



ENERGY CENTER
OF WISCONSIN

www.ecw.org

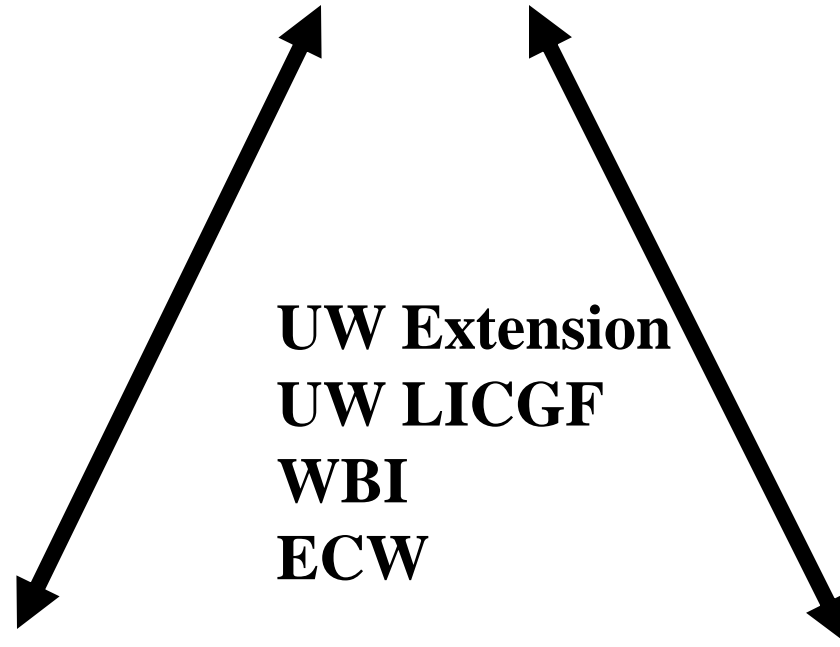
Tools for Community Energy Planning

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Tool	Target information	Platform	Scale range	Status	Link
Bioenergy Geospatial Data Server	Bioenergy feedstocks, producers	Web map application	Point, county, WI	Release Dec. 2010	
Biofuels Atlas	Bioenergy feedstocks, producers	Web map application	Point, county, US	Online	http://maps.nrel.gov/biomass
Portfolio Manager	Building energy management	Online db	Buildings	Online	http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfolio.manager
AWE Water Conservation Tracking Tool	Water savings and costs	MS excel	Buildings, communities	Available to members	http://www.allianceforwaterefficiency.org/Tracking-Tool.aspx
Back of Envelope Calculator	Building energy use	MS Excel	Buildings	online	http://www.ecw.org/project.php?workid=1&resultid=286
25x25 Community Energy Planning	Projected community energy use, ee and renewables, costs	MS Excel	Buildings, communities	Released Jan. 2011, Energy Center of Wisconsin	
“ ECW/LICGF”	Biomass supply economics	MS Excel	Point, region	Release Spring 2011	

Bioenergy Information & Outreach Network

Sources/Sites
(map tools, wiscbioenergy.org)



Information/education
(Biorefine.org)

Services
(craigslist-type)

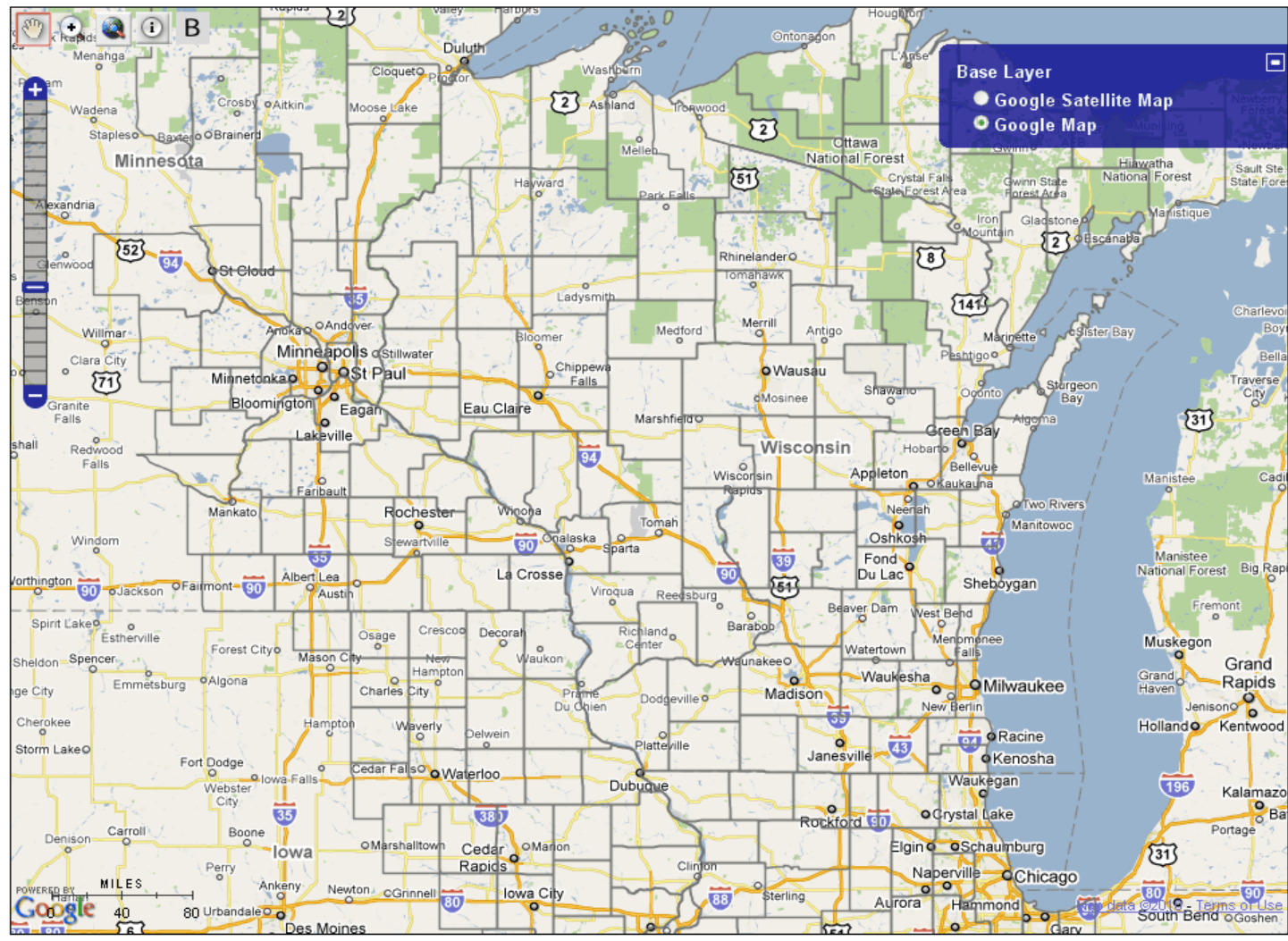
BioEnergy GeoSpatial Data Server

Additional Information
[WI Bioenergy Sites and Sources Pages](#)

Map Tools
[Save Map as PDF](#)

[Print Legends for PDF Map](#)

- Map Contents
- Existing Bioenergy Producers
- Political and Administrative Boundaries
- Utilities and Transportation ?
- Agriculturally-Based Resources ?
- Potential Biomass Cropland ?
- Forest-Based Resources ?
- Environment ?



Development timeline

Phase 0. 2009. Initial design and prototype development.

- LICGF, Focus on Energy, UW-Ext., Alliant, Xcel, We

Phase 1. Dec 2010. Updated directories. Move to production.

- WBI, CENTERGY, ECW, LICGF, UW-Ext.

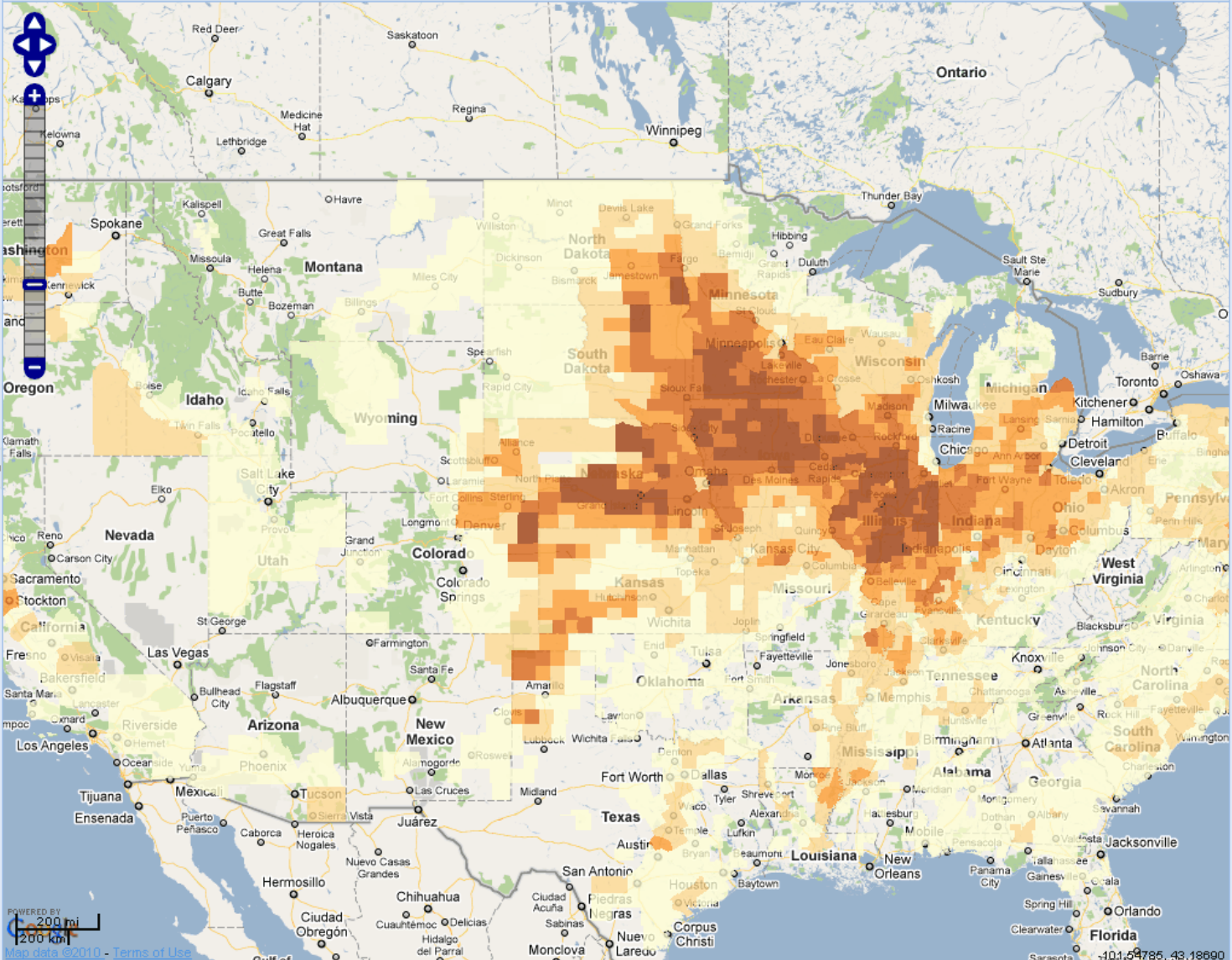
Phase 2. 2011. Biomass exchange and integrated economic tools.

- ?



Layers Legend

- Feedstocks
 - Crops
 - Sugar Beets
 - Sugarcane
 - Crop Residues
 - Bagasse
 - Barley Straw
 - Corn Cobs
 - Corn Stover
 - Rice Straw
 - Wheat Straw
 - Wood
 - Forest Residues
 - Primary Mill Residues
 - Urban Wood and Sec. Mill Residues
 - Methane
 - Landfills
 - Manure Management
 - Wastewater
- EPA Sites
 - EPA Bioenergy Sites
 - EPA Brownfield Sites
- Bioenergy Plants
 - Biopower Plants
 - Biofuels Plants
- Power Plants (non-biopower) and Refine
 - Oil Refineries
 - Power Plants
 - Coal
 - Geothermal
 - Hydro
 - Natural Gas
 - Nuclear
 - Oil
 - Other
 - Wind
- Alternative Fuel Stations
 - Biodiesel
 - Compressed Natural Gas (CNG)

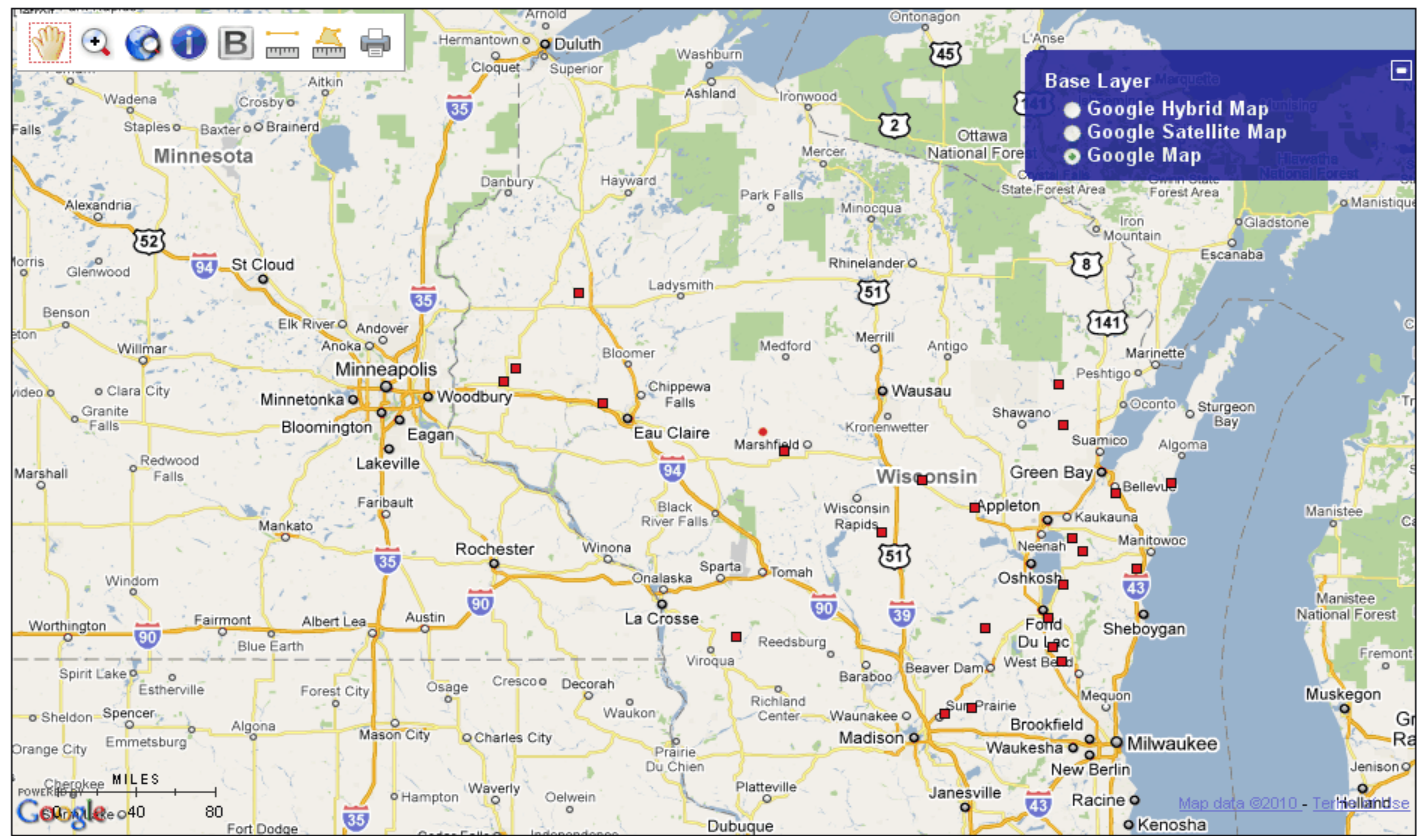


WISCONSIN BIOENERGY

INFORMATION AND OUTREACH NETWORK

Wisconsin Bioenergy Atlas

- Existing Biofuel Producers
- Agricultural Resources | [data sources](#)
 - Farm Anaerobic Digesters (2010)
 - CAFO Permit Locations
 - CAFO Permits (2010)
 - Food Manufacturing Facilities
 - Soybeans Harvested (2008)
 - Corn Harvested (2008)
 - Corn Stover at a 30% Recovery Rate (2008)
 - Hay Harvested (2008)
 - CRP Lands (2007)
 - CRP Acreage - 2007 to 2020
- Potential Biomass Cropland
- Forest-Based Resources
- Environment
- Political Boundaries
- Utilities and Transportation



Thank you.

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