**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 |

**Monticello, Florida**

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From September 2023 through February 2024, the National Renewable Energy Laboratory (NREL) provided technical input for Agrivoltaic (AV) System Design and performed a techno-economic analysis using NREL’s System Advisor Model (SAM™) to compare agrivoltaics configurations with specific inputs from the Monticello, Florida, site (Seed Time Harvest Farms). Outputs compared costs, farmable areas, and electricity generation**.**

 Impact

The community team said, “The impact of this project brought more awareness on how AV can be implemented and engaged in conversations with key stakeholders and others in the area that embrace work toward clean energy strategies. The deliverables will allow for collaborations with statewide stakeholders toward implementing clean energy projects such as AV and community solar.”

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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.

Monticello, Florida, located in Jefferson County, is a community renowned for its rich history of Black farmers who have played a pivotal role in shaping the region's agricultural landscape. These farmers, often descendants of families who have cultivated the land for generations, have encountered numerous challenges, including limited access to resources. There is a growing interest in sustainable agriculture, particularly among its Black farmers. Seed Time Harvest Farms, a community-supported agricultural service operating in the area, is at the forefront of this movement. It offers pick-up or delivery services to families in Jefferson, Madison, and Leon counties while also providing education on the benefits of solar and other clean energy methods. Black Indigenous People of Color (BIPOC) farmers in the Monticello community were seeking technical assistance to implement agrivoltaic systems effectively, aiming to drive economic growth and empowerment for BIPOC farmers.

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Description automatically generated with low confidence Expert Match Team

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Description automatically generated Community Team

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

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