

Scott Bagley
Wood for Warmth
Renewable Heat Services

Heating the Midwest Conference and Expo

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Eau Claire, Wisconsin



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### **Ohio Biomass Installations**

- 25 district energy systems
  - biomass used in a few
- Veterans Affairs Medical Center
- Green Circle Growers (nursery)
- Distributed residential

- Highly automated state-of-the-art facility
- 125 acres
- 600 workers
- distributes ~75 truckloads of plants per day from March through June

Six 800 hp low pressure, hot water Vyncke boilers



- Replaced 1500 hp wood chip fired boiler
  - purchased several years before from a Clarksville, Tennessee sawmill and dry kiln operation

- ~10 truckloads of chips per day
- Supplemented by dried horse manure

## Residential

- Outdoor wood boilers
- Wood stoves

 "Wood for Warmth Renewable Heat Services"

- Renewable heat services
- Local and renewable forest-sourced heat
- Modern high-efficiency technologies

- Close coupling of local forests with end users (translate strong interest and enthusiasm for local food/farming?)
- Initial cordwood focus with pellets and larger chip-based systems later
- Learning from Europe and Northeast

- Developing partnerships
  - Local installers and service providers
    - Renewable energy companies
    - Conventional HVAC companies
  - Manufacturers
  - Suppliers
  - Supporters

- Broadening awareness of modern wood heat option
  - Differentiate
  - Local and state leaders of opinions

- Readying supply
  - Split and cured cordwood
  - Service crew
  - DIY forest owners



- Readying supply (and creating a sense of stable infrastructure and available quality fuel)
  - Central facility
  - Distributed staging





- Developing customer base
  - Modest targets for upcoming season
  - Focus on model projects
  - Slow growth, looking toward 2013



#### **Strategies**

- Marketing
  - Creating a buzz about wood heat





 Utilize concern about new natural gas exploration to showcase wood option

#### Strategies

- Marketing
  - Clean and organized operations



Avoid large wood stores in visible end-use locations

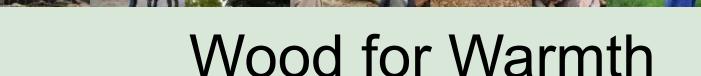


- Marketing
  - Update marketing plan for phase 2



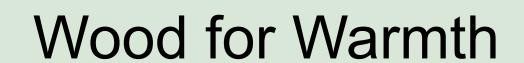
- Financing
  - Focus on low capital outlay

- Services
  - After-sale support packages
  - Some complementary wood at times, such as pre-season tech check
  - Pre-purchasing and leveled billing
  - Delivery frequency suited to customers



**Strategies** 

 Partner with developers of larger projects for supply and to advocate for biomass heat systems



- Learn
- Network
- Advocate



#### Vision

- Expand to adjacent counties, other areas of state
- Larger projects

Vision

Collaborative marketing





Contact

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