RISE PA Medium- and Large-Scale Award Track Narrative Proposal Questions

(For more information or to request assistance with a RISE PA application, email risepa@keystoneresearch.org.)

Introduction

PA's new $396 million RISE PA program—Reducing Industrial Sector Emissions PA—offers companies a 30% to 60% subsidy for small, medium, and large "industrial decarbonization" projects. It will pay for: electrification, energy efficiency, industrial process emissions reductions, fugitive emissions reductions, fuel switching, on-site renewable energy; carbon capture, utilization, and storage (CCUS); and other steps to reduce greenhouse gas emissions.

The online application for the RISE PA Medium- and Large-Scale Award Tracks (MAT and LAT) and the instructions for the online application (the "RISE PA | Electronic Single Application Step-by-Step Guide (PDF)") may intimidate some companies, especially smaller firm. (The online application is accessible at https://grants.pa.gov/Login.aspx and the Step-by-Step guide is downloadable from https://www.pa.gov/agencies/dep/programs-and-services/energy-programs-office/rise-pa.html.)

We stripped out from the online application form a complete set of the non-budgetary questions that must be answered as part of a RISE PA narrative proposal because we think this clean set of questions might be less intimidating than the online application form. We also precede the complete set of questions with a two-page summary. This document and the summary as a stand-alone two-pager are both available online at https://keystoneresearch.org/rise-pa-keystone-research-and-reimagine-appalachia/.

You'll still need to upload a narrative proposal that you develop offline. And you'll still need to provide budgetary information and complete the forms that are part of the online application.
Our goal in this summary is to communicate that your company can complete the RISE PA online application. If you've already decided to apply to RISE PA, our goal is to make completing that application a little easier.

Summary: Narrative Proposal Questions

Project Overview: 21 short questions to specify the industrial decarbonization technology(ies) your project will deploy, and the expected Green House Gas (GHG) and co-pollutant emissions reductions.

Company Overview: 2 questions about your company's industrial or manufacturing capabilities and whether the project will alter the capacity or output of your facility.

Project Scope: 6 questions including project plan description, equipment that will reduce GHG emissions, a monitoring, measuring and verification (MMV) plan.

Project Team

Permitting

Project Benefits and Impact, including community outputs, outcomes, and performance measures, how the project will enhance workforce and job quality, environmental benefits, and any negative effects. This response must also confirm how Applicants will meet the 15% RISE PA apprenticeship requirements.

Project Innovation/Transformative Impact: how is the project innovative and might it transform the sector/subsector or create additional GHG emissions; what is it's replicability potential; what is the "technology readiness" of the technology to be installed.

Stakeholder Engagement (see stakeholder list in community benefits bonus below).

Project-specific questions related to energy efficiency, electrification, on-site renewable energy, including tables with estimates of GHG reductions (leave blank any that do not apply)

Technical Appendix: methodology for GHG reductions estimates.

Community Benefits Bonus: up to 10% above base 30% bonus

- socio-economic and demographic overview of the community;
- community engagement (local governments, unions, environmental groups, community-based organizations (CBOs), educational institutions, industry associations, renewable energy associations, suppliers and vendors; public utilities)
- increased quality of life, community health, and environmental benefits,
- benefits for underrepresented businesses, CBOs, & via diverse local educ. & training pipelines
- benefits for low-income disadvantaged communities (energy costs, environmental burdens, job opportunities, clean energy business opportunities, increases in enviro/energy resilience).

Fair Labor Bonus (up to 10% above base 30% bonus) includes 3 pieces: "Good Neighbor Agreement," "Collective Bargaining Commitment," "Commonwealth Workforce Transformation Program." 2 of 3 required for Medium-Scale Awards; 3 of 3 for Large-Scale.

- *Good Neighbor Agreement*: access to jobs and business opportunities for local residents; investment in training for local workers; commitments to pay above prevailing wages and benefits for construction workers and above average wages and benefits for non-construction workers; stakeholder letters of support
- *Collective Bargaining Commitment*: Commitment to negotiate a PLA for construction activity & other construction commitments; pledge to remain neutral during an organizing drive; permit union recognition through card check; binding arbitration for first contracts; allow union organizers access to onsite nonwork spaces; refrain from captive audience meetings.
- *Commonwealth Workforce Transformation Program* letter of intent and specify number of CWTP trainees.

Greenhouse Gas Emissions Reduction Bonus: up to 10% additional bonus for projects that reduce GHG emissions by 21% to 41% or more).

Complete Set of Non-Budgetary Questions in the RISE PA MAT/LAT Narrative Application Form (also called the "Supplemental Application")

Instructions: All Applicants must complete the following sections of the Supplemental Application: Company Overview, Project Scope, Project Team, Permitting, Project Benefits and Impact, and Project Innovation/Transformative Impact.

Project Overview

1. Indicate the selected Award Track (select one):
   a. ü Medium-scale Award Track
   b. Large-scale Award Track

2. List the total project cost:

3. Indicate the amount of funding being requested from RISE PA. Provide the funding request in dollars and as a percentage of total eligible project costs:
   a.
   b.

4. Select the bonus awards that apply to the RISE PA funding request if applicable:
   a. üCommunity Benefits Bonus
   b. üFair Labor Bonus
   c. üGreenhouse Gas Emissions Reduction Bonus

5. Select the project type(s) that describe the RISE PA funding request. Select all that apply:
   a. üEnergy efficiency
   b. üElectrification
   c. üIndustrial process emissions reduction
   d. üFuel-switching
   e. üOn-site renewable energy
   f. Carbon capture, utilization, and storage
   g. Fugitive emissions reduction technology
   h. Other
   i. If "Other", describe the proposed project:

6. Scope 1 and Scope 2 GHG reduction summary (See *Definitions* section of the Program Guidance for Scope 1 and Scope 2 definitions):

7. For each selected project type, list the lifespan [in number of years] for the emissions reduction technology:
   a. Energy efficiency ___ years
   b. Electrification ___ years
   c. Industrial process emissions reduction _____ years
   d. Fuel-switching _____ years
   e. On-site renewable energy ___ years
   f. Carbon capture, utilization, and storage _____ years
   g. Fugitive emissions reduction technology _____ years
   h. Other _____ years

8. State the estimated total co-pollutant emissions reduced [in metric tons per year] for the whole facility (facilities). Only list values for pollutants for which there is an anticipated reduction in emissions:

Criteria Air Pollutants

Pollutant	**Current Emissions (MT/year)**	**Anticipated Reduction in Emissions (MT/year)**
Ozone		
Particulate Matter		
Carbon Monoxide		
Lead		
Sulfur Dioxide		
Nitrogen Dioxide		
Volatile Organic Compounds		

Hazardous Air Pollutants

Pollutant	**Current Emissions (MT/year)**	**Anticipated Reduction in Emissions (MT/year)**
Hydrogen sulfide		
Benzene		
Toluene		
Ethylbenzene		
Xylene		
Hexane		
Ethane		
Pentane		
Formaldehyde		
Butane		
Dichlorobenzene		
Propane		

9. List the change in energy use (if applicable):

Energy Source	**Units**	**Consumption Prior to Project Implementation**	**Consumption After Project Implementation**	**Difference**

10. Indicate how many months after the grant agreement is executed the project will break ground: ____ months
11. List the proposed/estimated date when the project will be fully commissioned:

12. List the project duration in months:

13. List the electric utility serving the project location:

14. List the gas utility serving the project location:

15. Indicate whether the Applicant has completed an energy audit:

    a. If "yes", list the date of the audit:

16. Indicate whether the Applicant has applied to DEP for an Industrial Energy Assessment: [Yes/No]

    a. If "yes", indicate whether the Industrial Energy Assessment has been completed: [Yes/No]

17. Indicate whether the Industrial Facility location, where the project will occur, is currently subject to any state or federal law, regulation, or legally binding mandate regarding energy consumption and/or air pollutant emissions amounts? [Yes/No]

    a. If "yes", describe each state or federal law, regulation, or legally binding mandate:

18. Indicate if the project is located in a EPA IRA Disadvantaged Community. Click the link and enter the Industrial Facility's address into the mapping tool to determine whether the project is located in a Disadvantaged Community.

19. Indicate whether the Applicant has any outstanding obligations to the Commonwealth, for example....: [Yes/No]

20. Indicate whether the Applicant has any unresolved compliance issues with DEP: [Yes/No]

21. Indicate whether the Applicant identifies as any of the following underrepresented businesses. Select all that apply. Note: The Applicant's response to this question is optional and voluntary. This information will not have any bearing on the application scoring and evaluation.
    a. Disability-Owned Business Enterprise
    b. LGBT Business Enterprise
    c. Minority Business Enterprise
    d. Service-Disabled Veteran-Owned Small Business Enterprise
    e. Veteran-Owned Small Business Enterprise
    f. Woman Business Enterprise

Company Overview

1. Describe your company and existing industrial or manufacturing capabilities, including the operations and processes at the facility where the proposed project is planned for implementation. Include a detailed description of the equipment and processes employed at the facility.

2. Describe the products currently produced at the facility and average annual output in appropriate units (e.g., tons of steel). Explain 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

1. Provide a detailed project plan, including the specific work tasks to be completed, the implementation timeline with key phases and milestones along with estimated dates for completion, the technological scope of the project, and any potential inflection points (go/no-go decisions) where project completion may be reconsidered. Project milestones should include the project start date, design phase, equipment purchase, construction, installation, commissioning, measuring monitoring and verification (both before project work commences and after project completion), and any other relevant milestones.

2. Describe the equipment used to facilitate the GHG emissions reductions, and the extent to which best-in-class technologies will be deployed. Where multiple emissions-reducing technologies are deployed, describe each.

3. Provide a measuring, monitoring, and verification (MMV) plan that includes a description of the MMV protocol that will be employed to establish the GHG and co-pollutant emissions baselines before project work commences and verify the actual energy savings and emissions reduced after project completion. Include a description of the data the Applicant plans to collect and track.

4. Indicate whether the proposed equipment is required to be installed by a current local, state, or federal regulation or building standard and when the installation is required. If the project location or facility is currently subject to state or federal law(s), regulation(s), or legally binding mandate(s) regarding energy consumption and/or air pollutant emissions limits. Explain how all resulting air pollutant and/or energy reduction benefits are in excess of existing reduction or efficiency requirements, or that the reductions will occur at least one year before the requirements mandate.

5. Identify project risks or challenges, including legal, financial, engineering, procurement, supply chain, and construction risks, that may delay, interrupt, or prevent the implementation of the proposed project should it be awarded. Describe the proactive steps and risk mitigation strategies the Applicant has and/or will take to reduce and manage such risks.

6. Disclose whether there currently is or potentially could be any appearance of or actual conflicts of interest in connection to the Commonwealth, DEP, EPA, or the RISE PA and CPRG programs.

Project Team

1. List key management and senior personnel for the project, including the names, positions or titles, unique qualifications and expertise that will lead to a successful project, and relevant experience, including administrative and technical capacity and successful management of other project(s) of similar size and scope.

2. Describe the unique capabilities and expertise of the applying organization and any major project partner organizations, including debt or equity sponsors, contractors/vendors (if known), and any other counterparty that the applicant believes will enable the project to be successful, as well as the prior experience of the applicant and any major project partners in similar undertakings to the proposed project.

3. Indicate whether the Applicant has been awarded any other state or federal grants, the amount of the grant, and whether the grant work was successfully completed. Enter "N/A" if not applicable.

4. Upload the resumes or CVs for the key management and senior personnel listed above. Combine all resumes/CVs into a single PDF before uploading.
[Resume/CV Upload Field]

Permitting

1. Provide a complete list of all federal, state, and local permits, including environmental authorizations (if applicable) or reviews necessary to commence construction of the project. State whether all the necessary permits have been secured. For permits that have not yet been secured, list by what date they will be obtained.

2. State whether the proposed project requires any notifications, compliance with land use plans, zoning codes, permits, utility authorizations, or other approvals. Specify the notifications, permits, or authorizations needed, including any governmental or utility requirements. Additionally, outline the steps taken or planned to ensure compliance, including where the project currently stands in the permitting or authorization process.

3. If selected for funding, does the project have the necessary permits that will allow it to break ground/commence installation immediately following the execution of the grant agreement? [Yes/No]

    a. If no, explain what else is needed prior to implementation:

Project Benefits and Impact

1. Describe the project's expected community outputs, outcomes, and performance measures. Specify any benefits that will flow to Low-Income and Disadvantaged Communities (LIDACs) as defined by the EPA IRA Disadvantaged Communities map and identify the applicable LIDACs. This section should include any measurable community benefits expected, expected economic benefits and avoided disbenefits, extent of meaningful community engagement, and specific, high-quality actions to support LIDACs. Include an estimate of the proportion of total benefits occurring in each identified community. In addition to GHG emission reductions, examples of priority benefits include reductions in co-pollutants, creation of high-quality jobs and workforce development opportunities, increased public awareness and community capacity building, improved access to services and amenities, decreased energy costs and improved energy security, and reduced noise pollution.

2. Describe 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. Characterize and estimate the number of Full Time Equivalent jobs the project will create, including the total number of new jobs created, number of new construction jobs created, and number of new operations jobs created. This response must also confirm how Applicants will meet the apprenticeship

requirements. See *General Eligibility* section of the Program Guidance for a description of what training would fulfill this requirement.

3. Describe any other environmental benefits that will result from the project implementation.

4. Describe any potential negative impacts, direct, indirect, or cumulative, related to the implementation of this project, whether they be economic, social, health, or environmental. Clearly identify all such impacts, addressing each economic, social, health, and environmental impact separately. Outline any mitigation strategies that have been developed for each impact.

5. Describe how the proposed project aligns with any of the Applicant's existing sustainability/decarbonization initiatives.

Project Innovation/Transformative Impact

1. Describe how the project or aspects of the project are innovative and how the project could be transformative for the sector/subsector as a whole or for the specific production process being undertaken by the applicant.

2. 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. Transformative impacts could include: Pioneering, replicable, and scalable projects to increase the deployment of existing GHG emission reduction technologies or mitigation approaches; GHG emission reductions from hard-to-abate subsectors where GHG emission reduction measures are not widely adopted; or, Market transformations that accelerate the deployment and market adoption of emerging GHG emission reduction technologies or practices.

3. Describe how this project has the potential for replicability and what steps the Applicant will take to stimulate industrial interest and potential adoption through its implementation.

4. Describe the Technology Readiness Level of the technology to be installed. Describe the technology's performance in a relevant environment and potential risks associated with implementing a full-scale demonstration in an operational environment.

Stakeholder Engagement

1. Provide a comprehensive list of stakeholders that the project plans to engage from local governments, labor unions, environmental groups, and community-based organizations. Describe current and planned efforts to engage with listed stakeholders and the extent of the engagement that will be conducted, including as it relates to the ability to complete the project in the shortest time and with adequate workforce.

2. Provide a qualitative discussion of how input by LIDACs has been incorporated into this application and how meaningful engagement with LIDACs will be continuously included in the implementation of the project throughout its lifetime.

Project-specific Questions

Instructions: Complete all relevant sections based on the applicable project type(s) (Energy efficiency, Electrification, Fuel-switching, On-site renewable energy, Carbon capture, utilization, and storage,

Industrial process emissions reductions, Fugitive emissions reductions). Leave blank any section that does not apply to the project.

Energy Efficiency

1. Provide a brief summary of the proposed energy efficiency project. If fully described in the narrative section, simply provide 1-2 sentences to refresh the reviewer's memory.

2. GHG Calculation Summary (Electricity)

Fuel/Source	Electricity
Before Project Implementation (kWh/year)	— —
After Project Implementation (kWh/year)	_____
Difference (+/-) (kWh/year)	_____
Conversion Factor (CO_2e/kWh)	_____
Difference (+/-) (CO_2e/year)	_____
Improvement (%)	_____

3. GHG Calculation Summary (Fuels)

Fuel/Source	Natural Gas	Other Fuel: _____	Other Fuel: _____
Before Project Implementation (MMBtu/year)			
After Project Implementation (MMBtu/year)			
Difference (+/-) (MMBtu/year)			
Conversion Factor (MT CO_2e/MMBtu			
Difference (+/-) (MT CO_2e/year)			
Improvement (%)			

Electrification

1. Provide a brief summary of the proposed electrification project. Include any related process energy efficiency improvements that will be undertaken in conjunction with the strategic electrification.

2. Will the proposed project(s) require electrical system upgrades at the facility?

3. Is funding for the installation of a renewable energy system sought to aid in strategic electrification project adoption?

4. State whether RISE PA funding is also being sought for renewable energy:

    a. If "yes", describe the role of the renewable energy system in facilitating the electrification project, and indicate whether the renewable energy system is integral to meeting energy demands or achieving emissions reduction goals:

5. If the strategic electrification project will result in an increase in electricity demand, will a utility service upgrade be needed?

6. Will this electrification project allow for load shifting or demand response?

    a. If "yes", describe how load shifting will be implemented and indicate the estimated amount of load that can be shifted.

7. Will the project enable the facility to become fully electric?

8. GHG Calculation Summary

Fuel Use Before Project Implementation (MMBtu/year)	
Fuel Use After Project Implementation (MMBtu/year)	
Difference in Fuel Consumption (+/-) (MMBtu/year)	
Conversion Factor (MT CO_{2e}/MMBtu)	
Difference in GHG Due to Change in Fuel Use (+/-) (MT CO_{2e}/year)	
Electricity Use Before Project Implementation (MWh/year)	
Electricity Use After Project Implementation (MWh/year)	
Difference in Electricity Consumption (+/-) (MWh/year)	
Conversion Factor (MT CO_{2e}/MWh)	
Difference in GHG Due to Change in Electricity Use (+/-) (MT CO_{2e}/year)	
Net Difference in GHG (+/-) (MT CO_{2e}/year)	
Improvement (%)	

On-site Renewable Energy

1. Describe the type of renewable energy system that will be deployed:

2. State the capacity of the renewable energy system. (For PV systems, give both the DC and AC capacity): ____ MW-AC _____ MW-DC

3. Is it anticipated that the renewable energy system will send any energy to the grid (i.e. exceed consumption on an instantaneous basis? [Yes/no]

    a. If "yes", state how much renewable energy will be exported to the grid: _____ MWh

    b. If "yes", describe the arrangement under which the applicant is compensated for such exported electricity.

4. State the percentage of the Industrial Facility's annual electricity consumption that will be met by the renewable energy source post-project installation on a net basis: ___67___ %

5. Will battery energy storage be included? [Yes/No]

    a. If "yes", describe how the battery energy storage will contribute to GHG emissions reductions.

    b. If "yes", indicate the battery energy storage system's capacity: _____ MWh

    c. If "yes", provide a justification for the amount of storage required.

6. GHG Calculation Summary

Anticipated System Energy Production (MWh/year)	
System Energy Used On-Site + System Energy Exported to Grid (MWh/year)	
Conversion Factor (MT CO_2e/MWh)	
Difference in GHG (+/-) (MT CO_2e/year)	

Technical Appendix

Instructions: Applicants must complete the following technical appendix section and detail how their estimates of GHG emissions reductions were calculated. Applicants are encouraged to include sufficient detail so that DEP can understand the basis for the greenhouse gas (GHG) emission reductions estimated. Applicants should use the latest available information whenever possible and provide detailed and specific references for any models and/or tools used.

Baseline GHG Emissions Estimates

1. Report annual GHG emissions for each of the last three calendar years including related co-pollutants from the Industrial Facility. This should include all Scope 1 and Scope 2 emissions, Reported emissions must accurately represent how the facility is currently operated. Describe the boundaries of

the Industrial Facility, defining a logical boundary for the entire facility such as a permit or fence line boundary that includes adjacent property under common control.

2. Explain to what extent the three-year baseline period used to calculate the annual GHG emissions for Number 1 accurately represents current and projected near-future operational conditions at the project location. Discuss any significant changes in operations, production levels, or energy use since the three-year baseline period that may affect the accuracy of the baseline data in assessing the impact of the proposed project.

3. Provide a detailed explanation of how the three-year baseline emissions were derived. Emissions should be calculated from a Bureau of Air Quality (BAQ) certified continuous emissions monitoring system (CEMS) and/or collected from an approved source test. If unable to perform a source test, Applicants should provide an explanation why the source test is unable to be performed and develop a baseline emission estimate. Baseline emission estimates must be supported by sufficient calculations and explanation for RISE PA to determine the accuracy and uncertainty of the estimate. Reported emissions must accurately represent how the facility is currently operated.

GHG Emissions Reduction Estimates

1. Provide the estimated annual GHG emission reduction (in metric tons of CO_2 equivalent [$MTCO_2e$]) and the estimated annual GHG emission reduction percentage. Use an average of the three years of baseline emissions data provided as the baseline for calculating these reductions. If applicable, provide the reduction per unit of production, which measures how many MT CO_2e will be reduced per output unit (e.g. tons of steel produced) compared to the current process.
   a. MT CO_2e
   b. MT CO_2e / output unit [millions of pounds of product]

2. Provide the cumulative GHG emissions reductions for the periods 2025-2030 and 2025-2050.
   a. _____MT CO_2e 2025-2030
   b. _____ MT CO_2e 2025-2050

3. List or describe the specific methodology or tools used to develop the GHG emission reduction estimate; the name of the developer/provider of the model/tool (e.g., EPA); and, any other detailed references (e.g., specific versions of the model or tool), as appropriate.

4. Provide key assumptions used as part of the method for estimating GHG emission reductions (e.g., emission rates; emission factors; input assumptions if modeling is used, such as cost and performance data, energy prices).

5. Describe the reference scenario that is used to quantify GHG emission reductions for each measure, as applicable. The type of reference scenario may differ depending upon the type of project.

6. Describe the relevant activity data that is used for estimating GHG emission reductions for each measure. This may include data such as energy savings (e.g., MMBtu by fuel or MWh saved), electrical output (e.g., MWh), units of equipment installed, or other metrics used to calculate effects of a GHG reduction measure.

7. Upload any additional important information, including quantitative tables, graphs, charts, and/or other data. Combine any additional information into a single PDF before uploading.

Bonus Awards

Instructions: For Applicants pursuing the Community Benefits Bonus, Fair Labor Bonus, and/or Greenhouse Gas Emissions Reduction Bonus, complete the following applicable sections. Applicants not pursuing any bonus awards may leave this section blank.

Community Benefits Bonus Community Benefits Plan:

Instructions: Upload the Community Benefits Plan as a single PDF.

Fair Labor Bonus

Instructions: Applicants applying to the Medium-scale Award Track must complete **two** of the three application elements (Good Neighbor Agreement, Collective Bargaining Commitment, or Commonwealth Workforce Transformation Program [CWTP]) detailed below. Applicants applying to the Large-scale Award Track must complete **all three** application elements detailed below (Good Neighbor Agreement, Collective Bargaining Commitment, and CWTP).

Good Neighbor Agreement Application

1. Access to jobs and business opportunities for local residents:

    a. Describe the Applicant's plan for ensuring access to jobs and business opportunities for local residents and the timeline for implementing the plan.

    b. What community and/or labor organizations will the Applicant engage and partner with to carry out the plan?

    c. What is the timeline for engaging with the identified community and/or labor organizations to implement the plan, and has any engagement occurred to date?

    d. How will the Applicant ensure access to jobs for local individuals who are underrepresented in the industry or are facing barriers to employment, such as women, those with disabilities, residents of disadvantaged communities, and returning citizens?

    e. Specify what actions the Applicant will take 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 the Applicant will make for local hiring, retention, contracting, collaboration, or workforce development.

2. Investment in training for local workers:

    a. Characterize the quality of the jobs that will be offered in both construction and ongoing operations.

    b. Describe the types and level of investment the Applicant will provide for local workforce education and training.

c. Indicate whether the Applicant will partner with any state or local Workforce Development Boards or American Job Centers. If so, state what will the partnership(s) entail.

d. Describe the methods by which the Applicant will support workers' rights, including a free and fair chance to join a union, and how the Applicant will signal this commitment to workers' rights 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 Applicant's plan or mechanism to address and track worker retention.

3. Commitment to pay wages and benefits above the prevailing wage rates for construction:

   a. The Applicant will commit to paying competitive wage and benefit rates benchmarked against local Davis-Bacon Act prevailing wages as follows:

      i. %____above posted prevailing wage per hour for base wages
      ii. Health insurance: $_____ per __ _
      iii. Retirement contributions: $_____ per _ __
      iv. Paid Time Off: ____hrs per _____

4. Commitments to pay above average wages and benefits for hourly (non-construction) workers:

   a. The Applicant will provide above-average wages and benefits, benchmarked to occupation and industry reported by the Bureau of Labor Statistics:

      i. The minimum starting wage for production workers is $____ per hour compared to the [__]percentile of $____per hour for the [__] industry.
      ii. The minimum value of the following benefits offered to hourly workers is
         1. Health insurance: $_____ per ____
         2. Retirement contributions: $_____ per _ __
         3. PTO: ____hours per ___ __
         4. Paid sick or family leave: __ ___ days per __ ___
         5. Childcare or other caregiving financial assistance: $_____per worker or provision of on/near-site care
         6. Transportation assistance: $ _____per worker
         7. Education/tuition reimbursement or financial contribution: $_____
         8. Other: $_____per worker

5. The Applicant must include letters of support from participating stakeholders. Combine all letters of support into a single PDF before uploading.

Collective Bargaining Commitment Application:

1. Commitment to negotiate a 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:

   i. Clearly defined scope/Article II

ii. Dispute and grievance resolution procedures/Article VI
iii. Resolution of jurisdictional disputes/Article VII
iv. Subcontracting language/Article VIII
v. Helmets to Hardhats language/Article IX

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.

b. What assurances does the Applicant have or will the Applicant put in place to enable workers to have a free and fair right to workplace organizing and union representation without retaliation?

c. What labor unions has the Applicant 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?

As outlined in the stakeholder engagement section, we will interact with the following unions on various aspects of our overall project and production:

d. Has the Applicant worked with labor unions in the past? If no engagement has occurred to date, please explain briefly and describe plans, if any, for future labor engagement before project initiation and during the project.

e. What are the applicant's plans to ensure project success and continuity by mitigating labor disputes or strikes (e.g., labor peace agreements; good faith negotiations)?

2. Pledge to remain neutral during any union organizing campaigns:
   a. In the event that a union organizing campaign occurs during project period of performance, how will the Applicant ensure that they maintain neutrality?

3. Intention or willingness to permit union recognition through card check (as opposed to requiring union elections):
   a. What is the process by which the Applicant 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 (e.g., lunchrooms):

   a. How will the Applicant ensure that 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?

CWTP Letter of Intent

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:

Instructions: Indicate the GHG Emissions Reduction Range that the proposed project will achieve and calculate the anticipated Greenhouse Gas Emissions Reduction Bonus award size. Calculated GHG emission reduction percentages will not be rounded up (i.e., a GHG emission reduction of 34.6% will be considered 34%).

1. Select the anticipated GHG Emissions Reduction Percentage Range for the proposed project:

    a. 21-24%
    b. 25-29%
    c. 30-34%
    d. 35-40%
    e. 41%+

2. Calculate the Greenhouse Gas Emissions Reduction Bonus award amount by multiplying the Total Project Cost (TPC) by the applicable percentage:

    a. 21-24% = 2% of TPC = $ ____
    b. 25-29% = 4% of TPC = $ ____
    c. 30-34% = 6% of TPC = $ ____
    d. 35-40% = 8% of TPC = $ ____
    e. 41%+ = 10% of TPC = $ ____