

NOTE: USE OF THIS EXAMPLE COVER PAGE IS OPTIONAL. IF THIS INFORMATION IS PROVIDED IN A DIFFERENT FORMAT, EPA WILL NOT REVIEW AN APPLICATION UNFAVORABLY.

**CPRG IMPLEMENTATION GRANTS COMPETITION
COVER PAGE FOR APPLICATION**

APPLICANT INFORMATION

Organization	Kansas State University (Engineering Extension)
Primary Contact Name	Paul R. Lowe (Administrative); Leena Divakar & Ryan Hamel +
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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.

FUNDING REQUESTED: *Provide total EPA CPRG Implementation Grant funding requested.*

\$ 48,180,934

APPLICATION TITLE: *Provide the title of your proposed project.*

K-State Engineering Extension Emission Reduction Projects

BRIEF DESCRIPTION OF GHG MEASURES: *Describe each GHG reduction measure contained in the application (1-2 sentences each).*

All proposed measures will be used to reduce GHG emissions within the state of Kansas. Project 1 will provide GHG emission reduction technical training for industry and public engagement opportunities. Projects 2A and 2B will install a heat exchanger and capture waste heat for electricity production at a carbon black plant. Project 2C will build upon an existing P2 intern program to implement shovel-ready projects and assist projects with GHG reductions to select group of small businesses. Project 2D will provide energy efficiency and renewable energy technical and financial assistance to small businesses with priority given to those in disadvantaged and urban communities. Project 3 will be used to incorporate GHG reduction measures at the new K-State Global Center for Grain and Food Innovation facility. +

SECTORS: *Identify the sector(s) associated with the GHG reduction measures included in the application.*

- | | |
|--|--|
| <input checked="" type="checkbox"/> Industry | <input checked="" type="checkbox"/> Commercial and Residential Buildings |
| <input checked="" type="checkbox"/> Electricity Generation | <input type="checkbox"/> Agriculture/Natural and Working Lands |
| <input type="checkbox"/> Transportation | <input checked="" type="checkbox"/> Waste and Materials Management |
| <input type="checkbox"/> Other (please describe) | <div></div> |

EXPECTED TOTAL CUMULATIVE GHG EMISSION REDUCTIONS

For all proposed measures combined, provide the estimated cumulative GHG reductions:

Estimated cumulative GHG reductions for 2025-2030 (in metric tons)

82,005

Estimated cumulative GHG reductions from 2025-2050 (in metric tons)

919,591

LOCATIONS: *List the primary location(s) where the proposed measures will be implemented*

City

Ulysses (Project 2A and 2B), Kansas State wide (Project 2C and 2D), Manhattan

State; Territory; Federally recognized Tribe

Kansas

APPLICABLE PRIORITY CLIMATE ACTION PLAN(S) (PCAP) ON WHICH MEASURES ARE BASED

PCAP Lead Organization(s):

Kansas Department of Health and Environemnt

PCAP Title(s):

Kansas Emission Reduction and Mitigation Plan

PCAP Website link(s) (if applicable):

<https://www.kdhe.ks.gov/DocumentCenter/View/36>

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

Project 1: Industry Training and Community Engagement (Page 13,38)
Project 2: Industry Emission Reduction Assistance: Assessment and Implementation (page 13, 38)