**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 |

**Niagara, New York**

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From July 2023 through February 2024, the National Renewable Energy Laboratory (NREL) provided technical support to Niagara County, New York, to inform a strategic decision framework focused on electric vehicle supply equipment (EVSE). Specifically, the expert team completed the following:

* Provided technical expertise to county staff to outline different pathways to achieve electric vehicle (EV)-related objectives through EVSE deployments, such as delineating charging needs/impacts between rural and urban areas; assessing the feasibility, costs, and benefits of EVSE deployments at existing facilities and parking lots; and identifying project partners and funding opportunities to help fund EVSE deployments across the county.
* The expert team also ran a variety of EV adoption scenarios to determine the number of charging stations needed, the types of charging stations to improve performance and lower costs, and a general spatial distribution of EVSE using the following tools:
* EVI-Pro Lite

Simplified version of NREL’s [EVI-Pro](https://nrel.sharepoint.com/sites/CleanCitiesScaleUp/Shared%20Documents/General/Expert%20Match/Post-Launch/Project%20Folders/Durham,%20NC/o%09https:/www.nrel.gov/transportation/evi-pro.html) model that can be run easily from a web browser. Expansion planned for 2023‒2024 that would add significant capabilities and increased resolution.

* EVI-Equity™

Model to evaluate equitable planning for EV charging infrastructure as well as EV adoption.

 Impact

Provided Niagara County with a strategic decision framework focused on EVSE that is cost effective, equitable, and promotes greater adoption of EVs.

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Niagara County is located in New York with a population of roughly 215,000. The county was awarded $81,000 to address energy efficiency and carbon reduction strategies. The county applied to C2C looking for assistance to create a strategic decision framework focused on EVSE that is cost-effective, equitable, and promotes greater adoption of EVs.

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Description automatically generated with low confidence Expert Match Team

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Environmental Analyst, Niagara County Department of Public Works

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

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