

COVER PAGE

Funding Opportunity: U.S. Environmental Protection Agency (EPA)
Climate Pollution Reduction Grant (CPRG)
Implementation Grants General Competition
Funding Opportunity Number: EPA-R-OAR-CPRGI-23-07

Applicant Organization: Louisville/Jefferson County Metro Government (LMG)
LMG is the merged city-county government of Louisville/Jefferson County, KY, the most populous city in the Louisville KY-IN Metropolitan 99 Statistical Area (MSA), and represents the MSA in this application.

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Type of Application: Individual application

Total Funding Amount Requested: \$199,999,999 (Tier B)

Application Title: Louisville KY-IN MSA Regional Climate Action Accelerator (LRCA)

Brief description of Greenhouse Gas (GHG) Reduction Measures: The Louisville KY-IN Metropolitan Statistical Area (MSA) Priority Climate Action Plan (PCAP) lists 5 broad GHG reduction measures with 15 actions in total within those measures. The LRCA proposal prioritizes and includes four of those measures and 12 highly connected corresponding actions, as described below:

PCAP Measures and Actions	Inclusion in the LRCA
Measure 1: RESIDENTIAL ENERGY UPGRADE PROGRAM	
<u>Action R1:</u> Leverage bulk-purchasing	Included
<u>Action R2:</u> Financial assistance for residential energy upgrades	Included
<u>Action R3:</u> Equitable workforce and business development	Included
Measure 2: COMMERCIAL/INSTITUTIONAL ENERGY UPGRADE PROGRAM	
<u>Action C1:</u> Opportunity mapping and voluntary benchmarking program	Included
<u>Action C2:</u> Energy advisory service	Included
<u>Action C3:</u> Financial assistance for energy upgrades	Included
<u>Action C4:</u> Utility scale solar	Included
<u>Action C5:</u> Equitable workforce and business development	Included
Measure 3: INDUSTRIAL EFFICIENCY PROGRAM	

<u>Action I1</u> : Energy/GHG advisory service	Included
<u>Action I2</u> : Financial assistance for GHG measures with verification and community oversight	Included
Measure 4: TRANSPORTATION MODAL SHIFT PROGRAM	
<u>Action T1</u> : Invest in public transport	Excluded
<u>Action T2</u> : Enhanced last mile connectivity through active transportation	Excluded
<u>Action T3</u> : Bicycle and e-bike rebates	Excluded
Measure 5: WASTE AND WASTEWATER UPGRADES	
<u>Action W1</u> : Reducing methane emissions from waste and wastewater facilities	Included
<u>Action W2</u> : Food waste diversion	Included

Further, the selected PCAP measures have been grouped into the four key objectives, because of their similarity in goals and functions:

1. **Actions R2, C3, I2, W1, and W2:** Each of these actions involve providing **financial assistance** for residential, commercial, institutional, and waste/wastewater projects that advance energy efficiency and clean energy and reduce emissions. The LRCA proposes to do this through the establishment and capitalization of a green bank.
2. **Actions R1, C1, C2, and I1:** These actions involve offering expert **technical assistance** or GHG advisory service to interested applicants in order to (i) assist project teams to make optimal decisions from a GHG reductions and community benefits standpoint; (ii) help them navigate existing incentives and programs for quick implementation, and (iii) to serve as a third party verifier of project outcomes and GHG impacts and accordingly qualify meaningful projects for financial incentives.
3. **Actions R3 and C5:** These actions pertain to **building capacity** through workforce training coupled to development programs for small, minority-owned, and women-owned business enterprise (SMWBE) so they can lead deployment of regional projects rapidly and at scale, and to ensure that resulting economic development benefits are inclusive of low-income and disadvantaged communities (LIDACs).
4. **Action C4:** This is a specific **utility scale solar project** intended to help LMG make significant progress towards its established goal of 100% clean electricity for municipal operations by 2030, and serve as a positive example for the region.

The remaining PCAP Transportation measure and associated Actions T1, T2, and T3 have not been included in this CPRG grant application. It was determined that these measures and actions, while of undeniable significance to our community, could be better served by other dedicated funding sources.

Sectors: The sectors addressed by the LRCA measures include:

- Industry (Measure 3)
- Commercial and residential buildings (Measures 1, 2, and 5)
- Waste (Measure 5)
- Electric Power (Measure 2)

Expected Total Cumulative GHG Emissions Reductions:

- 2025-2030: **920,824** MTCO₂e
- 2025-2050: **4,963,587** MTCO₂e

Locations:

- States: Kentucky, Indiana
- Primary Region for Measures: Louisville KY-IN MSA
- Included 11 Counties:
 - Louisville/Jefferson County, Kentucky
 - Bullitt County, Kentucky
 - Oldham County, Kentucky
 - Shelby County, Kentucky
 - Spencer County, Kentucky
 - Henry County, Kentucky
 - Trimble County, Kentucky
 - Clark County, Indiana
 - Floyd County, Indiana
 - Harrison County, Indiana
 - Washington County, Indiana

While LMG is leading this application on behalf of the MSA, we intend to conduct robust and targeted outreach throughout the MSA region to source projects in all included counties. Further, as part of the regional PCAP, we have conducted a LIDAC benefit analysis which evaluated ninety-seven LIDACs, and will use the findings to inform the selection of projects that are inclusive of and responsive to community needs and priorities. The 11-county MSA region comprises over 1.2 million residents, of which 26% are identified as LIDAC by the Climate and Environmental Justice Screening Tool (CEJST). The Louisville KY-IN MSA populations represent 11% of the combined populations of Kentucky and Indiana.

Applicable PCAP Reference:

- PCAP Lead Organization: Louisville/Jefferson County Metro Government (LMG)
- PCAP Title: Louisville KY-IN MSA Priority Climate Action Plan
- PCAP Website link:
<https://louisvilleky.gov/sustainability/document/louisville-ky-msa-priority-climate-action-plan-pcap>
- List of GHG reduction measures included in this CPRG grant application and PCAP page reference for each measure:
 - Residential Energy Upgrade Program: Actions R1, R2, and R3 (p37)
 - Commercial/Institutional Energy Upgrade Program: Actions C1, C2, C3, C4, and C5 (p42)
 - Industrial Efficiency Program: Actions I1 and I2 (p45)
 - Waste and Wastewater Upgrades: Action W1 and W2 (p54)