

SERBEP and West Virginia: A State Perspective



West Virginia Development Office

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The Energy Efficiency Program

- A unit of the Community Development Division of the West Virginia Development Office.
- Through State and the U.S. Department of Energy (DOE) funding, the Energy Efficiency Program (EEP) provides technical assistance to West Virginia industries, public education, local governments and the transportation sector on energy issues.

www.wvdo.org/community/energy.html

SERBEP Organizational Goal

- To improve government and industry capabilities and effectiveness in the production and use of biomass resources,
- To support planning efforts that make these resources available,
- To encourage economic development through private and public investment in biomass technologies, and
- To engage in research projects that demonstrate biomass technology applications.

SERBEP Organizational History and Focuses 1985-1999

- 1983 - SERBEP established as part of DOE Regional Biomass Program. 13 States represented. Later expanded to include PR, VI and DC.
- Focus is two-fold;
 - Establishment of state programs
 - Biomass technology promotion - Over \$176 million in new technology applications was developed through SERBEP funding during the period that TVA operated the program.

SERBEP Organizational History and Focuses 2000 - Present

- 1999 – The SSEB was awarded the contract to operate SERBEP as part of SERBP – The Southeastern Regional Biomass Partnership. SERBEP constitutes the state program activities of Southern States Biomass Alliance. SSEB provides a more “political” rather than technological focus. This fits well in supporting a maturing biomass market.
- 2002 - A shift in focus by the DOE Office of Biomass Programs has resulted in a renewed state public and industrial sector educational outreach efforts. This reflects the maturing nature of biomass technologies.

What SERBEP Provides States

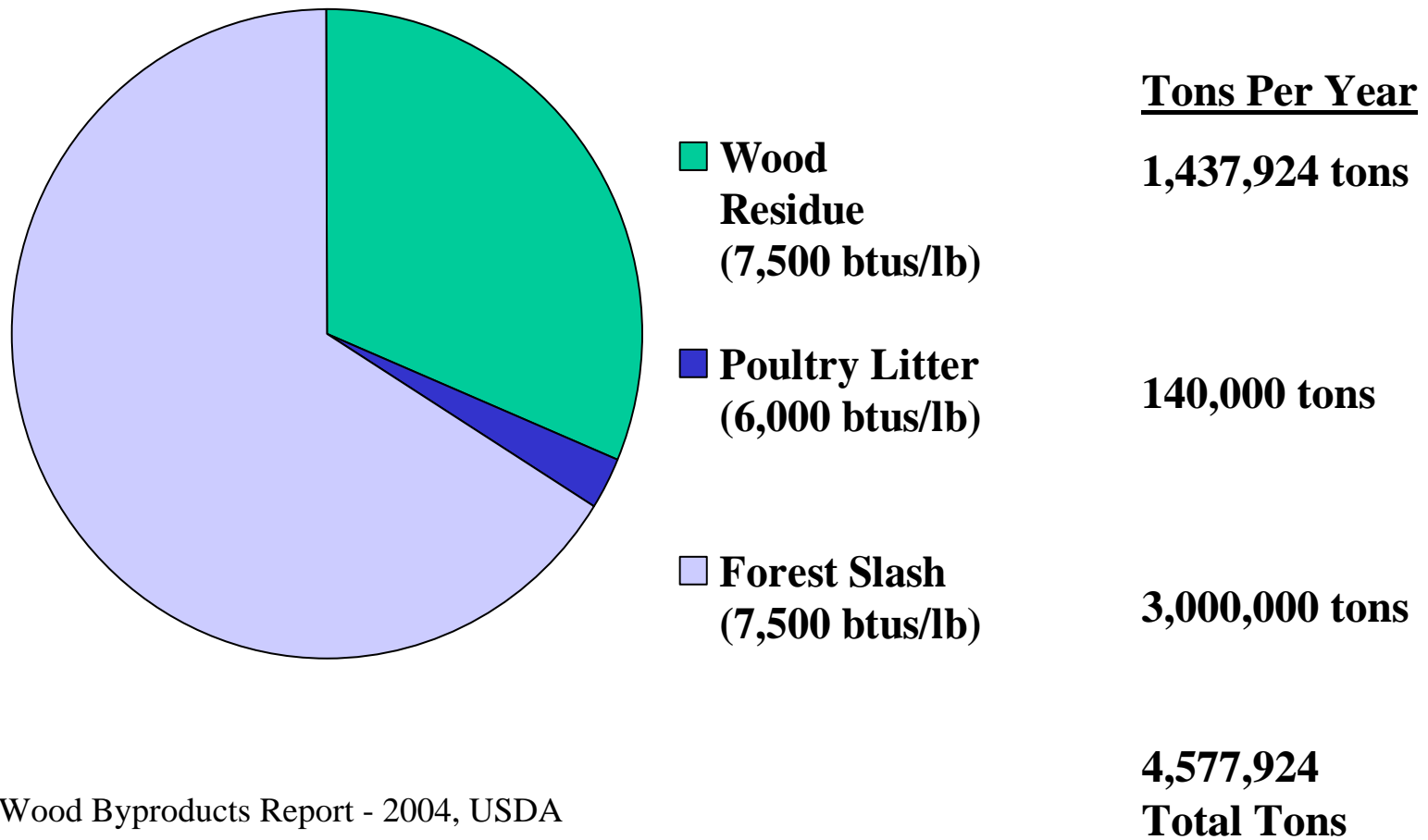
- Quality, Readily Available Technical Assistance
 - Philip Badger
- Dedicated Funding Source for Biomass Development
 - Allows States to focus solely on biomass issues
- State Biomass Promotion through SSEB.
 - SSEB recognition at Legislative and Executive Branch levels
 - A Platform to Allow Biomass Profile Issues to be presented Decision-Makers

How EEP Has Utilized SERBEP 1985-2005

- Products from Wood and Poultry Litter Residues
- Public Education on Wood Residue Applications and Technology
- Promoting Wood and Poultry Residue Utilization to Industry

Biomass in West Virginia

(68 Trillion BTU's annually)

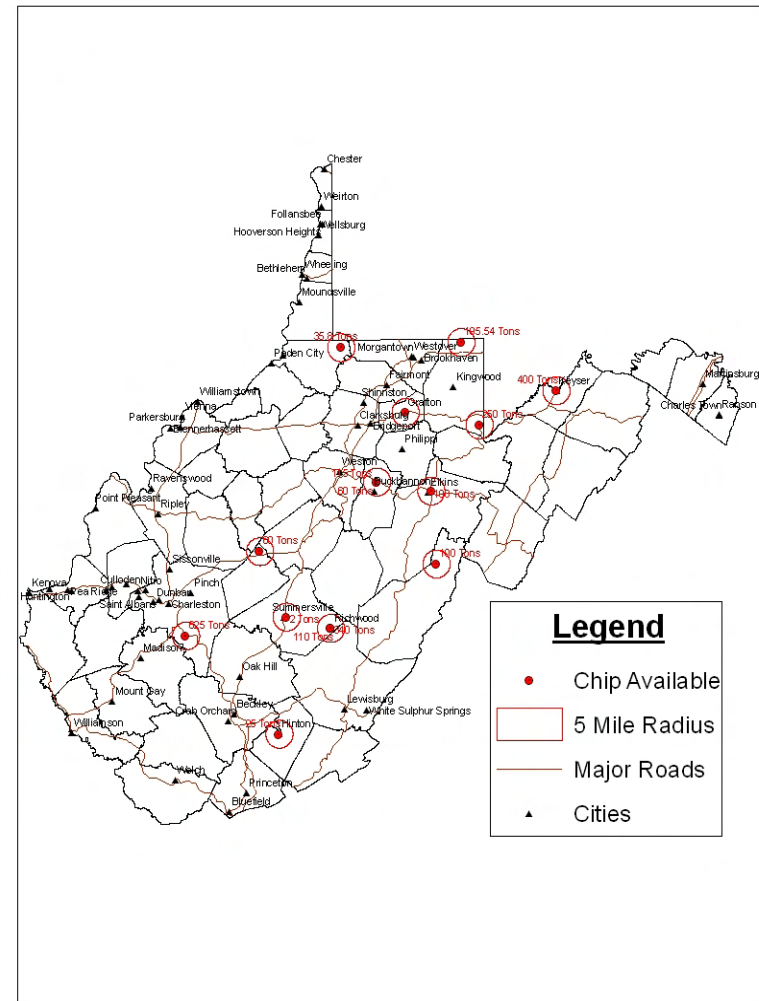


Products from Wood and Poultry Litter Residues

- Use of Wood Residues in Kiln Drying Operations (1987)
- Compressed Wood Fuel Logs/Pellets (1988-1990)
- Wood Residue/Poultry Litter Compost (1997-2001)
- West Virginia Biorefinery and Biodiesel Feasibility (2005)
- Poultry Litter as a Biodiesel Fuel (2000-Present)

Biomass Public Education and Resources

- A Statewide Conference on Biomass Policy (1995)
- A Guidebook to State Regulations for Wood-Fired Combustion Systems
- Material Recycling Directory/WVU Hardwood Trader Residue Surveys
- Two Conferences on Utilization of Residues as a Fuel



Promoting Wood Value Added Products and Utilization to Industry

- The WVU Wood Industry Assistance Program assists industry in waste minimization and renewable value-added activities.
- Cogeneration studies performed for the Belington Industrial Park and other industrial users.
- Assistance to business cooperatives to utilize residues for value-added products.

Future Challenges and Opportunities for SERBEP and State Biomass Programs

- Sustained Funding Support at the Federal level
- Continued State and Regional Industrial Outreach and Education
- New Technological Residue Challenges – Animal Wastes, Non-Traditional Product Streams

Questions?

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