

Charting A Course for Biomass - North Carolina Perspective



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NC Department of Administration
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Highlights of NC Efforts

- NC Biomass Roadmap developed by NC Biomass Council
 - Goals for biofuels, biomass, & bioproducts
- NC Strategic Plan for Biofuels Leadership
- NC Biofuels Center
 - Dedicated to NC deployment of biofuels
 - 1st round of awards completed
- Policy
 - REPS & alternative fuels incentives
 - 35% NC credit
 - 25% alt fuels manufacturing credit
 - 15% infrastructure credit

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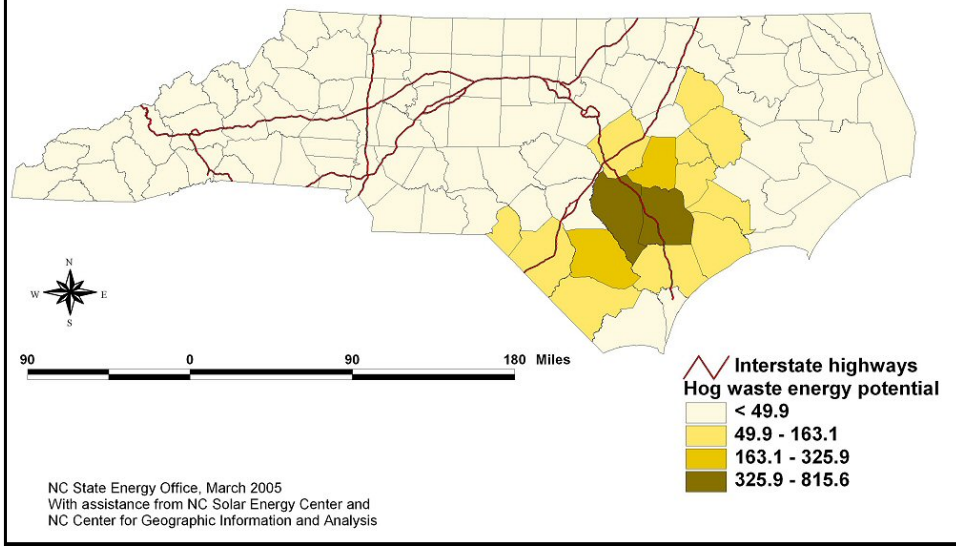
Identify Biomass Resources

- Mapping resources to facilitate their use
- Quantify resources to assess impact of biomass energy or biofuels production

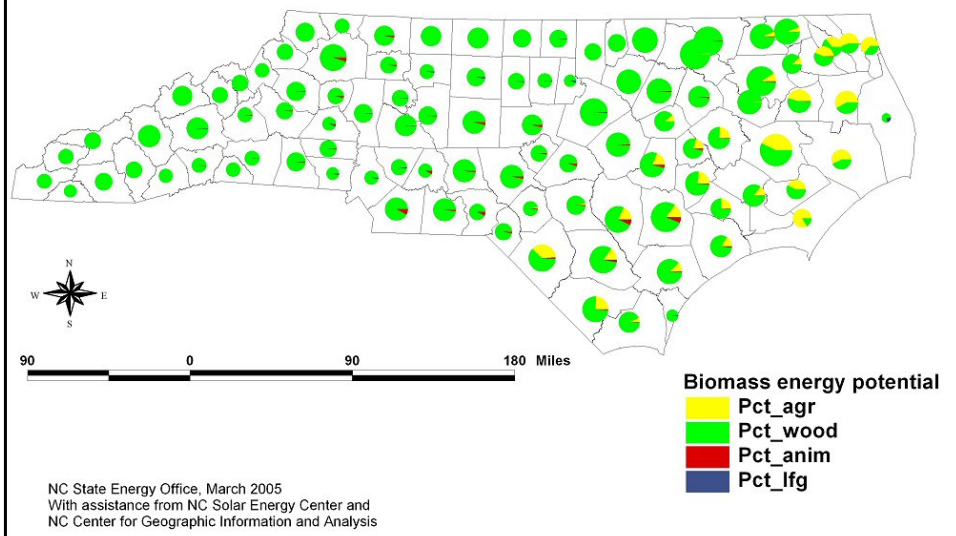
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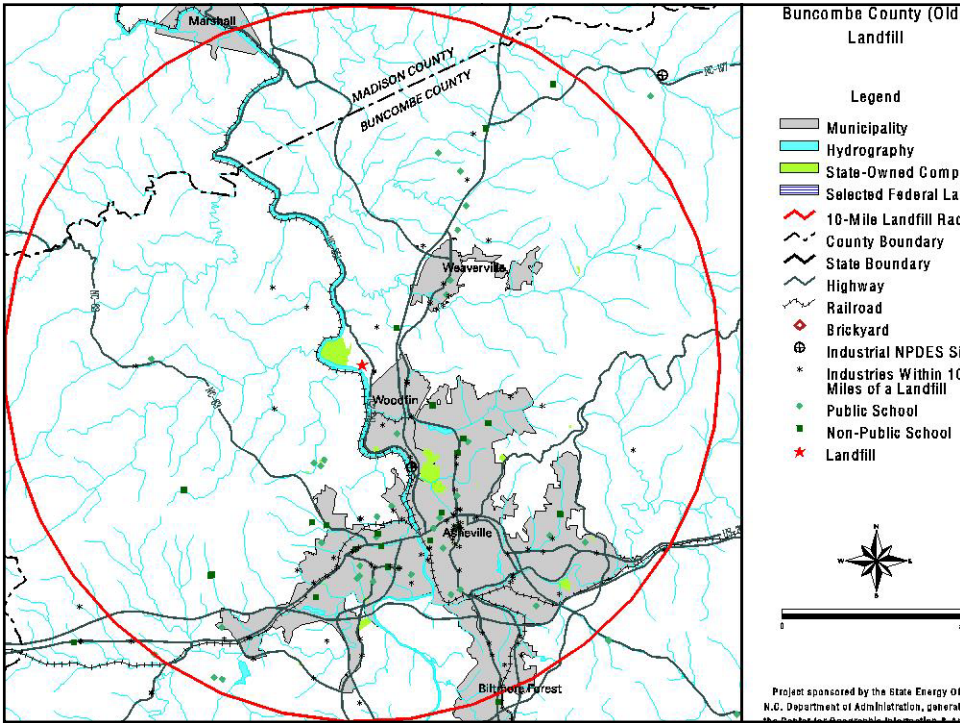
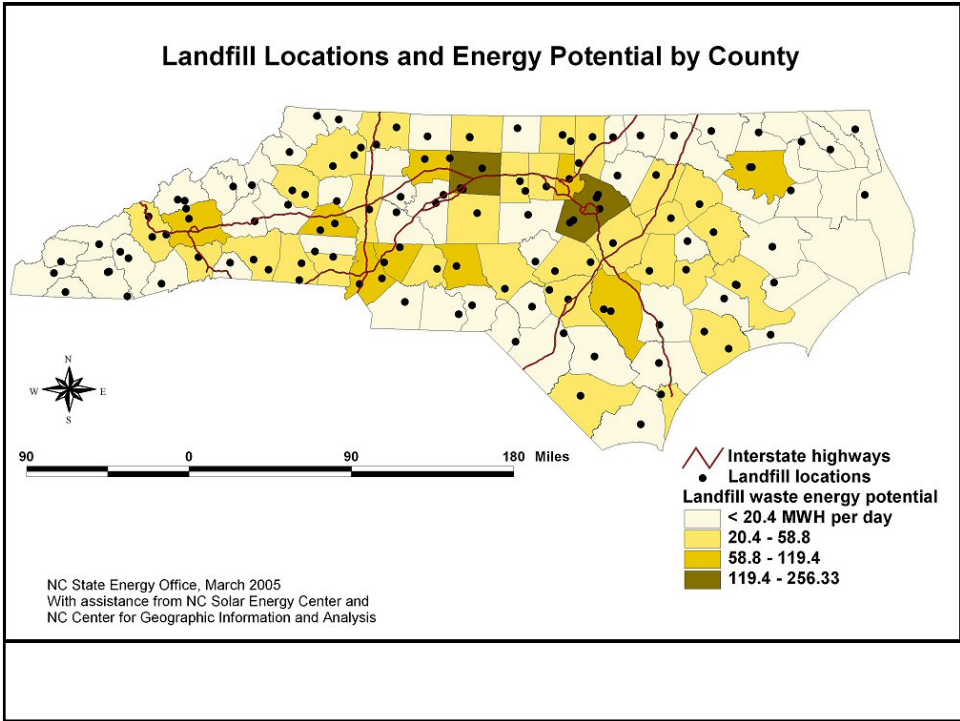
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Hog Waste Energy Potential by County

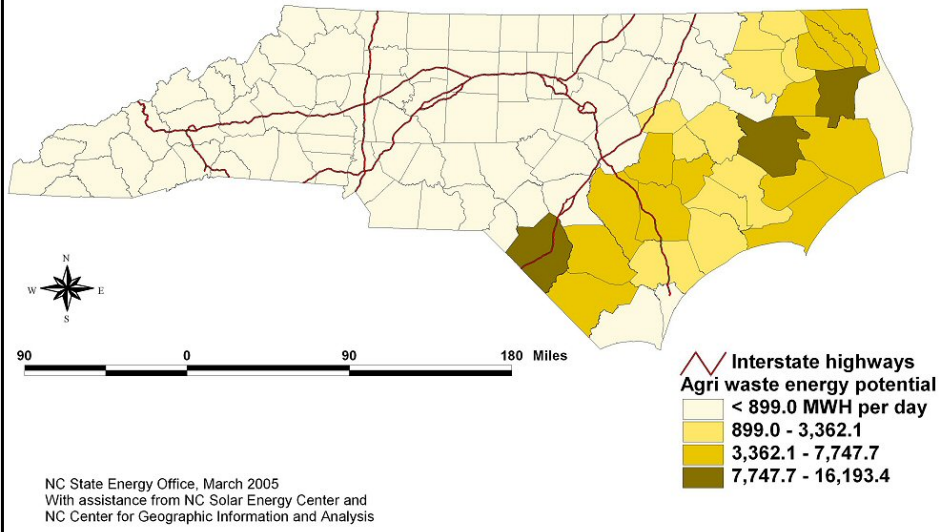


Biomass Potential by County for Agriculture, Wood, Animal and Landfill Waste

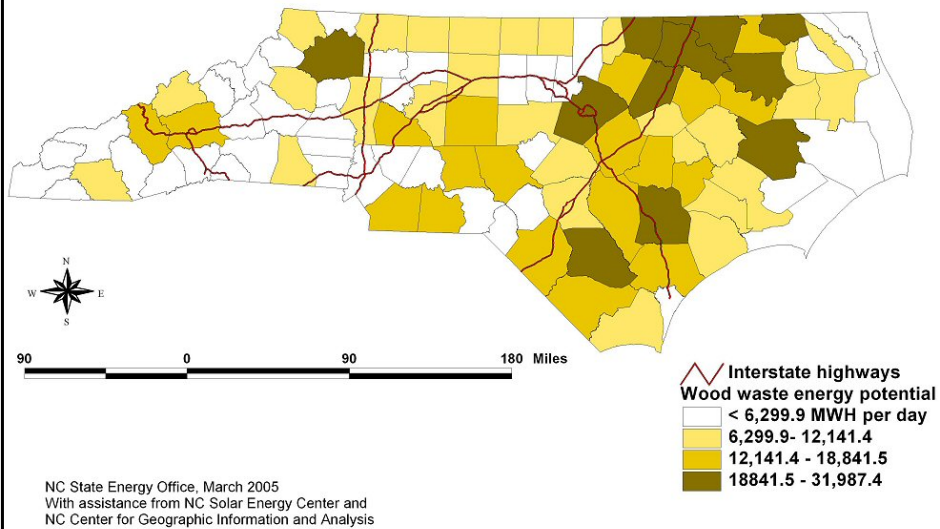


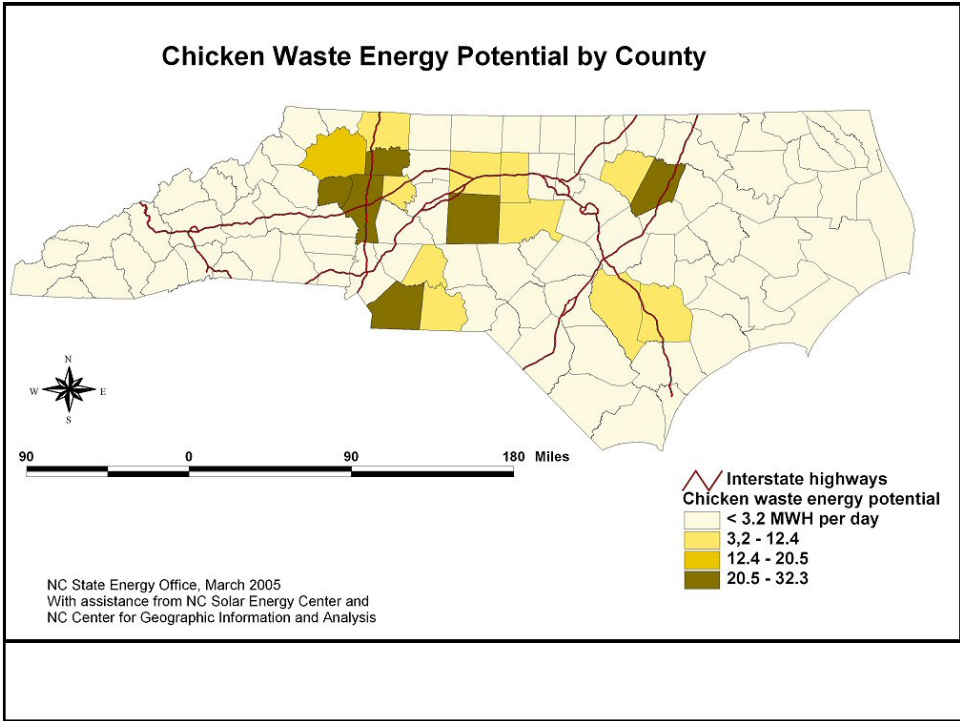


Agriculture Waste Energy Potential by County



Wood Waste Energy Potential by County





Deployment Tasks

- Identify and deploy appropriate energy crops
- Support for viable conversion technologies specific to regional feedstocks
- Bring financing and support for projects



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Networking

- Utilizing federal funding – Farm Bill
- Bring diverse agencies/organizations together
 - economic developers, green investment firms, project developers, commodity groups, utilities



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Challenges

- Understanding environmental benefits
 - Capturing methane from livestock operations
- Integrate biomass technologies w/ the broader portfolio of RE technologies
- Capturing the value of carbon/methane markets and REC markets
- Improving the emission profile of selected biomass technologies

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Opportunities

- SE is the Middle East of biomass!!
- Long growing season, large forested areas, livestock industries
- Rising price of fuels and energy
- Creation of new jobs and new industries
- Increasing fuels/energy independence in the region – homegrown!!

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