules
- Potential scheduled bulk/brush pickup days

# Automated Collection

- Automated collection
  - 3 Recycling Routes
  - 2 Garbage Routes
- 2014 savings
  - 1 Laborer FTE
  - \$40,000



# Automated Collection Expansion Criteria

- Set out compliance
- Employee retraining
- Handling excess outside of the cart
- Opportunities for route consolidation
- Snow & ice control operation impacts
- Bulky collections
- Garbage vs. recycling routes
- Alley and driveway collection
- Winter cart set out
- Furlough days & schedules
- New routing software
- Staffing Impacts



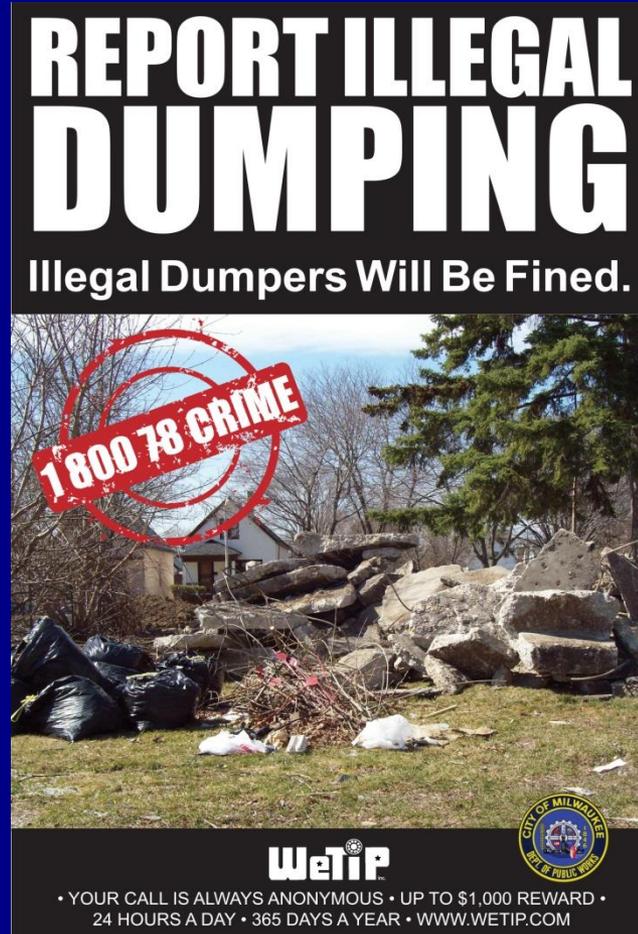
# Self Help

- 2014 Increases fee to \$20 per load for construction debris
- 2010 - 486,900
- 2011 - 693,600
- 2012 - \$709,300
- 2013 projected revenue of \$987,000



# WETIP Hotline

- Implemented May 2011
- Received 191 illegal dumping tips
- 100 residents requested a reward



**REPORT ILLEGAL DUMPING**

Illegal Dumpers Will Be Fined.

**1800 78 CRIME**

**WetIP**

• YOUR CALL IS ALWAYS ANONYMOUS • UP TO \$1,000 REWARD •  
24 HOURS A DAY • 365 DAYS A YEAR • [WWW.WETIP.COM](http://WWW.WETIP.COM)

CITY OF MILWAUKEE  
OFFICE OF PUBLIC WORKS

# Forestry Services

# Top Ten Forestry Award

The image is a screenshot of the American Forests website. At the top, there is a navigation bar with links for 'Log In', 'Contact Us', and 'Newsroom', along with social media icons for Facebook and Twitter. The main header features the American Forests logo (a green tree) and the text 'AMERICAN FORESTS Protecting & Restoring Forests'. To the right of the logo is a 'Site Search' box. Below the header is a 'Get Updates' section with an 'Enter Email' input field and a 'DONATE' button. A horizontal menu contains the following items: 'Who We Are', 'What We Do', 'Why It Matters', 'Our Programs', 'Ways to Give', and 'Discover Forests'. The breadcrumb trail reads: 'Home :: Our Programs :: Urban Forests :: 10 Best Cities for Urban Forests :: 10 Best Cities for Urban Forests: Milwaukee'. The main content area is titled '10 Best Cities for Urban Forests: Milwaukee' and includes social media sharing options (Facebook Like, 143, Twitter, Email, and a plus sign). Below the title is a large image of the Milwaukee skyline across a lake, with the word 'Milwaukee' and an orange star icon overlaid. On the left side, there is a vertical list of links: 'Urban Forests - Why We Care', '10 Best Cities for Urban Forests', 'Urban Forests Case Studies', 'Tools & Resources', 'Urban Forests & Carbon Markets', and 'Urban Forests - Policy and Coalitions'.

Log In Contact Us Newsroom

AMERICAN FORESTS  
Protecting & Restoring Forests

Site Search

Get Updates: Enter Email DONATE

Who We Are What We Do Why It Matters Our Programs Ways to Give Discover Forests

Home :: Our Programs :: Urban Forests :: 10 Best Cities for Urban Forests :: 10 Best Cities for Urban Forests: Milwaukee

Urban Forests - Why We Care

10 Best Cities for Urban Forests

Urban Forests Case Studies

Tools & Resources

Urban Forests & Carbon Markets

Urban Forests - Policy and Coalitions

10 Best Cities for Urban Forests: Milwaukee

Like 143

# Soil Screening

- Trommel Screen purchased for \$133,000
- Saves ~ \$60,000 a year in topsoil
- Gain-sharing budget reduction: \$30,000



# Wood Utilization



# City Owned Land Management

- Good neighbor standard
- \$715,000 for vacant lot maintenance
- \$1,222,000 for In-Rem Property



# Hazard Trees



- Payments can now be spread over 6 years on tax roll
- Helps homeowners manage unbudgeted removal cost

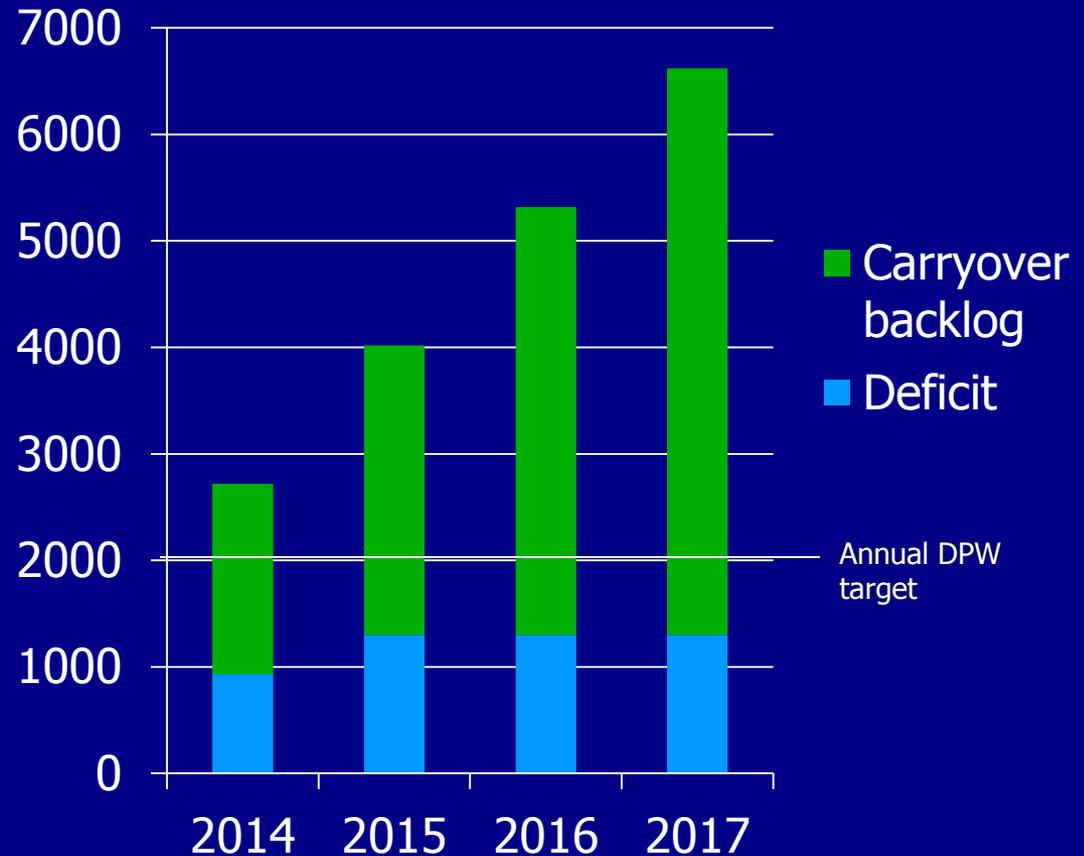
# 7 Inch Weed Rule



- Common Council changed from 9 inches to 7 inches
- Improves appearance of city
- Allows for city wide sweeps
- Revenue offsets enforcement costs

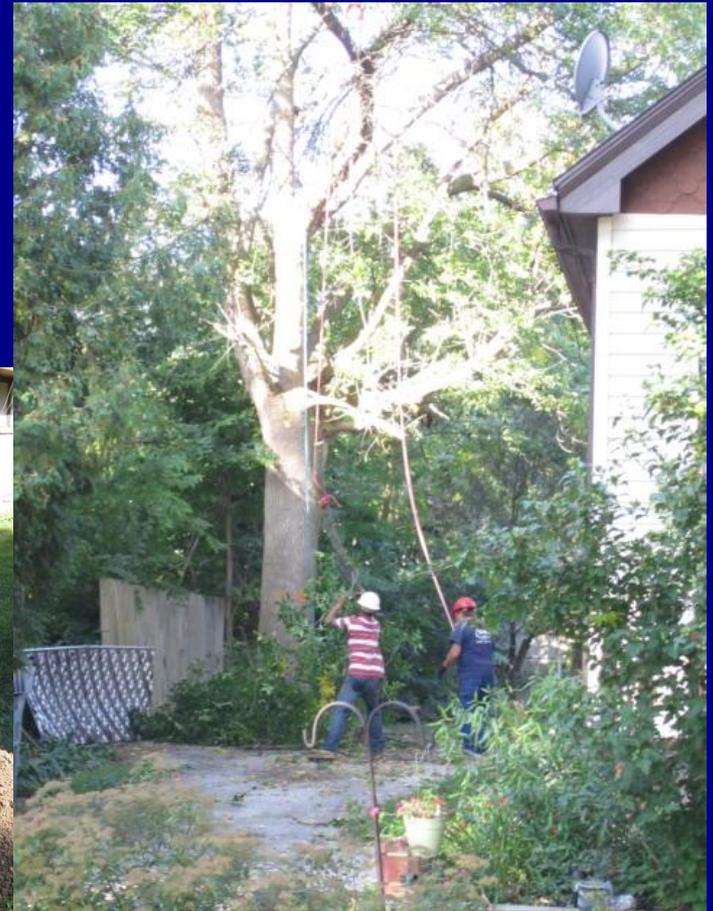
# Stump Removal

- Each year Forestry generates  $\sim 3,300$  stumps
- Each year Forestry staff grinds  $\sim 2,000$  stumps

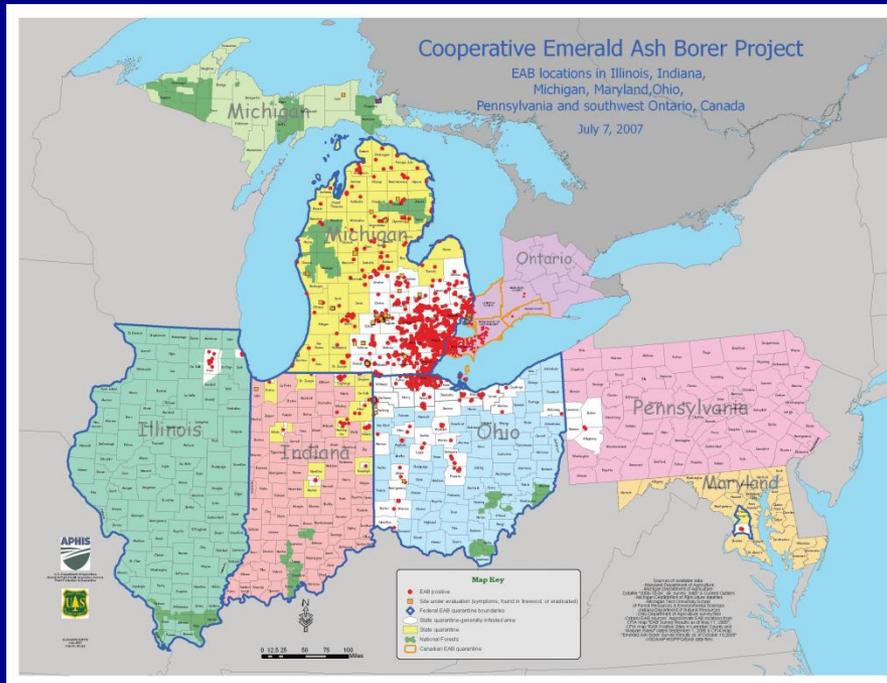


# Emerald Ash Borer Mitigation Grant

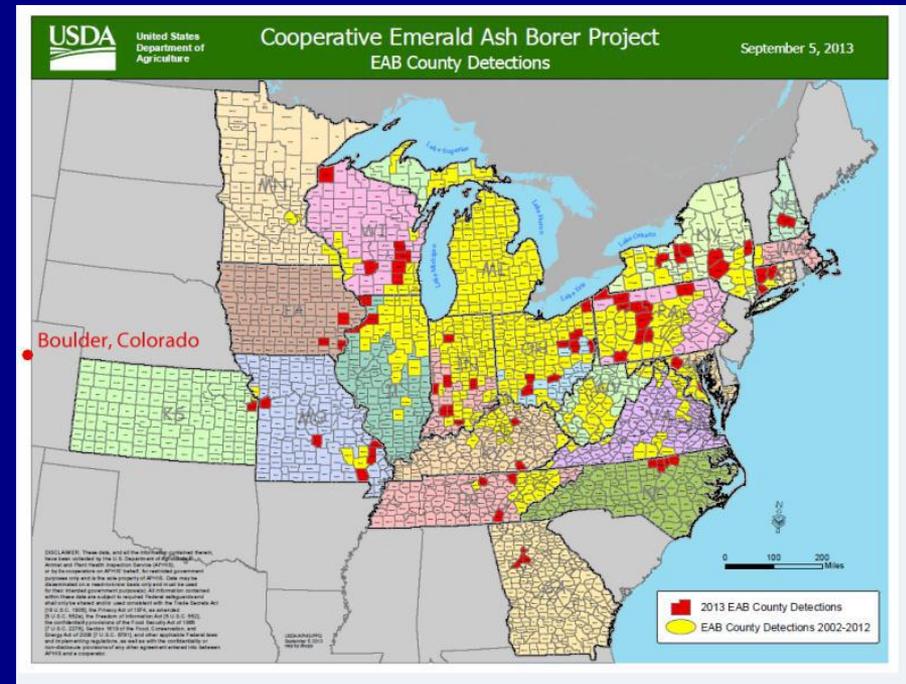
- Ash Removal/replacement or treatment – Private Property
- 121 Ash trees treated
- 192 Ash trees removed and replaced



# Emerald Ash Borer



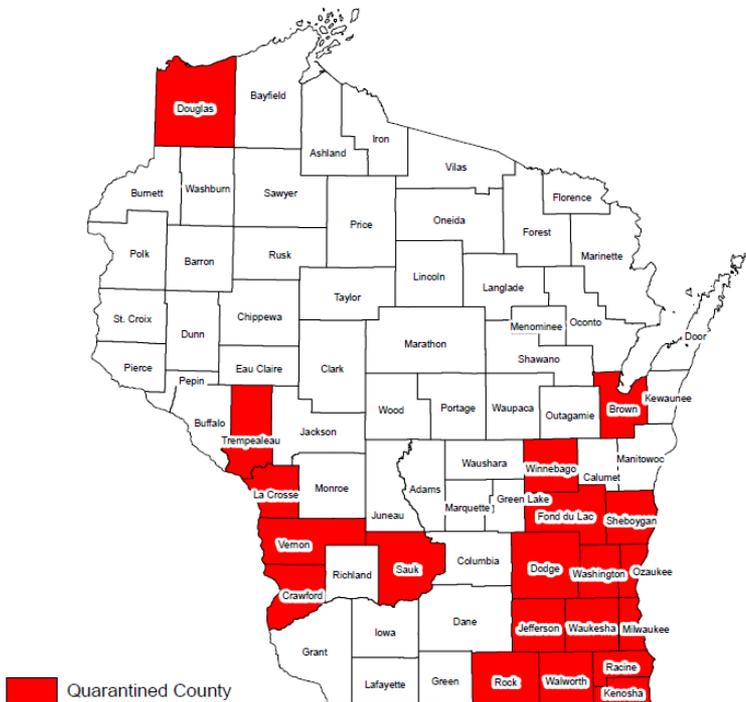
July 2007  
6 states; 1 Canadian  
province



September 2013  
21 states; 2 Canadian  
provinces

# Emerald Ash Borer

## Emerald Ash Borer Quarantined Counties August 2013



EAB detected 88<sup>th</sup> and Adler Street

# Fleet Services



# Top 100 Fleets in North America



## ■ This award:

- Recognizes peak performing governmental fleet operations
- Allows benchmarking with other fleet operations
- Identifies and encourages performance improvement
- Distinguishes Milwaukee's fleet among over 25,000 eligible fleets

# VST Re-Class



- Eliminated barrier between Light and Heavy Repair
- 63% increase in certifications earned
- 55% increase in Master Certifications
- Dual Master Certifications jumped from 2 to 15 techs



# Demolitions

- 6 person crew
- \$896,000 in special fund
- Goal of 100 homes



# MPD Reimbursable Changes



- Reimbursable will no longer be used for MPD vehicle repairs
- Funding is in Fleet Budget
  - \$300,000 in Tools & Machinery Parts
  - \$400,000 in Vehicle Repair Services
  - \$400,000 in Salaries
- \$1.1m total

# Compressed Natural Gas Vehicles



- Currently diesel is \$3.434 per gallon
- CNG retail cost is \$1.299 per gasoline gallon equivalent (GGE)
- Projected fuel savings of \$257,500 in 2014

- 21 CNG Packers currently in fleet
- Savings of ~ \$6,500 per vehicle in fuel on CNG vs. diesel
- Current grant provides 80% marginal cost for another 20 CNG Packers
- Currently 3 CNG cars
- 5 CNG Cargo Vans delivered in 2014



# Fleet Repairs



## Equipment Availability 2012

	<u>Goal</u>	<u>Avg.</u>	<u>% In Service High/Low</u>
• Light Equipment (882 Pcs.):	95%	90.6%	94.3 / 87.8
• Police Equipment (757 Pcs.):	95%	94.9%	98.0 / 89.8
• Heavy Equipment (760 Pcs.):	90%	90.1%	93.0 / 86.2

