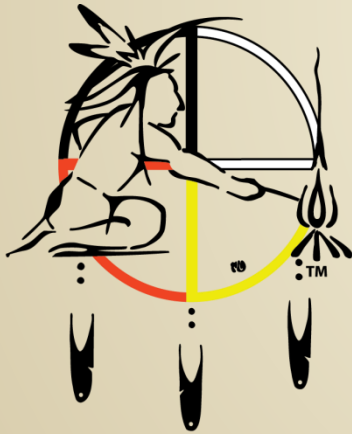
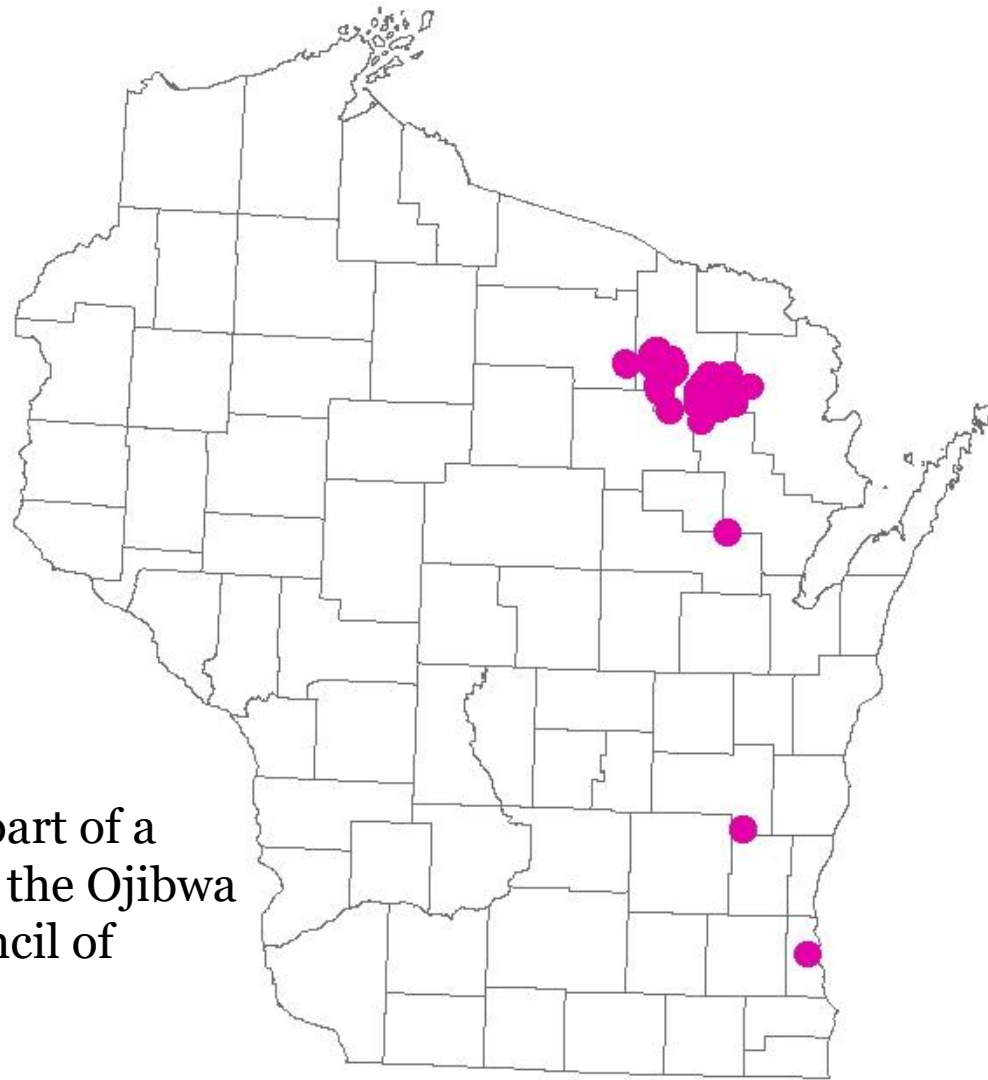


# Forest County Potawatomi Community Energy Program



**Sara M. Drescher**  
**FCPC Attorney**

## Forest County Potawatomi Community Land Base 2015



Potawatomi are part of a confederacy with the Ojibwa and Odawa, Council of Three Fires.

# The Tradition

- Tradition and history teach a strong commitment to protecting and preserving the natural environment.
- Environmental Mission Statement:

*The traditional values of the Forest County Potawatomi Community teach us to respect all living things, to take only what we need from Mother Earth, and to preserve the air, water, and soil for our children. Reflecting these values, we take leadership in creating a sustainable and healthy world. We resolve to reduce our own environmental impacts and to take steps to remedy the impacts of others. We encourage others to do the same. We also seek legislative and policy changes that protect the environment for all people, including generations to come.*

# Project Greenfire (2007)

- Established goal of energy independence using only renewable carbon-neutral or carbon-free resources
- Adopted “Environmental Mission Statement” to help implement and institutionalize goal (2008)
- Comprehensive Energy Audit
  - Established baseline of energy consumption / carbon footprint
  - Identified “List of 100” facilities improvements
- RECs purchased to completely offset electricity use and serve as bridge to energy independence
- Resource assessments for potential projects

# Building Energy Efficiency

- In June 2008, the Tribe's Potawatomi Bingo Casino in Milwaukee completed its expansion, tripling the size of the Casino.
- The expansion incorporated energy efficient design. The Casino now uses 12.5% less energy per square foot than pre-expansion.



# Green Energy Production

- DOE Community Renewable Energy Deployment Grant (2010)
- Milwaukee Solar (completed 2011)
- Milwaukee Biodigester and Biogas Facility (completed 2014) 2MW
- Community- Scale Solar Project 1MW



# Overview of Facility

- 2.0 megawatt anaerobic biodigester and biogas facility located near Potawatomi Bingo Casino in Milwaukee, WI
- Operates on liquid (pumpable) food wastes
- Generates revenue from a combination of tipping fees and electricity sold through a WE Energies Renewable Energy Tariff (local utility)
- Heat loop added as separate project to take excess heat from plant to PBC and Hotel
  - Enough heat is available to offset natural gas requirements for domestic water usage in both Casino and Hotel
- CNG



# Future Projects

- Small Scale Biomass Deployment
  - Investigating, with assistance from NREL and Office of Indian Energy, potential small scale biomass project(s) on the reservation.
- Solar
- TEDC Grant to Study Feasibility of Creating Tribally Owned Electric Utility.