

# CPRG IMPLEMENTATION GRANTS COMPETITION

## COVER PAGE FOR APPLICATION

### APPLICANT INFORMATION

**Organization:** Virginia Department of Environmental Quality

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**TYPE OF APPLICATION** ☐ Individual Applicant ☒ Lead Applicant for a Coalition

*If lead applicant for a coalition, provide a list of the coalition members below.*

Virginia Energy

**FUNDING REQUESTED:** \$99,999,999

**APPLICATION TITLE:** Priority Methane Reduction Projects in Virginia

**BRIEF DESCRIPTION OF GHG MEASURES:** This application includes three programs that align with the Virginia Priority Climate Action Plan (PCAP) Measure 8: Identify and implement strategies to reduce high-potency GHG emissions from industrial processes, energy production, agriculture, waste, and wastewater treatment.

These three programs focus on reducing methane emissions from sources across the Commonwealth, including coal mines and landfills. These programs included under the umbrella of this application - *Priority Methane Reduction Projects in Virginia* - focus on reducing methane emissions from coal mines and landfills through capture and beneficial use and reducing landfilled organic materials through different activities. These sources have already identified and proven paths to implementation, and they provide substantial air quality, public health, energy, resilience, and economic benefits, particularly in low-income, disadvantaged communities (LIDACs).

### **SECTORS:**

- ☐ Industry ☐ Commercial and Residential Buildings
- ☐ Electricity Generation ☐ Agriculture/Natural and Working Lands
- ☐ Transportation ☒ Waste and Materials Management
- ☒ Other (please describe): Energy Production

### **EXPECTED TOTAL CUMULATIVE GHG EMISSION REDUCTIONS**

**Estimated cumulative GHG reductions for 2025-2030 (in metric tons):** 3,398,933.34 metric tons CO<sub>2</sub>e

**Estimated cumulative GHG reductions from 2025-2050 (in metric tons):** 24,821,257.90 metric tons CO<sub>2</sub>e

### **LOCATIONS:**

The coal mine methane program will result in projects at one or more active or abandoned mine sites located in Buchanan County, Russell County, or Tazewell County.

The landfill methane capture program will result in projects at landfills with high potential for methane capture and beneficial use located in Augusta County, Bedford County, Carroll County, Franklin County, Greensville County, Loudoun County, Mecklenburg County, Orange County, Page County, Pittsylvania County, Prince Edward County, Rockbridge County, Rockingham County, Shenandoah County, Spotsylvania County, or Tazewell County.

Food waste reduction and composting projects will be at selected locations throughout the Commonwealth.

Exact project locations resulting from each of these programs will be determined via a competitive selection process designed to maximize GHG reduction benefits and benefits for LIDACs.

#### **APPLICABLE PRIORITY CLIMATE ACTION PLAN(S) (PCAP) REFERENCES**

**PCAP Lead Organization(s):** Virginia DEQ

**PCAP Title(s):** Commonwealth of Virginia Priority Climate Action Plan

**PCAP Website link(s) (if applicable):**

<https://www.deq.virginia.gov/home/showpublisheddocument/22732>

#### **List of GHG reduction measures and PCAP page reference for each measure:**

| <b>Measure</b>   | <b>PCAP Title(s) and Page Numbers</b>                              |
|--|--|
| <b>Measure 8: Identify and implement strategies to reduce high-potency GHG emissions from industrial processes, energy production, agriculture, waste, and wastewater treatment.</b> | Commonwealth of Virginia Priority Climate Action Plan , page 62-65 |