DANE COUNTY, WISCONSIN’S WOOD STOVE CHANGEOUT PROGRAM
AND OTHER REGION 5 WOOD SMOKE INITIATIVES

2010 State-EPA Environmental Innovation Symposium
November, 4 2010

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Agenda

- Dane County Wood Stove Changeout Grant
- Dane County Clean Air Coalition’s Wood Stove Changeout Program
- The Dane County Burn Wise Education and Outreach Campaign
- Region 5 Tools
- SEP Training to Enforcement Staff
- Region 5 Tribal Air Meeting
- Looking Ahead...
Dane County Wood Stove Changeout Grant

- Discretionary Funds from US EPA, Region 5, Air and Radiation Division: $50,000

- Request for Proposals (RFP) for a Wood Stove Changeout Project in Dane County, Wisconsin

- Dane County chosen using emissions maps from 2008 PM2.5 data

- Deadline for proposals: June 10, 2010
Dane County Clean Air Coalition’s Wood Stove Changeout Program

- On July 30, 2010, EPA awarded Dane County Clean Air Coalition a grant for $50,000 to implement a wood stove changeout program in Dane County, Wisconsin.

- Project Funding: $59,350
  - US EPA: $50,000
  - Clean Air Coalition: $1,600
  - Other: $7,750

- “To achieve permanent, measurable reduction of PM2.5 and other air emissions in Dane County by replacing existing, highly-polluting stoves and educating the public about air emissions from wood-burning.”

- September 2010 – August 2011
The Dane County Burn Wise Education and Outreach Campaign

EPA’s Burn Wise booth at Top Hat Fireplace & Chimney in Dane County, Wisconsin
The Dane County Burn Wise Education and Outreach Campaign (cont.)

Wood moisture display at Top Hat Fireplace & Chimney in Dane County, Wisconsin
The Dane County Burn Wise Education and Outreach Campaign (cont.)

Dane County Clean Air Coalition’s Project Coordinator, Lisa MacKinnon, and Hearth, Patio, and Barbecue Association’s Regional Representative, Karen Teske-Osborne, educate residents on proper wood burning techniques at Top Hat Fireplace & Chimney in Dane County, Wisconsin.
The Dane County Burn Wise Education and Outreach Campaign (cont.)

Live burn demonstration at Top Hat Fireplace & Chimney in Dane County, Wisconsin
The Dane County Burn Wise Education and Outreach Campaign (cont.)

Top Hat Fireplace & Chimney’s Owner, Roy Mjelde, discusses the secondary combustion principle of EPA-certified wood stoves at Top Hat Fireplace & Chimney in Dane County, Wisconsin.
The Dane County Burn Wise Education and Outreach Campaign (cont.)

Soot accumulation demonstration contrasting a non-EPA-certified stove and an EPA-certified stove at Top Hat Fireplace & Chimney in Dane County, Wisconsin
The Dane County Burn Wise Education and Outreach Campaign (cont.)

EPA's Burn Wise booth at Dane County’s Annual Fire Department Parade in Dane County, Wisconsin
The Dane County Burn Wise Education and Outreach Campaign (cont.)

Dane County Clean Air Coalition’s Project Coordinator, Lisa MacKinnon, educates residents on proper wood burning techniques at Dane County’s Annual Fire Department Parade in Dane County, Wisconsin.
The Dane County Burn Wise Education and Outreach Campaign (cont.)

Press coverage of the EPA’s Burn Wise Education and Outreach Campaign at Dane County’s Annual Fire Department Parade in Dane County, Wisconsin.
The Dane County Burn Wise Education and Outreach Campaign (cont.)

EPA's Burn Wise booth at Madison Public Library in Dane County, Wisconsin
The Dane County Burn Wise Education and Outreach Campaign (cont.)

- Week-long outreach at Dane County area public libraries
- Madison Fire Dept. Smoke Detector Outreach during the month of October
  - Distributing Burn Wise packets to homes with wood stoves
- Similar outreach with other Dane County fire departments
- Public service announcements
  - All major Dane County radio stations
  - Independent Dane County radio stations
- Plans underway to do an on-air announcement
- Point-of-service surveys available at major retailers
  - Was the outreach effective?
  - What outreach was the MOST effective?
Region 5 Tools

- 2008 PM2.5 emissions data from residential wood combustion sources
- Emissions calculator
- And maps…
Region 5 Tools (cont.)

- Region 5 2008 PM2.5 Emissions from Residential Wood Burning Map
Region 5 Tools (cont.)

- Region 5 2008 PM2.5 Emissions from Residential Wood Burning and EJ Map
SEP Training to Enforcement Staff

- February 2010
- Raise awareness about the benefits of wood smoke reduction
- Acknowledge current programs to address wood smoke
- Discuss how SEP’s can be used to fund wood stove changeout projects
What is a Wood Stove Changeout Campaign?

- Raise awareness about the benefits of wood smoke reduction
- US EPA’s National “Burn Wise” Partnership Program
- Introduce Region 5 contact for residential wood smoke issues
Looking Ahead…

- Dane County’s Wood Stove Changeout Outreach Campaign: January 2011

- Dane County’s Wood Stove Changeout Program: February 2011 – August 2011

- Potential wood stove changeout in Indiana using SEP funds as part of Hoosier Energy settlement

- Future work with Region 5 tribes
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