# Woody Biomass Harvesting & Utilization in Minnesota

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#### Program Outline

- Background
- Harvesting Guidelines
- Superior National Forest Study
- Discussion

#### Background

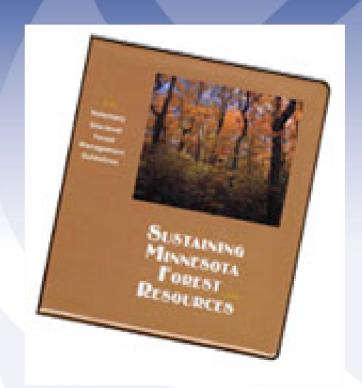
- Institute for Agriculture and Trade Policy
  - International NGO founded in 1986
  - Promotes resilient family farms, rural communities and ecosystems around the world through research and education, science and technology, and advocacy.

#### Harvesting Guidelines

- DNR Ecological Services, Fish and Wildlife and Forestry and the Minnesota Forest Resources Council are developing standards for sustainable harvest of woody biomass
- IATP was instrumental in passing 2005 legislation requiring and funding the development of standards

#### Harvesting Guidelines

- Focus on practices that conserve
  - Soil productivity
  - Water quality
  - Wildlife habitat



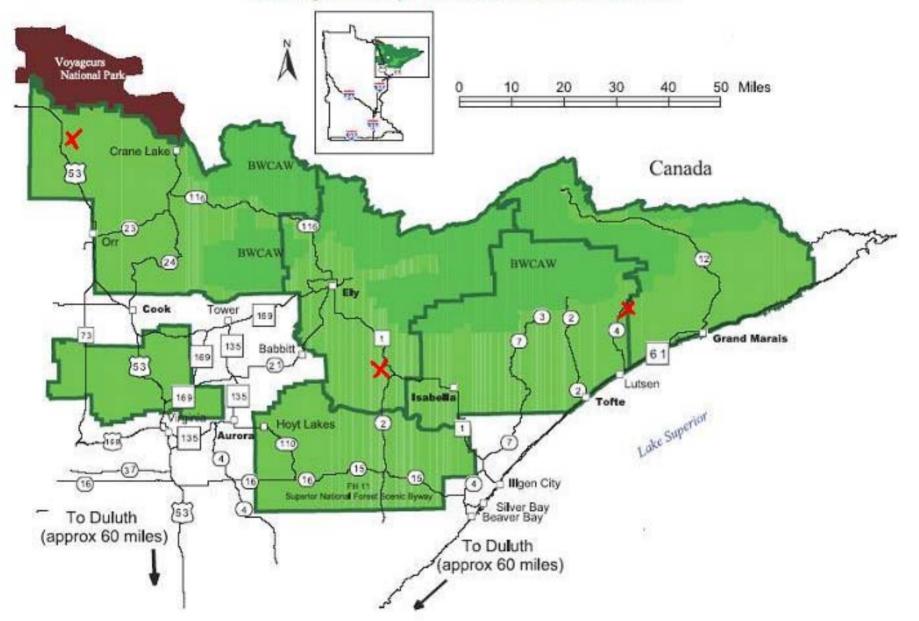
#### Harvesting Guidelines

- Guidelines for forest and brushland will be finalized by July 1, 2007.
- Contact MFRC at (651) 603-0109
  or see <u>www.frc.state.mn.us</u>

- Woody Biomass Utilization Grants
  - Program of USDA Forest Service
  - Aim is to create markets for small-diameter and low-grade material from fuel reduction activities

#### **Superior National Forest**

including Boundary Waters Canoe Area Wilderness



- Partners & Collaborators
  - IATP
  - U.S. Forest Service
  - Laurentian Energy Authority
  - Forest Management Systems
  - University of Minnesota
  - University of Wisconsin,
    Steven's Point







- Project Objectives: address barriers hindering removal of woody biomass from the Superior National Forest
  - Barrier 1: Logger unfamiliarity with equipment, operating conditions, productivity and cost
  - Barrier 2: Lack of information for establishing
    Best Management Practices for biomass removal



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- Project Outcomes:
  - Job Creation
  - Ecological Improvement
  - Fuel Reduction
  - Ecosystem Goals
  - Established standards for sustainable biomass removal







#### Methods:

- -9 test biomass harvests
- High-priority fuel reduction areas
- -Low potential for commercial timber harvest
- Varied equipment and techniques used
- Pre- and post-harvest ecological and silvicultural data collection



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- Report released in mid-2007
  - Economic evaluation
  - Ecological impact
  - Experiences with equipment
  - Analysis of administrative barriers
- For information call (612) 870-3407 or see <a href="https://www.forestrycenter.org">www.forestrycenter.org</a>



#### Thank You!



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