

## **MVRPC Request for Quotes**

### **Dayton-Kettering MSA Residential Energy Data Study**

#### Introduction

The Miami Valley Regional Planning Commission (MVRPC) is seeking a qualified firm or team of firms to support the development of a regional energy consumption data set for residential properties in Greene, Miami and Montgomery Counties.

#### **MVRPC is undertaking the search for a consultant firm or team to support climate pollution reduction planning in the Miami Valley Region.**

The *Community-First Energy Plan*, adopted by the MVRPC Board of Directors in August 2025 identifies residential buildings as a leading sector for emissions of climate pollution in the Dayton-Kettering MSA. The envisioned data set, visualizations, and dashboard will assist local governments in identification of priority neighborhoods and/or addresses for educational outreach, and for allocation of resources toward home rehabilitation and weatherization programs.

#### Geographic Scope

The Residential Energy Consumption data set will focus on Greene, Miami and Montgomery counties which together comprise the Dayton-Kettering, OH Metropolitan Statistical Area (MSA). This area matches the geographic scope of MVRPC's Climate Pollution Reduction Planning Grant, awarded in July 2023.

#### Purpose

The Miami Valley Regional Planning Commission, as the lead of Climate Pollution Reduction Planning process, has committed to helping our member jurisdictions design and implement programs aimed at reducing climate pollution emissions from a variety of sectors, including residential buildings. Emissions of climate pollution from residential buildings was identified in the *Community-First Energy Plan* as one of the three largest sources of such emissions.

MVRPC seeks to make available to jurisdictions within the MSA data and analyses regarding residential property energy consumption to assist interested jurisdictions' outreach to their residents about home weatherization, rehabilitation, electrification, energy burden reduction, and indoor air quality. The data set will help jurisdictions identify neighborhoods and properties where building envelope improvements, HVAC and other appliance upgrades can be expected to generate beneficial outcomes for residents and building owners, including improved indoor air quality, home comfort, lowered energy cost burden, and reduced climate pollution emissions. Beyond individual benefits, communities may benefit from increased neighborhood stability, and increased investment in properties. The region benefits from reduced air pollution and climate pollution emissions.

## Project Goals

The Residential Energy Data Study project will result in:

- Acquisition of 3-5 years of residential electricity and natural gas consumption data for all residential properties (accounts) in Greene, Miami and Montgomery Counties.
- Analyses of energy consumption data at the Census Tract or Block Group level regarding metrics such as energy use intensity, energy cost burden, seasonal consumption patterns, and the like. More detail is provided below in the Scope of Work section.
- Creation and maintenance of an online dashboard for visualization of the Census geography-based data and findings.
- Creation and maintenance of an online portal through which local governments within the MSA are able to access more granular data about energy consumption within their jurisdictions.

## Project Approach

Qualified firms for this study must be both a [Certified Retail Electric Service](#) (CRES) and a [Certified Retail Natural Gas Service](#) (CRNG) as certified by the Public Utilities Commission of Ohio. Qualified teams must have both certifications among the firms included in the team. Bids from firms or teams lacking one or both of these certifications will not be accepted/reviewed. Responses to this RFP with demonstrations that such certifications are pending will be given consideration.

Artificial Intelligence (AI) generated content shall be limited for content generation. AI tools may be utilized solely as a productivity aid and not as a substitute for professional judgment. Proposer remains fully responsible for the accuracy, originality, legality, and quality of all materials created or supported with AI tools. Materials must be thoroughly reviewed and confirmed for accuracy by Proposer.

## Scope of Work

**Project Personnel.** Responses to this Request for Quotes shall identify the consultant Project Manager, and the roster of project team members (including subconsultant staff) proposed to conduct work under this contract. Describe briefly the role(s) each team member will have within the overall project.

**Project Work Plan.** Responses to this Request for Quotes should describe the bidder's proposed project approach for development of each of the deliverables. Please list the tools or resources proposed for development of the products. **Please limit this description to 2 pages.**

**Timeline.** Funding for this project is being supported through a grant provided by the U.S. EPA. As such, all work associated with this proposal shall be completed no later than

**November 30, 2026.** Please develop the proposed work plan in a manner consistent with this schedule.

**Expected Outcomes.** Responses to this Request for Quotes should describe the form and usability of the expected deliverables, as follows:

- The dataset of 3-5 years of residential electricity and natural gas consumption for all residential properties (accounts) in Greene, Miami and Montgomery Counties. Describe the data attributes that will be acquired or derived to support the required data analyses.
- Analyses of electricity and natural gas consumption data at the Census Tract or Block Group level regarding metrics such as:
  - energy use intensity in relation to building size
  - energy use intensity in relation to housing type (single, semi, row, multi)
  - seasonal/quarterly/monthly consumption patterns
  - energy cost/burden attributed to supply and delivery
  - heating fuel source
  - homes lacking air conditioning
  - PIPP participants
  - Net metering
  - Shopping customers
  - Peak loads
  - Other analyses as proposed by the bidding firm/team that support the purpose of the project.
- Creation and maintenance of an online dashboard for visualization of the Census geography-based data and findings, including charts, graphs, tables and maps. These visualizations should be interactive at the jurisdictional level.
- Creation and maintenance of an online portal through which local governments within the MSA are able to access more granular data about energy consumption within their jurisdictions. This granular data must support creation and sharing of educational materials to assist property owners in understanding and reducing energy consumption and expenses.

**Please limit this description to 4 pages.**

Submit Proposal/Quotes to:

Matthew Lindsay

Director, REED

Miami Valley Regional Planning Commission

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Deadline for submissions is August 31, 2026.