

Instructions for the On-line Application

The Reducing Industrial Sector Emissions in Pennsylvania (RISE PA) Grant Program application must be submitted online through the Electronic Single Application (ESA) website. **Paper and faxed copies will not be accepted.** This change allows DEP to expedite the review process. The link to the ESA website is: <https://grants.pa.gov/Login.aspx>

No documentation should be mailed to DEP.

User Tips

- Electronic Single Application works best when accessed through Microsoft Edge or Google Chrome
- If you allow your screen to sit idle for 30 minutes or more, you will lose the data entered since your last save and will have to re-enter it.
- Save frequently.
- When completing the application, fields with a “◆” are required fields. If a required field is skipped, you will be notified later in the application to return to the affected section to complete the field.
- Do not use special characters such as \,/,*,&,%,#, etc.
- If you have questions completing the application, please contact Enterprise eGrants Customer Service Center at 1-833-448-0647 or email at egrantshelp@pa.gov. Operating hours are Monday through Friday from 7:00 am to 6:00 pm EST.

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Reminder: If you have questions completing the application, please contact Enterprise eGrants Customer Service Center at 1-833-448-0647 or email at egrantshelp@pa.gov. Operating hours are Monday through Friday from 7:00 am to 6:00 pm EST.

1. Registration and Login

- Go to ESA login page <https://grants.pa.gov/Login.aspx> and follow the instructions for creating a new account, or login with your existing account.
- **Write down and save** the Username and Password you have chosen. You will need this for later your grant documents.

General Facts

- Create a New Keystone Login Account – [Registration](#)
 - Click Register and enter all of the information into the fields with a red asterisk (*) next to them.
 - You will be asked to create your profile, login information and security questions.
 - If you have already created an account with another agency whose application uses the Keystone Login Service, you do not need to register another account with us.
 - If you create a Keystone Login account with us, you will be able to use this account with other agencies that use Keystone Login.
 - Some additional information may be required for those agencies.
- Keystone Login Services
 - There are many account options that can be configured for your Keystone Login account. Please see the help documents provided by the [Keystone Login Service](#)
 - Keystone Login account assistance or password resets, please contact the Keystone Global Help Desk at 877-328-0995
- For technical assistance with an application, please contact the appropriate resource center listed below
 - **DCED customers:** Please contact the DCED Customer Service Center. Representatives are available Monday through Friday, from 8:30 AM until 5:00 PM, at 800-379-7448. Email inquiries can also be sent to ra-dcedcs@pa.gov.
 - **Customers of all other agencies:** Please contact the Enterprise eGrants Customer Service Center. Representatives are available Monday through Friday, from 8:00 AM until 6:00 PM, at 833-448-0647. Email inquiries can also be sent to egrantshelp@pa.gov.

Login

What's New?

For an overview of the changes in the new Single Application, please read [Help](#).

Username

Password



Powered by

KEYSTONE LOGIN

[Register](#)

NOTE: If registering for the first time with Keystone Login, please include an email address with your account. It will be needed to successfully complete grant applications and grant processing.

[Forgot Password](#)

[Forgot Username](#)

[Learn more about Keystone Login](#)

[Having Trouble Registering](#)

2/3/2025

2. Begin a New Application

- Project Name – Choose and enter a name for your project.
- Do you need help selecting your program – Select “Yes”
- Click on “Create a New Application”

Begin a New Application

To begin a new Single Application For Assistance, enter a brief name for the project (up to sixty characters) and answer whether you need help selecting your program. If you already know the name of the program you want to apply for, answer "No".

Project Name

Do you need help selecting your program?

CREATE A NEW APPLICATION



3. Select Program

- Under “Agencies,” click DEP
- Scroll down and click “Search”

Select Program

Below is a listing of the types of organizations and projects that are most commonly funded. You may select more than one option. If no options are selected, all programs will display.

Agencies
Select to limit the search results.

Dept of Agriculture PCA DCED DEP PennDOT PLCB L&I Office of the Budget PDA PEMA PHMC

[Clear Agencies](#)

Non-Profit/Government Enterprise Types ([Display For-Profit Program Finder](#))
If you are applying on behalf of a company, you may want to search the For-Profit Program Finder (click the link above).

Authority

College/University

Economic Development Provider

Types of organizations include but are not limited to: Area Loan Organizations (ALO), Community Development Financial Institutions (CDFI), Economic Development Corporations (EDC), Industrial Development Authorities (IDA), Industrial Development Corporations (IDC), Local Development Districts (LDD), Redevelopment Authorities, and Regional Export Networks (REN).

Municipality

County Government and Councils of Governments (COGs) should also check this option for eligible programs.

Other Government or Non-Profit

Programs that are available to Government or Non-Profit organizations not listed above. Non-Profit/Government organizations listed above may also want to check this section for additional funding sources. Private Non-Profit organizations competing in primarily For-Profit industries may also want to check the For-Profit Program Finder for potential programs after using the Non-Profit Program Finder.

Use of Funds
Be sure to carefully read the Program Fact Sheet and Guidelines to make sure the project costs are eligible for funding. If the project does not match any of the options listed below, leave this section blank to view all programs.

Advanced Technology - Including Biotechnology, Life Sciences, and Nanotechnology.

Community Services - Examples include Low Income Assistance projects and Emergency Responders programs.

Infrastructure / Site Development / Housing - Including Construction, Environmental Assessments and Clean-Up, Land and Building Acquisition.

Machinery and Equipment

Planning / Marketing - Encompasses a wide range of projects, including Consulting Services, Municipal Planning, Research and Development, and Tourism Promotion.

Workforce Development - Including Education and Job Training.

Sort By
Show Single Application Programs First ▾

2/3/2025

4. Apply

- Scroll down through the various grant offerings, locate the “ Reducing Industrial Sector Emissions in Pennsylvania (RISE PA) Grant Program and click on “Apply.”

Search Results

Below is an alphabetical listing of all programs matching the search criteria above. If you are eligible to apply, click the Apply link to select the program.

Reducing Industrial Sector Emissions in Pennsylvania (RISE PA)

 [Apply](#)

Pennsylvania Department of Environmental Protection

The Pennsylvania Department of Environmental Protection (DEP) is offering up to \$320 million in grant funding for industrial decarbonization projects at Industrial Facilities through the Reducing Industrial Sector Emissions in Pennsylvania (RISE PA) program. RISE PA is funded through the Environmental Protection Agency's (EPA) Climate Pollution Reduction Grants. The primary goals of RISE PA are to reduce greenhouse gas (GHG) and co-pollutant emissions from Pennsylvania's industrial sector by funding medium- and large-scale decarbonization projects that deploy technologies including but not limited to energy efficiency, electrification, industrial process emissions reduction, fuel-switching, on-site renewable energy, carbon capture, utilization, and storage, and fugitive emissions reduction technologies. For further information on the program, see [Reducing Industrial Sector Emissions in Pennsylvania](#) website. Please read the Program Guidelines and Program Specific Instructions before applying.

Additional Information: [Program Fact Sheet](#), [Guidelines](#)

5. Applicant Information

- The Applicant Information section requires data related to the entity for which the application is being submitted.
- Applicant Entity Type – select the appropriate type for your organization
- Applicant Name – Enter the legal name, the name under which the entity legally conducts business.
- NAICS Code – enter the appropriate code for your organization
- FEIN/SSN Number - Enter the Federal Tax ID number for the legal name (no dashes).
- UEI Number – Unique Entity Identifier. Enter the applying organization’s unique, 12-character alphanumeric identifier which is assigned to all entities that conduct business with the federal government.
- Top Official/Signing Authority – In this block, enter the authorized representative of the organization.
- Title – Enter the title of the authorized representative.
- SAP Vendor# - Enter, if known.
- Contact Name – Enter the primary contact name for this project.
- Contact Title – Enter the primary contact title for this project.
- Phone and Fax – Enter the phone and fax numbers for the primary contact title for this project.
- E-mail – Enter the e-mail for the primary contact title for this project.
- Mailing address, City, State and Zip Code – Enter this information for the primary contact for this project.
- Enterprise Type – Select appropriate type.
- Click “Continue”

Applicant Information

To copy your Registration information into the application, click the "Use Account Information" button below.

USE ACCOUNT INFORMATION

Applicant Entity Type: Limited Liability Partnership Partnership
 Government Non-Profit Corporation
 Sole Proprietorship Limited Liability Company
 S Corporation C Corporation

Applicant Name:

NAICS Code:

FEIN/SSN Number:
*Please enter FEIN as 9 digits, no dash.

UEI Number:

Top Official/Signing Authority:

Title:

SAP Vendor #:
(xxxxxx or xxxxxx-xxx)

Contact Name:

Contact Title:

Phone: Ext.
(xxx-xxx-xxxx)

Fax:

E-mail:

Mailing Address:

City:

State: PA

Zip Code:

Enterprise Type

Indicate the types of enterprises that describe the organization listed above. You may select more than one type.

<input type="checkbox"/> Advanced Technology	<input type="checkbox"/> Agri-Processor	<input type="checkbox"/> Agri-Producer	<input type="checkbox"/> Authority	<input type="checkbox"/> Biotechnology / Life Sciences
<input type="checkbox"/> Business Financial Services	<input type="checkbox"/> Call Center	<input type="checkbox"/> Child Care Center	<input type="checkbox"/> Commercial	<input type="checkbox"/> Community Dev. Provider
<input type="checkbox"/> Computer & Clerical Operators	<input type="checkbox"/> Defense Related	<input type="checkbox"/> Economic Dev. Provider	<input type="checkbox"/> Educational Facility	<input type="checkbox"/> Emergency Responder
<input type="checkbox"/> Environment and Conservation	<input type="checkbox"/> Exempt Facility	<input type="checkbox"/> Export Manufacturing	<input type="checkbox"/> Export Service	<input type="checkbox"/> Food Processing
<input type="checkbox"/> Government	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Hospitality	<input type="checkbox"/> Industrial	<input type="checkbox"/> Manufacturing
<input type="checkbox"/> Mining	<input type="checkbox"/> Other	<input type="checkbox"/> Professional Services	<input type="checkbox"/> Recycling	<input type="checkbox"/> Regional & National Headquarters
<input type="checkbox"/> Research & Development	<input type="checkbox"/> Retail	<input type="checkbox"/> Social Services Provider	<input type="checkbox"/> Tourism Promotion	<input type="checkbox"/> Warehouse & Terminal

[Continue](#)

6. Project Overview

- Project Name – The project name will auto-populate.
- Site Locations – Default setting at 1. Only needs filled in if more than one site location exists for this project.

The rest of the information in the Project Overview section is not required and does not need to be filled out.

Replace Image based on program

Project Overview

Project Name: ♦

901 Municipal

Is this project related to another previously submitted project?

No ▼

If yes, indicate previous project name:

Have you contacted anyone at DEP about your project?

No ▼

If yes, indicate who:

Is your community certified through [Sustainable Pennsylvania?](#)

No ▼

If yes, what level:

Bronze Silver Gold Platinum

Are you interested in applying for multiple funding sources for this project?

You are only permitted to apply for one program per application. By answering "Yes", you will be given the ability to apply for an additional program on the Certification page after this application has been submitted.

No ▼

How many Site Locations are involved in the project?

1 ▼



Click on “Continue”

7. Project Site

- Address – Enter the applicant’s mailing address (street address). **P.O. Boxes are not acceptable.**
- City, State and Zip Code – Enter this information.
- County – Select county from the dropdown box.
- Municipality – Select municipality from the dropdown box.
- PA House and PA Senate – These fields will be auto-populate based on the information entered above. If more than one Rep or Senator exists for your location, please select the appropriate one.
- Designated Areas – Leave blank.

Project Site Location(s)

To add Project Site Locations, please see the [Project Overview](#) section.

Site 1

Address:

City:

State: PA

Zip Code:

County: -- Select County -- ▾ ◆

Municipality: -- Select Municipality -- ▾ ◆

PA House: ◆

PA Senate: ◆

Designated Areas:

<input type="checkbox"/> Act 47 Distressed Community	<input type="checkbox"/> Brownfield
<input type="checkbox"/> Enterprise Zone	<input type="checkbox"/> Greenfield
<input type="checkbox"/> Keystone Innovation Zone	<input type="checkbox"/> Keystone Opportunity Zone
<input type="checkbox"/> Prime Agricultural Area	<input type="checkbox"/> Uses PA Port



Click on “Continue”

8. Project Narrative

- Complete all fields in this section

Project Narrative

Adequate answers to the Project Narrative questions below are required. Uploaded attachments or mailed documents are no longer permitted in this section of the application. If a more detailed narrative is required for the Program selected, instructions will either be provided in the Addenda section or the Program Guidelines.

MANAGEMENT SUMMARY: ♦

Provide a brief description of the proposed project and emissions reduction technology or technologies that will be implemented. This should be a short and concise description of your project. More detailed project information will be required in the Supplemental Application on the addenda tab.

Character Count: 0 characters.

[Continue](#)

Click on “Continue”

9. Program Budget

There are two tabs on this page which need to be completed, the Spreadsheet and Basis of Cost.

a. Spreadsheet

- Click on the Spreadsheet tab
- Enter any budget instructions or minimum/maximum amounts as needed

Program Budget

Please see the [Help](#) section for details on how to complete the Program Budget.

[Spreadsheet](#) [Basis of Cost](#)

Please be concise when completing the Budget Narrative section of the Basis of Cost Tab as there are additional budget narrative questions in the Addenda Tab.

Budget Spreadsheet ♦

The first column indicates the amount of funding you are requesting from DEP. After completing the budget, please complete the [Basis of Cost](#) tab. Included is a Budget Narrative where you can provide a more detailed description of specific line items.

Add funding source	Reducing Industrial Sector Emissions in Pennsylvania (RISE PA)	Match Private	Total
RISE PA Program - Collapse	\$0.00	\$0.00	
Personnel Remove	<input type="text" value="\$0.00"/>	<input type="text" value="\$0.00"/>	\$0.00
Equipment (over \$5,000/item) Remove	<input type="text" value="\$0.00"/>	<input type="text" value="\$0.00"/>	\$0.00
Supplies (under \$5,000/item) Remove	<input type="text" value="\$0.00"/>	<input type="text" value="\$0.00"/>	\$0.00
Contractual Remove	<input type="text" value="\$0.00"/>	<input type="text" value="\$0.00"/>	\$0.00
Total	\$0.00	\$0.00	
		Budget Total:	\$0.00

[Continue](#)

Click on “Continue”

b. Basis of Cost Tab

- Click the Basis of Cost Tab
- Provide a brief narrative of the cost of each requested item.

Program Budget

Please see the [Help](#) section for details on how to complete the Program Budget.

Spreadsheet **Basis of Cost**

Basis of Cost ◆

Provide the basis for calculating the costs that are identified in the Project Budget.

- Appraisals
- Bids/Quotations
- Budget Justification
- Contractor Estimates
- Engineer Estimates
- Sales Agreements

Budget Narrative ◆

The narrative must specifically address each of the cost items identified in the Budget Spreadsheet.

Character Count: 0



Click on “Continue”

10. Program Addenda

A. Supplemental Application Tab

Project Overview

1. Indicate the selected Award Track – Please select whether your project is a Medium- or Large-scale Award Track.
2. List the total project cost.
3. In the provided text boxes, provide the amount of funding being requested from RISE PA in dollars and as a percentage of total eligible project costs.
4. If applicable, indicate whether the Community Benefits Bonus, Fair Labor Bonus or Greenhouse Gas Emissions Reduction Bonus apply to your funding request.
5. Select the project type(s) that describe the funding request. Select only those that apply.
6. In the textboxes provided, add the current total facility GHG emissions baseline, the total facility GHG emissions after-project implementation, the difference and the percentage reduction.
7. List the lifespan (in number of years) for the emissions reduction technology. **Please note: Answer this question only in relation to the project type(s) selected in Question #5.**
8. In metric tons per year, list the estimated values for co-pollutants where there will be an anticipated reduction.
9. List any changes to energy use if applicable to your project.
10. In months, indicate how long after grant agreement execution the project will break ground.
11. List the estimated date the project will be completed and fully commissioned.
12. List project duration in months.
13. Provide the electric utility servicing the project location.
14. Provide the gas utility servicing the project location.
15. Answer “Yes or No” to whether an energy audit was completed. If “Yes,” list the date of the audit.
16. Has the applicant applied to DEP for an Industrial Energy Assessment? Answer “Yes or No.” If “Yes,” indicate whether the assessment has been completed.
17. Is the facility location, where the project will occur, currently subject to any state or federal law, regulation, or legally binding mandate regarding energy consumption and/or air pollutant emissions amounts? Answer “Yes or No.” If “Yes,” describe each state or federal law, regulation or legally binding mandate that applies.
18. Indicate “Yes or No” if the project is located within an EPA IRA Disadvantaged Community.
19. Answer “Yes or No if the applicant has any outstanding obligations to the Commonwealth.
20. Does the applicant have any unresolved compliance issues with DEP? Answer “Yes or No.”

Company Overview

21. In the text box, describe the company, existing industrial and manufacturing capabilities, including operations and processes at the facility where the project implantation is planned. Also include a detailed description of the equipment and processes employed at the facility.
22. Describe the products that are currently produced at the facility and the average annual output in units (e.g. tons of steel). Also describe whether the project will alter the capacity or output of the facility, including whether the project will shift output from one product to another.

Project Scope

23. Detail the project plan. Include specific work tasks to be completed, the implementation timeline with key phases and milestones along with estimated completion dates, the

technological scope of the project, and potential inflection points (go/no-go decisions) where project completion may be reconsidered. Project milestones should include project start date, design phase, equipment purchase(s), construction, installation, commissioning, measuring monitoring and verification and any other relevant milestones.

24. Describe all equipment used to facilitate GHG emission reduction and to the extent to which best-in-class technologies will be deployed. If there are multiple technologies, describe each.
25. Indicate the expected lifespan of the equipment to be installed. Include the current age of the equipment that will be replaced and if the equipment being replaced is within three years of the end of its lifespan.
26. Include a measuring, monitoring and verification (MMV) plan with a description of the MMV protocol that will be employed to establish the GHG and co-pollutant emissions baselines before the project begins and verify actual energy savings and emissions reduced after project completion.
27. Is the proposed equipment required to be installed by a current local, state or federal regulation or building standard? When will the installation be required? Also explain how all resulting air pollutant and/or energy reduction benefits are in excess of existing reduction or efficiency requirements.
28. List the legal, financial, engineering, procurement, supply chain and construction risks or challenges associated with the project that may delay, interrupt, or prevent the implementation of the proposed project. Describe proactive steps and risk mitigation to reduce/manage risks.
29. Disclose any actual, potential or appearance of conflicts of interest in connection with the Commonwealth, DEP, EPA, or the RISE PA or CPRG programs.

Project Team

30. List key management and senior personnel for the projects. Include names, positions or titles, unique qualifications and expertise.
31. Describe the unique capabilities and expertise of the applying organization and major partner organizations (if applicable), including debt or equity sponsors, contractors/vendors (if known) and any other counterparty that the applicant believes will enable the project to be successful.
32. List any awards the applicant has received from any other state or federal grants, the amount of the grant(s), and whether the work was completed successfully. If this does not apply, enter "N/A."
33. Upload resumes or curriculum vitae (CV) for the key management and senior personnel listed above. Combine into one PDF document prior to uploading.

Permitting

34. List all federal, state and local permits, environmental authorizations (if applicable), or reviews necessary to commence construction of the project. Indicate if all permits have been secured. For those not secured, list the date by which they will be attained.
35. Indicate whether the proposed project requires notifications, compliance with land use plans, zoning codes, permits, utility authorizations or other approvals. Make sure to specify any notifications, permits or authorizations needed, including any governmental or utility requirements.
36. Answer “Yes or No” if the project is ready to break ground after grant agreement execution should this project be selected for funding. If “No” is the answer, explain what else is needed prior to implementation.

Project Benefits and Impact

37. Describe the project’s expected community outputs, outcomes, and performance measures.
38. Explain how the project will enhance workforce and job quality, including commitments to ensure job quality and a diverse workforce and potential to create and/or retain high-quality, good-paying jobs.
39. Describe any other environmental benefits that will result from the project implementation.
40. Describe potential negative impacts, direct, indirect, or cumulative, related to the implementation of this project, whether they be economic, social, health or environmental.
41. Describe how the proposed project aligns with any of the Applicant’s existing sustainability/decarbonization initiatives.

Project Innovation/Transformative Impact

42. Explain how the projects or aspects of the project are innovative and how the project could be transformative.
43. Describe the extent to which the proposed project has the potential to create transformative opportunities or impacts that can lead to significant additional GHG emission reductions.
44. Describe how this project has the potential for replicability and what steps the Applicant will take to stimulate industrial interest.
45. Describe the Technology Readiness Level of the technology to be installed.

Stakeholder Engagement

46. Give a comprehensive list of stakeholders that the project plans to engage from local governments, labor unions, environmental groups and community-based organizations.
47. Explain how input by Low-Income and Disadvantaged Communities (LIDACs) have been incorporated into the application and how meaningful engagement will be continuously included in the implementation of the project throughout its lifetime.

B. Project Specific Questions Tab

Energy Efficiency

1. Summarize the proposed energy efficiency project. Submit 1-2 sentences if the project is fully described in the narrative section.
2. Fill in table with GHG emissions data for electricity.
3. Fill in table with GHG emissions data for natural gas and/or other fuel sources.

Electrification

1. Summarize the proposed electrification project. Also include any related process energy efficiency improvements that will be undertaken with the strategic electrification.
2. Answer “Yes” or “No” as to whether the proposed project will require electrical system upgrades at the facility.

3. Select “Yes” or “No” if the funding for the installation of a renewable energy system has been sought to aid in the project adoption.
4. Answer “Yes” or “No” if RISE PA funding is also being sought for renewable energy.
 - a. If “Yes,” describe what role the renewable energy system will play in facilitating the electrification project. Also indicate whether the renewable energy system is integral to meeting the energy demands or achieving emissions reductions goals.
5. Answer “Yes” or “No” if utility service upgrade will be needed due to an increase in electricity demand.
6. Select “Yes” or “No” to indicate whether the project will allow for load shifting or demand response.
 - a. If “Yes,” how will the load shifting be implemented? Also, what is the estimated amount of load that can be shifted.
7. Respond “Yes” or “No” if the project will allow the facility to become fully electric.
8. Complete the GHG Calculation Summary table.

Industrial Process Emissions Reduction

1. Provide a brief summary of the proposed emissions reduction project.
2. Describe any other emissions impacts from this technology.
3. Explain how the new tech or process will be implemented.
4. State how the new tech or process will impact overall emissions intensity of the resulting product.
5. Describe other commercial technologies or processes that are available to produce an equivalent commodity. Also, state how they compare from a product-level emissions intensity basis.
6. Explain how the technological or process change will impact local environmental pollution.
7. Describe what fuels, raw materials, and equipment are required to operate the new tech or process.
8. Has this new tech or process been implemented previously at a commercial scale? Answer “Yes” or “No.”
 - a. If the answer is “Yes,” describe the outcome, emission reductions that were realized, if the project is still operational, and whether the applicant communicated with the developers or operators to gather insights.
 - b. If the answer is “No,” describe the primary technological risks, the plans that are in place to mitigate the known risks, and how this new tech or process differs from incumbent/traditional methods of production.
9. Fill in the GHG Calculation Summary table.

Fuel Switching Technologies

1. Summarize the proposed fuel switching project.
2. What is the current fuel being used for industrial process(es)?
3. Explain proposed low carbon fuel or feedstock.
4. How much low-carbon fuel or feedstock will be utilized? Also, calculate the fuel substitution ration.

5. Explain whether the project includes low-carbon fuel or feedstock production facilities or whether applicant has secured a supplier for the low-carbon fuel or feedstock. Include any agreements or partnerships that are already in place, describing contract terms, locations or any counterparties.
 - a. Describe how much of the low-carbon fuel or feedstock procured will be certified; indicate under what standard it will be certified. If no certification is currently in place, explain why and also explain any plans for certification or alternative pathways for certification.
 - b. Explain where the new fuel or feedstock is manufactured or being supplied from.
 - c. Explain the transportation plans for the new fuel or feedstock to the project location and whether the fuel transportation/transmission emissions will be accounted for.
 - d. State how the upstream fuel production emissions will be accounted for.
6. Describe how the criteria pollutant (particularly NO_x) impacts of alternative fuel or feedstock combusting are being accounted for and any co-benefits associated with making the switch.
7. Describe any alternative fuel or feedstock options that exist for the designated heating operations and state why the selected fuel was chosen for this project.
8. List process changes that will be required to switch to low-carbon or feedstock (new burners, updated control systems, etc).
9. Will onsite fuel or feedstock storage be required? Answer “Yes” or “No.”
 - a. If “Yes” is answered, describe volumes, storage methods and safety measures.
10. Fill in GHG Calculation Summary table.

On-site Renewable Energy

1. Describe types of renewable energy systems that will be deployed.
2. Fill in the capacity of the renewable systems.
3. “Yes” or “No” – Is it anticipated the renewable energy system will be sending energy to the grid?
 - a. If the answer is “Yes,” indicate how much renewable energy is expected to be exported to the grid.
 - b. If the answer is “Yes,” describe the arrangement in which compensation will be received for exported electricity.
4. State the percentage of the Industrial Facility’s annual energy consumption that will be met by the renewable energy source post project installation.
5. Answer “Yes” or “No” – Will battery energy storage be included?
 - a. If the answer is “Yes,” describe how the battery energy storage will contribute to GHG emissions reductions.
 - b. If the answer is “Yes,” what will the battery energy storage system’s capacity be?
 - c. If the answer is “Yes,” provide a justification for the amount of storage required.
6. Fill in the GHG Calculation Summary table.

Carbon Capture, Utilization, and Storage (CCUS)

1. Give a detailed description of the proposed CCUS project. Include the source of carbon emissions and indicate the end-use of the captured carbon. If utilization, also specify whether there are specific utilization end uses identified.
2. What is the total carbon capture potential of the project year?
3. What is the cost of capturing CO_{2e}? Factor in both operational and capital expenses.
4. State what type of capture agent/medium the project will utilize.
5. What is the anticipated capture efficiency from the industrial process stream?

6. Explain the estimated purity of the CO₂ stream to be captured.
7. Describe the equipment integration process into the existing industrial facility.
8. What are the primary energy source(s) for the project? Will there be any renewable energy sources used? Provide the percentage of the project's energy demand that will be met by renewable sources on an annual basis.
9. Calculate the estimated CO_{2e} emission reduction over the life of the project per dollar of RISE PA grant funding requested.
10. Detail any other gases that are contained within the flue gas stream. Also indicate whether these gases will be removed, stored, destroyed, or re-released.
11. Describe the project's readiness to meet regulatory requirements and secure permits for CCUS technologies, including but not limited to: right of ways for pipelines, Class VI permit, air permit to capture the carbon.
12. Fill in the GHG Summary Calculation table.

Carbon Capture and Storage (CCS)

1. Provide a detailed narrative that outlines the storage and transportation logistics. Provided information should include, but is not limited to:
 - a. Storage method & process
 - b. Storage site owner or operator
 - c. Location of pipelines to be used and pipeline operator (if applicable)
 - d. Date the pipeline will be available for captured CO₂ transport with supporting documentation (as applicable)
 - e. Verification of an agreement with CO₂ transportation company & storage site owner
 - f. Storage agreement(s) secured as applicable.
2. Provide monitoring and verification procedures that will be implemented to ensure the integrity of the carbon storage project. Provided information should include, but is not limited to:
 - a. Types of monitoring equipment and methods (e.g., remote sensing, well monitoring)
 - b. Frequency and duration of monitoring activities
 - c. Protocols for data collection, analysis, and reporting
 - d. Plans for independent third-party verification and auditing, if applicable
 - e. Contingency measures in place for any detected leakage or other issues.
3. Provide information on the project's storage plan if the method of carbon storage will be underground. Information provided should included but is not limited to:
 - a. Summary results of storage and transportation-specific (as applicable) studies
 - b. Indicate whether an applicable Underground Injection Control Class VI permit has been obtained or applied for.
 - c. Briefly describe the facility's emergency and remedial response plan
 - d. Describe the pore space owner
 - e. Liability clarification
 - f. Demonstrate performance of any sequestered carbon that will exceed 100 years.

4. Respond to the following if the project utilizes pyrolysis-based carbon management:
 - a. List the system inputs (corn stalks, wood, etc.)
 - b. Will the system inputs be sustainably sourced? Describe how they are sourced.
 - c. State what finished products will result from the pyrolysis process (biochar, bio-oil, etc.)
 - d. Has a Life Cycle Assessment (LCA) demonstrated that the project will be greenhouse negative? Were incineration credits used in the LCA? If so, describe how incineration avoidance credits were used in the LCA; how many were used; and how the incineration avoidance is being confirmed.
 - e. Briefly describe the facility's emergency and remedial response plan.
5. Answer "On-site" or "Offsite" as to whether captured carbon will be stored on-site at the industrial facility or transported for offsite storage.
6. Describe captured carbon transport from source to the storage site.
7. Detail durability and security of the CO_{2e} storage (geological stability, etc.)
8. Describe legal and commercial structures of the project. Include sourcing the carbon, transporting and storing, as well as legal and tax credit liabilities.
9. Applicants who are proposing to sell captured CO₂ to an Off-Taker for storage offsite, complete the following as applicable.
 - a. Has an Off-Taker been secured? List any agreements or partnerships in place.
 - b. How will the Off-Taker store the captured CO₂?
 - c. How will the CO₂ be transported to the Off-Taker?

Carbon Capture and Utilization (CCU)

1. Describe technology, product and process for carbon utilization.
2. Explain how proposed CCU project will contribute to GHG emissions.
3. If CO₂ will be utilized in product(s), how long is it estimated to remain within the product before being re-released into the atmosphere? Provide a lifecycle assessment of the product(s) if available.
4. If using product storage as the method for carbon storage, explain the project's storage plan. The information to be provided should include, but is not limited to:
 - a. Sufficient data and reputable scientific literature demonstrating that the proposed product will sequester carbon for a minimum of 100 years.
 - b. Detail how the sequestered carbon will be incorporated into the product.
5. Applicants who are proposing to sell captured CO₂ to an Off-Taker for storage offsite, complete the following as applicable.
 - a. Has an Off-Taker been secured? List any agreements or partnerships in place.
 - b. How will the Off-Taker store the captured CO₂?
 - c. How will the CO₂ be transported to the Off-Taker?

Fugitive Emissions Reduction Technologies – Methane Capture

1. Briefly describe the methane capture project and indicate how much energy the methane capture technology will utilize.
2. Describe the site and its current condition, including how it's used, its size, age and operational status.
3. In cubic feet per year, list the estimated annual yield of methane to be collected.
4. State the estimated purity of the methane stream to be captured.
5. Describe how the residual (uncaptured) methane will be measured, monitored, reported and verified.

6. List what other gases are contained within the gas stream, and describe how these gases will be handled, stored, destroyed or re-released.
7. Explain how the system will detect and address leaks or blockages in the collection network.
8. List what additional infrastructure will be needed to support the methane capture and processing system.
9. Explain the end-use of the captured methane.
10. Applicants who are proposing to sell captured methane to an Off-Taker for storage offsite, complete the following as applicable.
 - a. Has an Off-Taker been secured? List any agreements or partnerships in place.
 - b. How will the Off-Taker utilize the captured CO₂?
 - c. How will the methane be transported to the Off-Taker?
11. Applicants proposing to utilize or destroy the capture methane should complete the following:
 - a. Describe the methane capture system and any auxiliary components or systems.
 - b. State the “primary canvass code” of the mine, as classified by Mine Safety and Health Administration (MHSa).
 - c. State the “commodity” of your mine as classified by MHSa.
 - d. Identify the source from which the proposed project will capture methane. Choose all that apply.
 - 1) Ventilation Air Methane (VAM) from ventilation systems.
 - 2) Methane from drainage systems used to supplement ventilation air.
 - 3) Pre-mining surface wells.
 - 4) In-mine boreholes and post-mining wells.
 - 5) Existing coalbed methane (CBM) wells at risk of being shut-in or abandoned due to mine encroachment.
 - 6) Reactivated abandoned wells.
 - 7) Abandoned wells converted to dewatering wells.
 - 8) Other.
12. Specify the location and type of each methane source.
 1. Briefly describe the methane destruction project and indicate how much energy the technology will utilize.
 2. Describe the specific type of methane destruction technology that will be used.
 3. Explain how the methane destruction device will be integrated/connected to the methane source.
 4. Describe the destruction efficiency of the proposed destruction system and describe how the destruction efficiency of the proposed system will be validated.
 5. State the monitoring equipment/processes that will be employed to measure the volumetric flow of methane before it is flared.

Methane Utilization

 1. Briefly describe the methane utilization project and state how much energy the technology will utilize.
 2. In detail, describe how the methane will be utilized within the operations.
 3. Explain what technology or equipment will be utilized at the project site.
 4. Describe the methane source(s) that will be utilized for the project.

5. Explain if there will be any specific modifications or upgrades required for existing infrastructure to accommodate the integration of methane at the site and how they will be addressed, if applicable.

As-a-Service Provider Questions

1. Describe the project's anticipated benefits for the facility.
2. Describe status and duration of contract/agreement with the facility and if there are options for renewal or extension.
3. Explain how the proposed project will address the current energy challenges and needs of the facility.
4. Explain how the payments for the project are structured. Will they be upfront, monthly, performance-based, etc.?
5. Describe how the RISE PA grant would reduce costs and enhance affordability for the proposed project.
6. Explain the pricing model. Is it a flat fee, per unit of energy saved, etc., and provide the rationale for this model.
7. Compare the proposed pricing to industry standards and similar situations in the market and explain how these determinations were made.
8. Explain the applicant's experience in implementing similar projects elsewhere for the same or other types of facilities.
9. List the performance metrics that will be implemented to measure the project's success.
10. Explain the specific responsibilities of each party involved in the project, including ongoing support, maintenance, reporting and operational duties.

C. Technical Appendix Tab

Technical Appendix – Baseline GHG Emissions Estimates

1. Report annual GHG emissions for each of the last three (3) calendar years. Include co-pollutants from the facility. Also include all Scope 1 and Scope 2 emissions, including mobile emission sources. The reports should accurately represent how the facility is operated, and should include the boundaries of the facility, defining a logical boundary for the entire facility such as permit or fence-line boundary, including adjacent property under common control.
2. Explain the three-year baseline period used to calculate the annual GHG emissions for question number 1, and how it accurately represents current and projected near future operational conditions at the project location. Discuss changes in operations, production levels or energy use since the three-year baseline period may affect the accuracy of the data in assessing the impact of the proposed project.
3. Provide a detailed explanation of how the three-year baseline emissions were derived. They should be calculated from Bureau of Air Quality (BAQ) certified continuous emissions monitoring system (CEMS) and/or collected from an approved source test. If source test cannot be performed, provide an explanation as to why the test couldn't be performed and provide a baseline emission estimate.

GHG Emissions Reductions Estimates

1. In the blank spaces, provide the estimated GHG emission reduction (in metric tons of CO₂ equivalent [MTCO_{2e}]) and the estimated annual GHG emission reduction percentage using an average of three years baseline emissions data for the calculation of these reductions. If applicable, provide the reduction per unit of production.
2. Provide the cumulative GHG emissions reduction for periods 2025-2030 and 2025-2050.

3. List/describe the specific methodology or tools used to develop GHG emission reduction estimates, including name of developer/provider of the tool and any other detailed references.
4. Provide key assumptions used as part of the method for estimating GHG emission reductions, such as emission rates, factors, input assumptions if modeling is used, such as cost and performance data, energy prices, etc.
5. Explain the reference scenario used to quantify GHG emission reductions for each measure, as applicable.
6. List any relevant activity data used to estimate GHG emission reductions for each measure.
7. Upload any additional important information, including quantitative tables, graphs, charts, and/or other data. Combine into single PDF before uploading.

D. Detailed Budget Information Tab

Detailed Budget Information – Budget Narrative

Download, complete and then upload the RISE PA Detailed Budget Table from the application, then answer the questions.

1. Provide a detailed breakout of requested funding for each work component or task. Provide a detailed description of every itemized budget item/cost, including how each item/cost relates to the specific emissions reduction activities.
2. Explain the project's projected return on investment.
3. List the weighted average cost of capital.
4. State the projected project payback period.
5. List the percentage of debt in the project capital stack.
6. State the cost effectiveness of GHG emissions reduction in the field provided. To calculate the cost effectiveness, divide the total project cost by the total GHG emissions reduced.
7. Provide a cash flow analysis of the project over the estimated period of performance, including equipment and process life expectancies, paycheck estimates and net present value.
8. Describe the amount of equity that will be invested in the project, including the sources of such equity and their strengths. List the percentage of anticipated equity from outside sources and describe any additional partnerships that will be leveraged to assist in financing the proposed project.
9. Provide any local, state or other federal incentives or funds that are being pursued or have been awarded for the proposed project, such as grants, loan guarantees, or tax credits and indicate which incentives have already been secured.
10. State if there is an intention to seek reimbursement for measuring, monitoring and verification (MMV) costs and the anticipated amount of reimbursement request.
11. If applying for Bonus Award(s), is the project still financially viable if the applicant is only awarded the Base Grant Amount.
12. Provide a detailed written description of the approach, procedures, and controls for ensuring the awarded grant funds will be expended in a timely and efficient manner within the grant period. Also include an expenditure plan for when the grant funds will be drawn down and reimbursement will be requested for eligible expenditures. Indicate what portions of the grant funds will be spent by quarters during the requested period of performance.

E. Financial Commitment Letters Tab

1. Submit letters documenting financial commitment for any cost share claimed, including clear documentation of the amount of financial commitment from each source (applicant and any other entity). The letters should also include:
 - a) Applicant acknowledges that the DEP does not consider the items listed in the ineligible cost section of this document as cost share funds nor as eligible costs for the use of this funding;
 - b) Applicant has funds available and in-hand to support the cost share identified in this application's budget either through an already approved loan or cash on hand; or
 - c) Applicant has a third-party agreement to support the cost share identified in this application's budget. A letter from that organization identifying the amount available must be provided.
 - d) Combine all financial commitment letters into a single PDF before uploading.

F. Bonus Awards Tab

Bonus Awards – Community Benefits Bonus Community Benefit Plans

1. Upload the Community Benefits Plan as a single PDF.

Fair Labor Bonus – Good Neighbor Agreement Application

1. Access to jobs and business opportunities for local residents.
 - a) Describe the plan for ensuring access to jobs and business for local residents. Include the timeline for implementing the plan.
 - b) Indicate which community and/or labor organizations the applicant will engage with and partner with to carry out the plan.
 - c) List the timeline for engaging with the identified community and/or labor organizations to implement the plan. Also state if any engagement has occurred to date.
 - d) Explain how the applicant will ensure access to jobs for local individuals who are underrepresented in the industry, or who face barriers to employment.
 - e) Specify the applicant's intention to support or partner with local businesses and the extent to which the applicant intends to support disability-owned business enterprises, LGBT business enterprises, minority business enterprises, veteran-owned business enterprises, and women-owned business enterprises.
 - f) Specify any other commitments being made for local hiring, retention, contracting, collaboration or workforce development.
2. Investment training in local workers:
 - a) Characterize the quality of jobs in both construction and ongoing operations.
 - b) Describe the types and level of investment to be provided for local workforce education and training.
 - c) Indicate any intended partnerships with state or Local Workforce Development Boards (LDWB) or American Job Centers. If so, state what the partnership(s) will entail.
 - d) Explain the methods by which worker rights will be supported, including a free and fair change to join a union, and how this commitment will be signaled to the workers.
 - e) Specify how workplace health and safety will be supported in the workplace, in both construction and ongoing operations.
 - f) Describe the plan or mechanism to address and track worker retention.
3. Commitment to pay wages and benefits above the prevailing wage rates for construction.
 - a) Applicant will commit to paying competitive wage and benefit rates benchmarked against local Davis Bacon Act prevailing wages. In the provided spaces fill in the % above posted prevailing wage per hour for base wages, health insurance amounts, retirement contribution amounts, and paid time off (PTO) benefits.

4. Commitments to pay above-average wages and benefits for hourly (non-construction) workers.
 - a) Applicant will provide above-average wages and benefits, benchmarked to occupation and industry reported by the Bureau of Labor Statistics.
 - i. Provide the minimum starting wage for production workers per hour compared to the [75th or 90th] percentile for the industry in the spaces provided.
 - ii. In the spaces provided, indicate the minimum value of benefits offered to hourly workers for health insurance, retirement contributions, PTO, paid sick or family leave, childcare or other caregiving financial assistance, transportation assistance, education/tuition reimbursement or financial contribution, and any other benefits provided.
5. Letters of support from participating stakeholders must be provided. Combine all letters into one single PDF before uploading.

Collective Bargaining Commitment Application

1. Commitment to negotiate a project labor agreement (PLA) for construction activity. Although each PLA should be tailored to suit the needs of the particular project, the Applicant must provide a detailed description of what they will include in the following required five articles, as outlined in the [North American Building Trades Unions Model PLA](#):
 - a)
 - i. Clearly defined scope – Article II
 - ii. Dispute & grievance resolution procedures – Article VI
 - iii. Resolution of jurisdictional disputes – Article VII
 - iv. Subcontracting language – Article VII
 - v. Helmets to Hardhats language – Article IX
 - b) Describe what will be included in any other articles that the Applicant will incorporate into the PLA. For example, RISE PA encourages Applicants to incorporate diverse local hire provisions (also called “Economic Opportunity Plans” and “Community Workforce Agreements) as part of the PLA.
 - c) Explain what assurances will be put into place to enable workers to have a free and fair right to workplace organizing and union representation without retaliation.
 - d) Detail what labor unions the Applicant has engaged in planning the construction activity related to the industrial decarbonization project, including any engagement with unions that represent employees of the Applicant or with unions that represent employees of contractors and subcontractors that are part of the proposal or might be part of the project if funded.
 - e) Explain any previous work with labor unions. If no engagement has occurred to date, describe plans, if any, for future labor engagements before project initiation and during the project.
 - f) Detail plans to ensure success and continuity by mitigating labor disputes or strikes.
2. Pledge to remain neutral during any union organizing campaigns:
 - a) Explain how neutrality will be maintained in the event of a union organizing campaign that takes place during the period of performance.
3. Intention or willingness to permit union recognition through card check (as opposed to requiring union elections):
 - a) Outline the process that will allow union recognition through card check.

4. Intention to enter into binding arbitration to settle first contracts:
 - a) Describe the procedure by which the applicant would enter into binding arbitration to settle first contracts.
5. Pledge to allow union organizers access to appropriate onsite nonwork spaces:
 - a) Indicate how the applicant will ensure union organizers have access to appropriate onsite nonwork spaces.
6. Pledge to refrain from holding captive audience meetings:
 - a) Describe how the applicant will ensure that no captive audience meetings are held.

Commonwealth Workforce Transformation Program (CWTP) Letter of Intent

1. Applicants must submit a Letter of Intent stating that if awarded, the Applicant agrees to participate in the CWTP and adhere to the ongoing reporting requirements. See *CWTP Ongoing Reporting Requirements* section of the Program Guidance for a list of the reporting requirements. The Applicant should include the number of CWTP Trainees they intend to hire and list all the reporting requirements in the body of the letter. The Letter of Intent should be uploaded as a single PDF.

Greenhouse Gas Emissions Reduction Bonus

1. Select the GHG Emissions Reduction Percentage range for the project.
2. In the spaces provided, calculate the Greenhouse Gas Emissions Reduction Bonus award amount.

G. Additional Information Tab

Additional Information

1. Select all that apply – How did you hear about RISE PA?
2. Provide additional information deemed necessary to understand/consider for the proposed project.
3. Provide feedback or comments on the application process.

Signed Consent Form Upload

4. Signed consent must be included from the property owner and the operator of the industrial facility where the project will occur demonstrating approval for the project implementation. Applicants who are non-owners or operators of the facility will also be required to submit a copy of the service contract entered into with the owner or operator of the facility.

Trade Secret/Confidential Proprietary Information Notice

5. Upload a notice if any portion of the application contains confidential business information (CBI). Applicants are required to identify specific portions of the application that contain CBI along with justification. **Note:** Once a document is submitted through the ESA System, it cannot be renamed, edited, or deleted. All uploads will be visible internally to DEP, with entities outside of DEP being unable to view.

Click “Continue”

11. Certification and Submission

- If there is any missing information in your application, your screen will look similar to the following example.
- Under the orange “Application Certification” heading, it will state, “The following sections are incomplete. All required fields marked with a red diamond must be completed before you are able to submit this application”.
- To add/correct the information on your application, click on the section heading to return to the page.

Application Certification

The following sections are incomplete.

- All required fields marked with a red diamond (◆) must be completed before you are able to submit this application.
- All conditional fields marked with a blue diamond (◆) may be required to be completed before you are able to submit this application.

Applicant

- UEI is Required.
- Contact Name is required.

Project Site Location(s)

- Please verify the Zip Code. It should be XXXXX-XXXX format.
- Project Site 1: PA House District is required.

Program Budget

- Funding Source "Match (Private)" must have a Grand Total greater than zero.

Basis of Cost

- Cost Basis is required.
- Budget Narrative is required.

Addenda

Supplemental Application

- Prj_Type_Yrs_2 is required.
- Prj_Type_Yrs_3 is required.
- Prj_Type_Yrs_4 is required.
- Prj_Type_Yrs_6 is required.
- Prj_Type_Yrs_8 is required.
- List Electric Utility Serving Location is required.
- List Gas Utility Serving Location is required.

Technical Appendix

- RISE Techn Appendix Q3 is required.
- RISE Techn Appendix GHG Emissions Q6 is required.

Detailed Budget Information

- RISE Detailed Budget Narrative Q2 is required.

Your application is automatically saved as you work. Feel free to exit this application and return at a later time.

12. Complete the following fields:

- Indicate certification of application information by checking the related checkbox under the Electronic Signature Agreement.
- Indicate identity as one of the following:
 - I am the applicant.
 - I am an authorized representative of the company, organization or local government.
 - I am a “Certified” Partner representative.
- Type your name in the “Type Name Here” block. This will serve as your official e-signature and authorizes your application.
- Check the “Electronic Attachment Agreement” box.
- Click on “Submit Application.”

Application Certification

All of the required sections of the web application have been completed. If you have reviewed the application, you may submit it for processing. **After submitting, you will no longer be able to make changes.**

Electronic Signature Agreement:

By checking this box and typing your name in the below textbox, I hereby certify that all information contained in the single application and supporting materials submitted via the Internet and its attachments are true and correct and accurately represent the status and economic condition of the Applicant, and I also certify that, if applying on behalf of the applicant, I have verified with an authorized representative of the Applicant that such information is true and correct and accurately represents the status and economic condition of the Applicant. I also understand that if I knowingly make a false statement or overvalue a security to obtain a grant and/or loan from the Commonwealth of Pennsylvania, I may be subject to criminal prosecution in accordance with 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities) and 31 U.S.C. §§ 3729 and 3802 (relating to false claims and statements).

- I am the applicant.
- I am an authorized representative of the company, organization or local government.
- I am a “Certified” Partner representative.

Type Name Here:

Electronic Attachment Agreement:

Along with the web application, if you have been requested or need to send any documentation to DEP please print and send a copy of your E-Signature and mail it to DEP along with any paper supporting documents. You will be given an opportunity to print the signature page along with a copy of the application immediately after you submit.

SUBMIT APPLICATION

13. Application Receipt Verification

- If you want a copy of your application, click the “Print Entire Applications with Signature Page” link. You will always be able to access your application with the username and password you created at the beginning of the application.
- Make sure to note the Single Application ID#. All future correspondence from the Department will reference this number.
- **You do not need to send the signature page and/or any further documentation to the Grants Center.** All the information needed is contained in your online submission.

Application Certification

Single Application ID #: 202408016049

The web application has been successfully submitted for processing.

I hereby certify that all information contained in the single application and supporting materials submitted via the Internet, Single Application # 202408016049 and its attachments are true and correct and accurately represent the status and economic condition of the Applicant, and I also certify that, if applying on behalf of the applicant, I have verified with an authorized representative of the Applicant that such information is true and correct and accurately represents the status and economic condition of the Applicant. I also understand that if I knowingly make a false statement or overvalue a security to obtain a grant and/or loan from the Commonwealth of Pennsylvania, I may be subject to criminal prosecution in accordance with 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities) and 31 U.S.C. §§ 3729 and 3802 (relating to false claims and statements).

The signature page may also be printed now. You may also print submitted applications from the Home page. Click the link labeled “Submitted Applications” in the top toolbar.

[Print Signature Page only](#)

[Print Entire Application with Signature Page](#)

- **Congratulations!** You have completed the online application.