**U.S. Department of Energy (DOE)  
Clean Energy to Communities (C2C) Program**

Summary of Technical Assistance (TA) Support

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| Icon  Description automatically generatedBuildings |
| Icon  Description automatically generatedClean Power |
| Climate Mitigation and Resilience |
| Cross-Sectoral Justice |
| A picture containing text, clipart  Description automatically generatedJobs and Economic Development |
| Icon  Description automatically generatedMobility |

**Crandon, Wisconsin**

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From October 2023 through March 2024, the National Renewable Energy Laboratory (NREL) provided technical input for an Agrivoltaics Scenario Assessment and performed a techno-economic analysis using NREL’s System Advisor Model (SAM™) to compare agrivoltaics configurations with specific inputs from the Forest County Potawatomi Community (FCPC or Tribe) site. Outputs compared costs, farmable areas, and electricity generation. NREL worked with FCPC and Focus on Energy staff and provided input regarding a topic area that will be presented at the Tribal Nation Energy Symposium in June 2024.

 Impact

The technical assistance provided valuable insights for agrivoltaics, enabling FCPC farmers to make informed decisions that enhance sustainable farming practices, agricultural resilience, foster community development, and economic stewardship within the community. A picture containing clipart

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**Background**

Ann Arbor is a city of approximately 122,000 people located in southeast Michigan. The city and its residents are leaders in sustainability and climate action. Their A2ZERO Climate Action Plan outlines their just transition pathway to community-wide carbon neutrality by 2030. With equity as a focus, they are implementing strategies to improve home energy efficiency (EE) and electrify appliances. Toward this, the city wants to explore community geothermal heating and cooling to serve a variety of building types including rental and affordable housing. The city has applied to DOE’s Geothermal Heating and Cooling Design and Deployment program and garnered the support of City Council to pursue these projects, but they need to understand the concept’s feasibility in order to make a “go, no-go” decision.

The Forest County Potawatomi Community (FCPC or Tribe), a federally recognized Indian Tribe, has called Forest County, Wisconsin, home since the late 1800s. As the largest employer in Forest County, FCPC aims to achieve carbon neutrality by harnessing 100% renewable energy sources, leading by example in sustainable practices. Confronted with constraints on land resources, the Tribe is interested in integrating agrivoltaics into their agricultural operations, with the goal of maximizing electricity generation and sustainability. The Tribe ought assistance in assessing agrivoltaics technologies and modeling their impact on their farmland, making informed decisions for their application to the U.S. Department of Agriculture’s Powering Affordable Clean Energy (PACE) Program, showcasing their commitment to sustainable energy solutions.

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Description automatically generated with low confidence Expert Match Team

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For more information, visit:  
**energy.gov/eere/clean-energy-communities-program**

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