

Creating a Roadmap for the Bioeconomy *Starting with Biodiesel*

David Sjoding

Renewable Energy Specialist

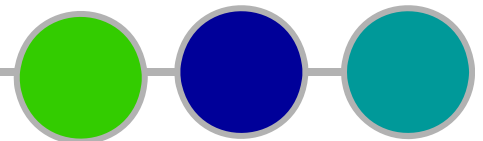
WSU Extension Energy Program

WSU Bioenergy Summit

March 10, 2006

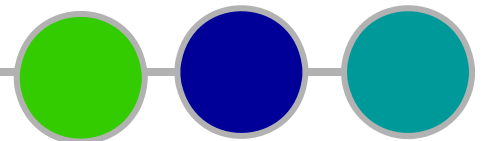
What is an Energy Technology Roadmap?

- A multi-year, detailed map of what needs to happen to implement an energy technology
- In this case – Biodiesel as a step to the Bioeconomy roadmap



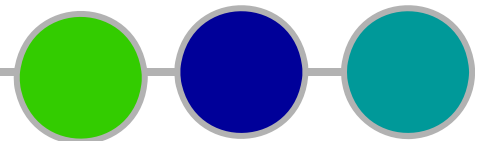
A Roadmap Includes

- **An assessment of the current status – where are we?**
- **Methodical thinking about future technology development needs and options – where do we need to go?**
- **An analysis of the current and preferred policy framework – legal, regulatory and institutional**
- **Goals and objectives**
- **Education, information, outreach, advocacy, and technical assistance**



Why Have a Roadmap?

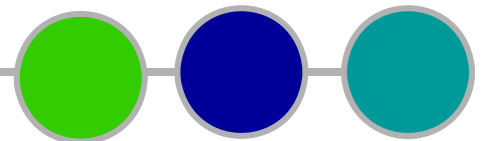
- To think through R&D choices
- To build focused stakeholder support and teamwork
- To obtain funding
- To develop momentum to meet goals and objectives
- To implement the energy technology



Why Have a Biodiesel Roadmap?

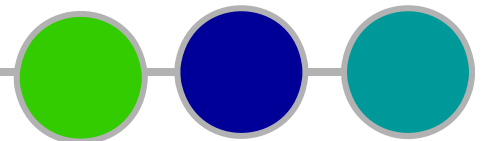
We have a tough path to build a biodiesel section of our economy

- The technology portion of the map is scattered or missing
- Stakeholder group needs to be more fully built
- Funding is needed
- Policy and initiative support
- A response to an era of high and unstable oil prices



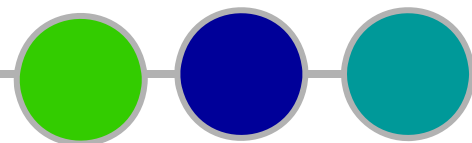
Who are the Neighbors of a Biodiesel or Bioeconomy Roadmap?

- **Vision** for Bioenergy & Bio-based Products in the U.S. – October 2002
- **Roadmap** for Biomass Technologies in the U.S. – December 2002
- They are being updated, public hearings are coming. Biodiesel is not a focus
- Biomass in California – June 2005



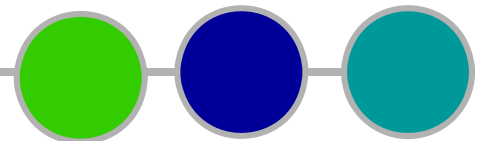
Outcomes from the Biodiesel Roadmap Workshop

- A good gathering of key stakeholders – 31
- Provided impetus for PNW Biodiesel Trade Group
- Mutual recognition of the hard work ahead
- Broader understanding of the Roadmap Tool
- Buy-in to proceed – “Vital”
- Next version in April



Concluding thoughts

- **The roadmap foundation stone has been missing**
- **It takes homework to do it right**
- **It takes research, extension & stakeholders**
- **We need a biodiesel roadmap**



A national leader & catalyst for creating powerful energy solutions

EXPERIENCE & EXPERTISE



Vision
Vision

MEETING TODAY'S ENERGY NEEDS



UNMATCHED ENERGY SERVICES



PROMOTING SUSTAINABLE PRACTICES

