**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 |

**Salt Lake City, Utah**

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From July 2023 through March 2024, the National Renewable Energy Laboratory (NREL) provided technical support to Salt Lake City to increase their understanding of NREL tools to support future analysis. NREL provided training for the following tools: State and Local Planning for Energy, Annual Technology Baseline, and Jobs and Economic Development Impact. Building on the introductory tool training, NREL experts supported Salt Lake City staff in using NREL tools to estimate for emission reductions, cost and benefits, and workforce impact in an “office hours” format.

 Impact

The technical assistance delivered and engagement with experts were key to building capacity among local government staff on accessing data and tools for use in their sustainability activities.

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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.

Salt Lake City is one of 18 Utah communities working with Rocky Mountain Power, Utah’s largest electricity provider, to launch the Community Renewable Energy Program (CREP). The goal of CREP is to match participating customers’ annual electricity use with renewable energy generation delivered to the PacifiCorp/Rocky Mountain Power grid by 2030. To support the launch of CREP, Salt Lake City is seeking to secure financial resources from public and private sources (including from the U.S. Environmental Protection Agency Climate Pollution Reduction Grant Program) to fund a reserve account that allows CREP to acquire utility-scale renewable energy resources. Presenting potential funders with a comprehensive quantification of emissions reductions and other benefits to be realized through CREP’s acquisition of renewable energy resources is critical to building a substantial reserve account. To this end, Salt Lake City’s Department of Sustainability was interested in engaging an NREL expert through the C2C Expert Match program to build staff capacities to accurately use NREL and U.S. Department of Energy public data sources and tools—Green Power Supply Options, State and Local Planning for Energy Platform, Annual Technology Baseline Tool, Jobs and Economic Development Impact Models, and the Low-Income Energy Affordability Data Tool—to quantify emissions reductions and other benefits associated with renewable energy resources the CREP is designed to acquire.

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Description automatically generated with low confidence Expert Match Team

**Sophia Garcia-George**  
Community Lead, Main Expert Match Point of Contact, NREL

**Alexandra Kramer**  
Researcher, Secondary Point of Contact, NREL

**Sarah Murillo**  
Research Intern, Secondary Point of Contact, NREL

**Laura Supple**  
Researcher, SLOPE Tool Expert, NREL

**Jeremy Stefek**  
Researcher, JEDI Tool Expert, NREL

**Brian Mirletz**  
Researcher, ATB Tool Expert, NREL

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**Christopher Thomas**   
Senior Energy Climate Program Manager, Salt Lake City

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

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