

USDA Update on the Biobased Economy



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BIOMASS RESEARCH AND DEVELOPMENT
TECHNICAL ADVISORY COMMITTEE MEETING
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USDA Update

- Farm Bill Program Update
 - BCAP
 - Repowering Assistance
 - BioPreferred
 - Sun Grant
- Special Projects Update
 - Farm to Fleet
 - Biogas Opportunities Roadmap
- [USDA.gov/energy](https://www.usda.gov/energy) upgrades



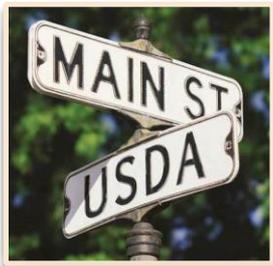
Biomass Crop Assistance Program (BCAP)

- **USDA Selected 36 Energy Facilities in 14 states to accept Biomass deliveries supported by BCAP**
- **Of the total \$25 million per year authorized for BCAP, up to 50 percent (\$12.5 million) is available each year to assist biomass owners with the cost of delivery of agricultural or forest residues for energy generation.**
- **Some BCAP payments will target the removal of dead or diseased trees from National Forests and Bureau of Land Management public lands for renewable energy, helping to reduce the risk of forest fire.**
- **For information, visit <https://www.fsa.usda.gov/bcap>**



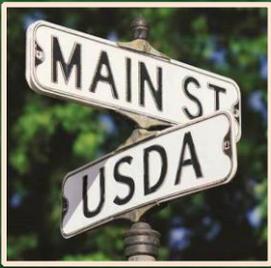
Repowering Assistance Program

- **Section 9004, reauthorized by 2014 Farm Bill**
- **For eligible biorefineries to replace fossil fuels to produce heat or power with renewable biomass**
- **Up to \$12 million in payments available**
- **Application deadline is September 15, 2014.**
- **For details on how to apply, see page 34280 of the June 16 Federal Register [here](#)**



Sun Grant Program

- **USDA solicited applications, closing July 9th, for NIFA's Sun Grants program for bioenergy and biomass research collaboration between government agencies, land-grant institutions, and the private sector; \$2.5M in funding**
- **Authorized in 2008 Farm Bill and reauthorized in 2014.**
- **Program provides grants to five grant centers and one subcenter, which then will make competitive grants to projects that contribute to research, education and outreach for the regional production and sustainability of possible biobased feedstocks.**
- **The project period will not exceed five years**
- **<http://www.csrees.usda.gov/fo/sungrantprogram.cfm>**



BioPreferred Program

- **Final rule issued implementing 2014 Farm Bill**
- **Eliminates the restrictions on including mature market wood products and other materials in the BioPreferred program**
- **Establishes a procedure to designate "intermediate ingredients" so products made from them can be included in the "preferred" Federal procurement process**
- **Establishes procedures for designating "complex assemblies" that contain one or more components made from biobased ingredients.**
- **Full text of the final rule can be found [here](#)**



Farm to Fleet Program



- Inland/East/Gulf Coast bulk fuels solicitation was released by the Defense Logistics Agency-Energy for F-76 & JP-5
- Closed July 17th
- \$27.161 million from USDA's Commodity Credit Corporation (CCC) will assist, no amount higher than \$0.7176 per neat biofuel gallon will be awarded
- Similar Rocky Mountain/West Coast solicitation forthcoming



Biogas Opportunities Roadmap

- Part of the *President's Climate Action Plan - Strategy to Reduce Methane* and deliverable in USDA's Partnership with the Dairy Industry to reduce GHG
- Working group members from USDA, USDOE, USEPA, dairy, biogas industry

[Biogas Opportunities Roadmap](#)

[Fact Sheet](#)

[Blog](#)



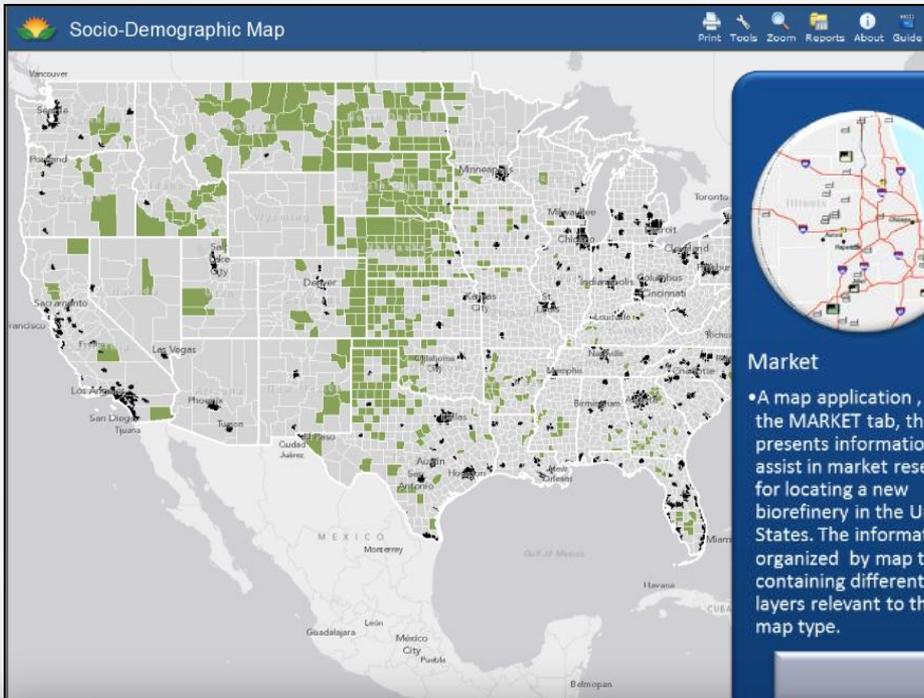
Biogas Opportunities Roadmap

- Tremendous potential for growth in U.S. biogas systems
- Currently more than 2,000 systems operating in the U.S.
- Opportunity for more than 11,000 additional biogas
- Could produce enough energy to power more than 3 million homes
- Could reduce CO₂ emissions equivalent up to 54 million metric tons of greenhouse gas in 2030, the annual emissions of 11 million passenger vehicles.
- To accelerate the use of cost-effective methane energy technology, the Opportunities Roadmap details a number of steps to help improve return on investment and expand America's biogas industry including:
 - Promoting Biogas Utilization through Existing Agency Programs
 - Fostering Investment in Biogas System
 - Strengthening markets for biogas systems and system products
 - Improving communication and coordination



USDA Energy Web Portal

Bioeconomy Tool Shed



Market

- A map application, under the MARKET tab, that presents information to assist in market research for locating a new biorefinery in the United States. The information is organized by map type containing different data layers relevant to that map type.



Economic

- The ECONOMIC tab provides hypothetical calculated values based on input values and economic/market assumptions.



Sustainability

- The SUSTAINABILITY tab provides a calculator to estimate the amount of fossil fuel displaced and the amount of green house gas savings from different renewable fuels and feed stock.



Resources

- The RESOURCES tab provides a list of resources related to renewable energy incentives, financing, research, tools, and other information.

www.usda.gov/energy

USDA Energy Web Portal



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Bioeconomy Tool Shed



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The screenshot shows the USDA Energy Web Portal interface. At the top, there is a navigation bar with the USDA logo and the text 'United States Department of Agriculture'. Below this, there are tabs for 'Introduction', 'Market', 'Economic', and 'Resources', with 'Economic' currently selected. The main content area is titled 'Crop Production Value Calculator'. It includes a detailed instruction block explaining that the calculator estimates general calculations for comparisons. Below the instructions, there are three columns for 'Baseline', 'Adjusted', and 'Custom' values. Each column has a 'Select Crop First' dropdown menu. The calculator also features a table for inputting 'Primary Product' and 'Secondary Product' values, along with 'Total Gross Value of Production' and 'Operating Costs'.

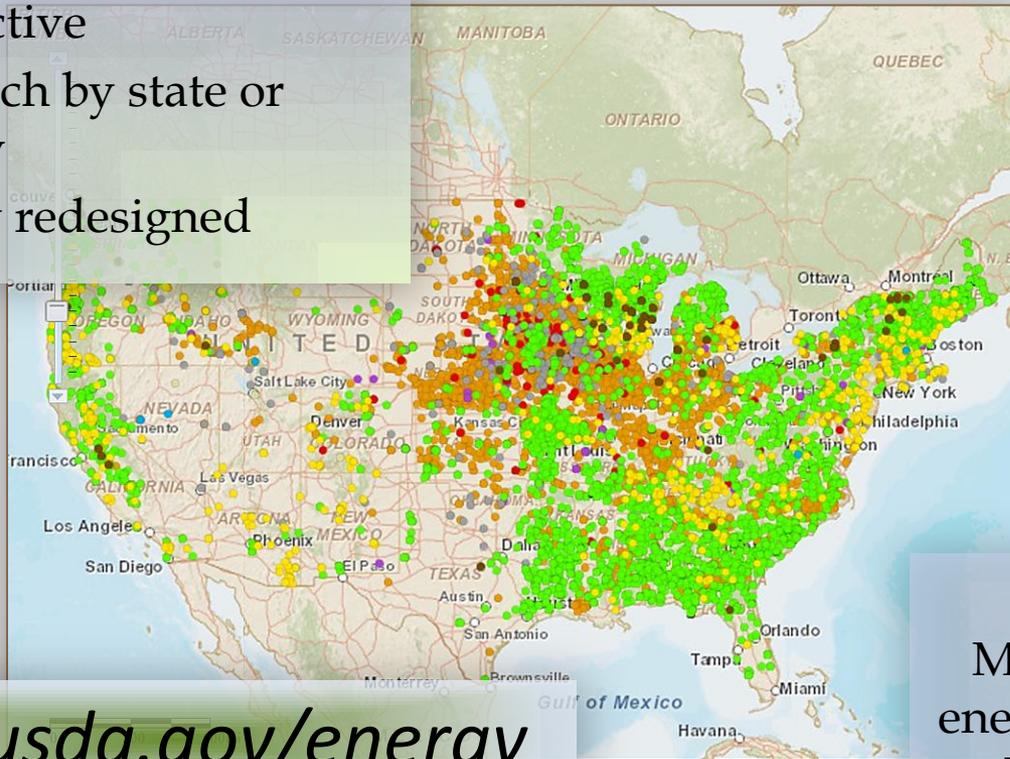
- Portal to enable users to access a complement of web-based products and information, statistical data and other resources regarding the bioeconomy.
- Interactive tools intended to help users identify at the National, state, and county level the logistics, environmental linkages, and economic linkages across feedstock production.
- USDA will host webinar on topic in the near future



USDA Energy Web Portal

Energy Investments Map 2.0

- Interactive
- Research by state or county
- Newly redesigned



www.usda.gov/energy

More than 14,000 visible energy projects from across USDA Mission Areas



USDA Energy Web Portal

A screenshot of a video player showing the title screen for the 'Energy Investment Report Tool Tutorial'. The background is orange. At the top center is the USDA logo, followed by the text 'United States Department of Agriculture' and 'Welcome to the USDA'. The main title 'Energy Investment Report Tool Tutorial' is displayed in large white font. Below the title is a stylized green leaf with a yellow sunburst in the center. At the bottom of the video frame are three small images: a fire, water, and a green leaf. Below these images is the URL 'www.usda.gov/energy'. The video player interface at the bottom shows a play button, a progress bar, and a timestamp of '0:00 / 6:56'. There are also icons for volume, closed captions (CC), and a menu.

www.usda.gov/energy





Thank you!

For more information on USDA Energy
and Bioeconomy Programs, visit:

www.usda.gov/energy