**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 |

**Greenville, South Carolina**

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From March 2023 through May 2024, The National Renewable Energy Laboratory (NREL) evaluated Swyft Cities for technical viability, commercial viability, energy and emissions, codes and standards, and equity and workforce considerations for public mobility in the Greenville area with emphasis on disadvantaged communities.

 Impact

This technical assistance effort equipped Greenville to make strategic investment decisions for future mobility systems for the public transit/mobility systems in the regionA 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.

Carolinas Alliance for Innovation (CA4I) is a nonprofit organization looking to advance economic development through innovative solutions to transportation, infrastructure, engineering, and education in Greenville, South Carolina. CA4I, with the city of Greenville, is planning an implementation of zero-emission, public mobility options and is considering a novel transportation technology. CA4I’s technology, Swyft Cities (also called Whoosh), is based on existing cable guideway point-to-point technology but has to date no deployed service offerings in the United States.

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Description automatically generated with low confidence Expert Match Team

**Sika Gadzanku**  
Community Lead, Main Expert Match Point of Contact and Program Manager, NREL

**Stanley Young**  
Mobility Innovations Lead, NREL

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Mobility Researcher, NREL

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Description automatically generated Community Team

**Fred Payne**  
Transportation Professional

**Steve Yaffe**  
Transportation Consultant, Yaffe Mobility Consulting

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

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