

# THE NATIONAL BIOMASS PARTNERSHIP ACTIVITIES UPDATE

## January 2006

Month/Year: December 2005

1. State	Alaska
2. Activity	Biodiesel Development
3. Contact	Peter Crimp
4. Affiliation	Alaska Energy Authority
5. Phone	907-269-4631
6. E-mail	pcrimp@aidea.org

### 7. Activity Description

University of Alaska Fairbanks Arctic Energy Laboratory researchers tested effects of oxygen and heat on fish oil biodiesel viscosity and opacity. Alaska Energy Authority (AEA), National Park Service, University of Alaska Fairbanks (UAF), and Alaska Department of Environmental Conservation representatives will meet in mid-January in Fairbanks to plan and coordinate 2006 biodiesel development activities. Final reports on UAF biodiesel work will be available by March 2006.

### 8. Web link (if applicable)

Preliminary results from UAF testing are available on the Alaska Rural Energy Conference section 5B <http://www.uaf.edu/aetdl/2005Presentations.html>

1. State	Connecticut
2. Activity	Biomass projects receive support from system benefit fund
3. Contact	Connie Mendolia
4. Affiliation	Connecticut Department of Environmental Protection
5. Phone	(860) 424-3243
6. E-mail	connie.mendolia@po.state.ct.us

7. Activity Description (Be brief – few sentences.)

**Connecticut Clean Energy Fund - Project 100**

The 2003 landmark Connecticut legislation mandates local electric distribution companies to contract a minimum of 100 MW of clean energy resources by July 1, 2007. The distribution companies will enter into power purchase agreements for no less than a 10-year period from Class I renewable energy resources. Pricing under these contracts will include a green premium of up to 5.5 cents per kWh. For its first round of Project 100, the Connecticut Clean Energy Fund has selected 34 MW in renewable projects. Included in this is 15 MW of biomass power from GDI Renewable Power of Watertown, CT. CCEF has also approved predevelopment funding of up to \$500,000 for Plainfield renewable Energy, a project of up to 30 MW of Connecticut-based biomass power.

8. Web link (if applicable)

<http://www.ctcleanenergy.com/investment/Project100.html>

Month/Year: January 2006

1. State	Connecticut
2. Activity	Release of a study supporting biofuel production in the state; targeted to school busses
3. Contact	Connie Mendolia
4. Affiliation	Connecticut DEP
5. Phone	(860) 424-3243
6. E-mail	connie.mendolia@po.state.ct.us

7. Activity Description (Be brief – few sentences.)

**Connecticut Energy Advisory Board (CEAB) – 2006 Energy Plan**

CEAB prepared an energy plan pursuant to legislative requirements. The plan has a section titled **Promote the use of Biofuel**. In support of the State's efforts to support biofuels, a recent study was released by the Connecticut Center for Economic Analysis titled: *Biodiesel: Fuel for Thought, Fuel for Connecticut's Future*. The study determined that planting farmland with an oilseed crop and producing biofuel from the harvest could produce enough fuel to power many of the school buses in the state.

8. Web link (if applicable)

<http://ccea.uconn.edu/studies/Biodiesel%20Report.pdf>

Month/Year: December 2005

1. State	Hawaii
2. Activity	Legislation
3. Contact	Priscilla Thompson
4. Affiliation	Hawaii Dept. of Business, Economic Development & Tourism
5. Phone	(808) 586-2353
6. E-mail	PThompso@dbedt.hawaii.gov

7. Activity Description

The Hawaii Energy Office continued to develop the State of Hawaii's comprehensive energy bill, which includes provisions to increase the use of biomass power and biofuels. The bill, which is scheduled for rollout in mid-January 2006, provides incentives for bioenergy production including identification of lands for renewable resource development, assistance to the agricultural community, and mandatory fleet biofuel purchases.

8. Web link (if applicable)

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1. State	Iowa
2. Activity	Iowa biomass activities
3. Contact	Jim Bodensteiner
4. Affiliation	Great Lakes Partnership Steering Council member for Iowa
5. Phone	515.281.8416
6. E-mail	Jim.bodensteiner@dnr.state.ia.us

7. Activities Description (Be brief – few sentences.)

✓	Sales of E10 for 2005 are projected to set a new annual record with more than 1.2 million gallons sold across the state. Sales in 2004 for E10 were 1,076,701,458 gallons.
✓	Market share of E10 also set records throughout the year, with it settling at 78.1% in November. In 2004, the highest market share was 69.9% in December.
✓	The largest one-month sales volume for E10 was recorded in September 2005 with 112,081,813 gallons sold. The 2004 monthly sales record was set in November with 96,389,248 gallons sold.
✓	Sales of E85 in Iowa for 2005 are projected to set a new annual record with more than 600,000 gallons sold across the state. Sales in 2004 were 140,726 gallons.
✓	The number of E85 retail stations in Iowa more than doubled from 13 active stations in 2004 to 28 stations by the end of 2005.
✓	New state funding, allocated in 2005 for retail E85 and biodiesel infrastructure development, includes \$325,000 each year for three years through the Iowa Values Fund.
✓	Executive Order 41 was signed by Governor Vilsack on April 22 to expand the use of alternative fuels (ethanol, E85 and biodiesel) in the state fleet. EO41 also requires the acquisition of alternative fueled vehicles and hybrid vehicles.
✓	The Iowa Clean Cities Coalition was officially designated as a Clean Cities partner by the U.S. Department of Energy on Oct. 14, 2005. A five-year plan was submitted and approved by DOE. The new statewide program will bring key partners together to advance the alternative fuels market in the state and to identify and implement idle reduction and fuel economy strategies.
✓	Iowa DNR's six-month collaborative effort to promote Farm Bill 9006 to Iowa farmers and rural small businesses and provide application assistance to those who chose to submit applications resulted in 47 applications, with 37 of these (82% success rate) funded for a total of \$5,733,657. Twenty-five percent of the successful applications in the nation came from Iowa, with Iowa grantees receiving 30 percent of the total available funding.
✓	In August 2005, the Iowa DNR partnered with Webster City Area Development, Hamilton County S.E.E.D., and Iowa State University Extension to investigate the use of large-scale, multiple feedstock, community-based anaerobic digester systems for mitigating the economic and environmental concerns facing the livestock and food processing industries in Hamilton County. Since then, more than 20 businesses and organizations – area food processors, agricultural and livestock producers and organizations, educational entities, local governments, and utilities have signed on as participants in the development of this project. Project design and feasibility studies are to be completed by early summer 2006.
✓	Iowa DNR's project, <i>Fostering Bio-Product Markets: Market Conditioning for an Iowa Rebuild America Community</i> , received U.S. Department of Energy SEP grant funding to promote the use of bio-based products in an Iowa Rebuild community, with the ultimate goal of decreasing our dependence on petroleum-based products and foreign oil.

8. Web link (if applicable): none

Month/Year: January 2006

1. State	Maryland
2. Activity	Biodiesel education curriculum in Maryland high schools
3. Contact	Chris Rice
4. Affiliation	Maryland Energy Administration
5. Phone	410 260-7207
6. E-mail	<a href="mailto:crice@energy.state.md.us">crice@energy.state.md.us</a>

7. Activity Description (Be brief – few sentences.)

The Maryland Energy Administration purchased 10 Biodiesel science kits from the Indiana Soybean Board. The Biodiesel kits come with all the materials necessary to produce and study Biodiesel in the classroom. The curriculum is geared toward high school students and ends with a student presentation to the school board highlighting the benefits of using Biodiesel. To further this process MEA has been working with the Maryland Agricultural Education Foundation (MAEF). They train teachers on farm related subjects. MAEF has been working on a renewable fuels curriculum with an emphasis on biodiesel. MEA is working to team up with MAEF on the biodiesel kits project.

8. Web link (if applicable)

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Month/Year: January 2006

1. State	Maryland
2. Activity	State support for small grains for biofuels
3. Contact	Chris Rice
4. Affiliation	Maryland Energy Administration
5. Phone	410 260-7207
6. E-mail	<a href="mailto:crice@energy.state.md.us">crice@energy.state.md.us</a>

7. Activity Description (Be brief – few sentences.)

Legislation is being introduced that would increase the funding to the State's Cover Crop Program. The legislation would also modify the program by allowing farmers to harvest small grains for biofuels, and reduce the cost share payment on an acre basis for farmers that grow small grains for the purpose of manufacturing biofuels.

8. Web link (if applicable)

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1. State	Michigan
2. Activity	
3. Contact	Shawn Wozniak
4. Affiliation	Michigan Energy Office
5. Phone	517- 373-0483
6. E-mail	sjwozni@michigan.gov

7. Activity Description (Be brief – few sentences.)

Biofuels Workshops - The MI Biomass Energy Program (MBEP) used an '05 GLSRBP grant to partner with National Energy Education Development (NEED) in presenting two biofuels workshops for K-12 educators . Keith Etheridge of NEED conducted these workshops at Oakland University in Rochester Hills (Detroit Metro area) on Nov. 1, and at Grand Valley State University in Grand Rapids on Nov. 3. About 40 teachers participated in each workshop, and lauded the workshops in their evaluations.

MBEP has granted funds for three additional workshops from their GLSRBP State Grant.

These included:

- The German American Chamber of Commerce Conference on November 29, 2005 in Detroit to promote biofuels.
- The Greater Lansing Area Clean Cities Coalition Advancing the Choice Event, on January 18, 2006 at the Capitol Building in Lansing, to educate legislators and their staff on the benefits of increased biofuels use.
- Harvesting Clean Agri-Energy Conference on March 15, 2006, in Saginaw, which will focus sessions on both bioenergy generation and biofuels and is for the agriculture industry.

8. Web link (if applicable)

[www.michigan.gov/biomass](http://www.michigan.gov/biomass)

1. State	Montana
2. Activity	Outreach
3. Contact	Howard Haines
4. Affiliation	Montana Department of Environmental Quality
5. Phone	406-841-5252
6. E-mail	<b>hhaines@mt.gov</b>

7. Activity Description

The Montana Department of Natural Resources and Conservation (DNRC) hosted the first “Montana Forest Biomass Working Group” meeting December 12, 2005 at the DNRC Director’s Office Conference room. Over 20 attended this first meeting including a number of state and federal agencies, logging and wood products associations and members, and engineering firms. Although the actual names of the committees are not yet final, three working committees were formed to address the following issues: environmental concerns (air quality, permitting and forest health); financing concerns (business development concerns taking the program from a grant-assisted project to commercial economic viability, boiler distributor etc.); and technical and resource supply concerns (long-term supply and technology to reduce forest-to-fuel costs).

8. Web link (if applicable)

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1. State	New Jersey
2. Activity	Policy Formulation and Support
3. Contact	Serpil Guran
4. Affiliation	New Jersey Department of Environmental Protection (NJDEP)
5. Phone	(609) 341-3124
6. E-mail	Serpil.Guran@dep.state.nj.us

7. Activity Description (Be brief – few sentences.)

The State's biomass representative has participated in two workgroups within NJDEP to prepare recommendations to the NJDEP Commissioner to further improve New Jersey's air quality. Dr. Serpil Guran made two presentations to these working groups on biodiesel and she has been able to insert biodiesel into the most promising technologies sections of the recommendations lists prepared by the working groups of "Stationary Combustion Sources" and "Diesel" working groups organized under this initiative. The workgroups made presentations on November 14, 2005 to a large audience including stakeholders and the NJDEP staff.

8. Web link (if applicable)

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Month/Year: January 2006

1. State	New York
2. Activity	Educating state agencies on biofuels
3. Contact	Judy Jarnefeld
4. Affiliation	New York State Energy Research and Development Authority (NYSERDA)
5. Phone	(518) 899-9572
6. E-mail	<a href="mailto:jj1@nyserda.org">jj1@nyserda.org</a>

7. Activity Description (Be brief – few sentences.)

A meeting was organized and hosted by the New York State Energy Research and Development Authority (NYSERDA) with the New York State Thruway Authority, Office of General Services (this organization procures fuel for the state), and the NYS Department of Transportation to brief the state agencies on biodiesel and how the state might comply with Executive Order 142, which requires state authorities and agencies to use biofuels. Scott Hughes, a representative from the National Biodiesel Board, gave a presentation.

8. Web link (if applicable)

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1. State	Washington
2. Activity	Legislation
3. Contact	Dave Sjoding
4. Affiliation	Washington State University Energy Office
5. Phone	360-956-2004
6. E-mail	sjodingd@wsu.edu

7. Activity Description

Governor Christine Gregoire recently announced several proposals to encourage the manufacture and use of biofuels in Washington. One aspect of her plan is to require that 2% biodiesel be blended with all diesel fuel in the state. Using the estimate that roughly 1 billion gallons of diesel are used in Washington each year, the Governor's requirement translates into roughly 20 million gallons of biodiesel per year.

8. Web link (if applicable)

[http://seattletimes.nwsourc.com/cgi-bin/PrintSotry.pl?document\\_id=2002682369&zsection\\_id=2002120029&slug=biofuels14m&date=20051214](http://seattletimes.nwsourc.com/cgi-bin/PrintSotry.pl?document_id=2002682369&zsection_id=2002120029&slug=biofuels14m&date=20051214)

1. State	Washington
2. Activity	Biomass Inventory and Assessment
3. Contact	Dave Sjoding
4. Affiliation	Washington State University Energy Office
5. Phone	360-956-2004
6. E-mail	sjodingd@wsu.edu

7. Activity Description

This is the most comprehensive biomass inventory of any state with county level data on 45 feedstocks being meticulously gathered. It also includes analysis of the power production potential. The results show that there is 16.9 million tons of dry underutilized biomass in the state (this is a significantly higher figure than the ORNL Billion Ton report). Energy crops would be additional to this data. The report shows a potential of 1,769 MWc of biopower. This compares to the current figure of 370 MWc of biopower. A map capability showing volume and location at the county level will be added in January 2006.

8. Web link (if applicable)

[http://www.pacificbiomass.org/documents/WA\\_BioenergyInventoryAndAssessment\\_200512.pdf](http://www.pacificbiomass.org/documents/WA_BioenergyInventoryAndAssessment_200512.pdf)