**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 |

**Nashville, Tennessee**

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From April through December 2023, the National Renewable Energy Laboratory (NREL) provided decision support analysis on near-term solar procurement options that included:

* Partnering with the major league’s ice hockey team, Nashville Predators, the team would develop on-site solar and sell the RECs to Metro Nashville. This project is in the very early stages and core decision-making is beyond the control of the Metro.
* Developing solar projects based on recently completed solar feasibility assessment. A feasibility assessment was conducted for rooftop and carport PV across the municipal building stock.
* Executing a contract with Tennessee Valley Authority, its utility, on a 100 MW solar contract. Metro Nashville would offtake 100 MW of a planned 200 MW project. Discussions with Tennessee Valley Authority are advanced.

 Impact

This technical assistance effort helped inform Metro Nashville’s upcoming decisions on procuring solar and decarbonizing energy use to meet Renewable Portfolio Standard (RPS) targets. 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.

Metro Nashville, the largest and most populous metro in the state of Tennessee, recently passed a renewable portfolio standard that requires that the local government use 100% tier-1 renewable energy by 2041 with annual renewable portfolio standard targets. Towards this requirement, the General Services Department, which oversees a sizable share of municipal buildings, is interested in identifying renewable energy options for the city and broader metro area. This department has decision-making power and manages 50% of overall municipal buildings. It recently completed an energy benchmarking study to help identify areas for energy efficiency potential as well as potential sites for rooftop photovoltaics. Additionally, the department has used $2 million from an energy efficiency revolving fund to support building upgrade efforts.

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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**

August 2024