

ADDENDUM #2 Office of Sustainability, Climate Action & Resilience Climate Innovation Fund RFQ # 7339-22

April 26, 2022

The attached addendum supersedes the original Information and Specifications regarding RFQ # 7339-22 where it adds to, deletes from, clarifies or otherwise modifies. All other conditions and any previous addendums shall remain unchanged.

Please note: Due to COVID-19, BIDS will only be accepted electronically by emailing purchasing@bouldercounty.org.

 Question: I am curious where we might find the RFP Questionnaire, Carbon Sequestration Template, and Sustainability Questionnaire. The RFQ states they are attached or linked in the appendix, but I do not seem to have either attachments or appendices.

ANSWER: The documents were accidentally left out of the RFQ. The RFQ and RFP Questionnaire & Project Narrative Guidance are attached at the end of this document. The CO2 Sequestration calculation template is the excel sheet that is attached separately. The Sustainability Questionnaire is not needed at this time but will be provided when the RFP is released.

Submittal Instructions:

Submittals are due at the email box <u>only</u>, listed below, for time and date recording on or before **2:00 p.m. Mountain Time on May 27, 2022.**

<u>Please note that email responses to this solicitation are limited to a maximum of 50MB capacity.</u>

NO ZIP FILES OR LINKS TO EXTERNAL SITES WILL BE ACCEPTED. THIS INCLUDES GOOGLE DOCS AND SIMILAR SITES. ALL SUBMITTALS MUST BE RECEIVED AS AN ATTACHMENT (E.G. PDF, WORD, EXCEL).

Electronic submittals must be received in the email box listed below. Submittals sent to any other box will NOT be forwarded or accepted. This email box is only accessed on the due date of your questions or proposals. Please use the Delivery Receipt option to verify receipt of your email. It is the sole responsibility of the proposer to ensure their documents are received before the deadline specified above. Boulder County does not accept responsibility under any circumstance for delayed or failed email or mailed submittals.

Email <u>purchasing@bouldercounty.org</u>; identified as RFQ # 7339-22 in the subject line.

All proposals must be received and time and date recorded at the purchasing email by the above due date and time. Sole responsibility rests with the Offeror to see that their bid is received on time at the stated location(s). Any bid received after due date and time will be returned to the bidder. No exceptions will be made.

The Board of County Commissioners reserve the right to reject any and all bids, to waive any informalities or irregularities therein, and to accept the bid that, in the opinion of the Board, is in the best interest of the Board and of the County of Boulder, State of Colorado.



RECEIPT OF LETTER ACKNOWLEDGMENT

April 26, 2022

Dear Vendor:

This is an acknowledgment of receipt of Addendum #2 for RFQ #7339-22, Climate Innovation Fund.

In an effort to keep you informed, we would appreciate your acknowledgment of receipt of the preceding addendum. Please sign this acknowledgment and email it back to <u>purchasing@bouldercounty.org</u> as soon as possible. If you have any questions, or problems with transmittal, please call us at 303-441-3525. This is also an acknowledgement that the vendor understands that **due to COVID-19**, **BIDS will only be accepted electronically by emailing purchasing@bouldercounty.org**.

Thank you for your cooperation in this matter. This information is time and date sensitive; an immediate response is requested.

Sincerely,

Boulder County Purchasing

Signed by:	 Date:	

Name of Company_____

RFQ Questionnaire and Narrative Guidance: Boulder County Environmental Resilience and Carbon Removal Project Solicitation

Please submit your idea by downloading and filling out this form. Please include a project description of up to three pages in length and, if this is a CO_2 removals project, attach a spreadsheet with your calculations for estimating the amount and cost per metric tonne (tonne) of CO_2 removed over the lifetime of the project.

Please email these documents along with the documents requested in the RFQ Submission Checklist to <u>purchasing@bouldercounty.org</u> by 2:00 pm Mountain Time on May 2, 2022.

Our goal is to solicit a strong, diverse set of project ideas. We have created this form for a wide range of project types, sizes, and levels of readiness. Please fill the form out to the best of your ability for each proposed project, and feel free to include back-of-the-envelope estimates for the quantitative questions (include attachments with additional information as needed).

Please refer to the Cover Document's quality criteria and glossary of terms for help with answering the questions below. A template for estimated tonnes and cost per tonne removed can be found in the attached excel tool. If you have questions, please email <u>purchasing@bouldercounty.org</u>.

Project description

- 1. Project title
- 2. Main project contact (name, position, department, email)
- 3. Project personnel and partners:

Name the main individuals and organizations involved in this project and describe their roles. Please feel free to include URLs. If the proposed project is part of a larger project or group, please include a URL, if available.

- 4. Project location (be as specific as possible)
- 5. Please provide a brief project summary (up to 300 words).

6. Award amount you are requesting, and the work that will be done with those funds to bring the project closer to implementation or to completion.

Cost/Timing/Reductions

Please provide rough estimates as answers to the following questions.

7. Quantity of reduction/sequestration expected to be achieved by the project and timing of those reduction/sequestration tonnes. Please describe the methods you used to do this estimation. [guidance on how to estimate this is provided in the attached template]

8. Cost per tonne CO_2 eq emissions reduced or CO_2 removed. [guidance on how to estimate this is provided in the attached template]

9. Please list and discuss the important uncertainties in the above answers.

10. Other sources of funding for the proposed project (existing and potential).

11. Durability: To the best of your knowledge, do you foresee being able to receive a commitment that the credited carbon sequestration will be held for 10 years or more? Under what conditions could all or part of the sequestered carbon be released into the atmosphere within 10 years? How likely is this to happen?

12. Leakage: Effective carbon removal solutions make deductions in their credits to account for leakage, and use rigorous peer-review strategies to avoid leakage wherever possible. To the best of your knowledge, do you foresee any risks of market or physical leakage with this project? If so, how will you be buffering your credit projections to account for leakage?

Co-benefits & Environmental Resilience

13. For each of the co-benefits listed below that your project will have please **make that co-benefit bold** and include a brief description of how those benefits are achieved by the project.

- Promote a just transition to climate-smart clean energy solutions
- Protect and promote biodiversity and natural resources
- Improve and protect local water systems and water cycles
- Reduce surface heating through improving year-round land cover and transpirative cooling cycles
- Promote fire resilience and reduce risk
- Improve or promote environmental health
- Spur new local market development
- Tech and workforce development

- Testing new innovations
- Have a low risk of causing harm
- Have social justice benefits
- Other (please specify)

14. For project types that have a risk of causing harm or are located in or neighboring historically disadvantaged communities, please explain how the risk of harm is minimized by the proposed project.

Short Project Proposal

Provide a description of the proposed project (up to 3 pages, proposals exceeding the page limit will not be considered).

Describe the proposed offset project, including its size, history, if and how this project fits into a larger organizational effort; the technology/action; the state of that technology/action (e.g., if it is well established, in pilot phase, currently being developed); and the preparatory work needed before project implementation (e.g., legal, research estimating emissions reductions, pilot test, securing project financing, identifying partners, identifying a site). If the proposed offset project could be expanded in the future beyond the scope currently being proposed, please include this in your description.

Supplier Intake Form – Detailed Draft RFP

Project Name

Project Type:

Select all of the attributes that describe your project type:

- Engineered solutions to carbon removal
- Hybrid solutions to carbon removal
- Nature-based solutions (NBS) to carbon removal
- Carbon Removal
- Environmental Resilience
- Other

Describe your specific project type (e.g. soil carbon sequestration, improved forest management, direct air capture, etc.)

Project Abstract:

- 400 words or less describing:
 - Project objective(s)
 - Carbon removal method(s):
 - Project location(s)
 - Project stage (i.e. is this an existing project, expansion of an existing project, a new project?)
 - any relevant results to date
 - Anticipated broader impacts and implications (e.g. climate, community, environmental resilience, workforce development, just transition, etc. see list of Boulder County's priorities in the quality criteria section below and elaborate in the abstract)

Detailed Project Description*, in 10 pages or less, please provide a narrative describing project activities with the following sections:

*If your project is already registered with a certifying body, you may submit the project description document (PDD) in lieu of the long-form project description. You are welcome to supply additional information requested here that was not included in your original PDD.

I. Description of Project Development Team

- Project objectives
- Project developer experience and qualifications
- Current or anticipated project partner(s). Please describe the role or contribution of each project partner in specific terms, and if applicable indicate any legal or contractual agreements associated with the partnerships.

II. Approach

- Project implementation methodology
 - Project duration over what duration will the proposed project actively operate (10 words)
 - When would carbon removal and/or resilience restoration occur? We recognize that some solutions deliver carbon removal and resilience results during project duration, while others deliver gradually after the project duration. over what timeframe will these outcomes occur (e.g. June 2022-June 2023 OR 500 years)?
 - Please describe any intellectual property or patents associated with the proposed project.
 - Carbon Accounting and footprinting methodology
 - Buffer pool calculation does your project have a buffer pool to cover unforeseen losses in carbon stocks? If so, how are you calculating your buffer? (100 words)
 - Baseline calculation what would the business as usual emissions in the project area look like without project implementation? How are you calculating your baseline? (200 words)
 - Carbon removal projections and calculations please use the provided template if you are not already following a methodology. Otherwise, be sure to cite your methodology.
- How will you monitor and quantify actual outcomes of your project goals (e.g. durability and carbon sequestration, establishment of revegetation). Will you use direct measurements, inference, a combination of the two? How will you validate assumptions if relying exclusively on modeled inference?
- How will you report out your project outcomes? (50 words)
- How will you incorporate third party verification of project outcomes? (50 words)
- Life Cycle Assessment (CDR projects only) please fill out the table below to help us understand your system's efficiency and how much your lifecycle deducts from your gross carbon removal capacity

	metric tonnes CO2
Gross carbon removal	
Gross project emissions	
Emissions/removal ratio	
Net carbon removal	

• Process flow – provide a carbon balance diagram for your carbon removal solution, visualizing the numbers in the table above. please include all carbon

flows and sources of energy, feedstocks, and emissions, with numbers wherever possible. If you've had a third-party LCA performed, please attach it.



- Boundary conditions please articulate and justify the boundary conditions you assumed above: why do your calculations and diagram include or exclude different components of your system? (100 words)
- Justification please justify all numbers used in your diagram above. Are they solely modeled or have you measured them directly? Have they been independently measured? Your answers can include references to peerreviewed publications.

Discussion of Quality Criteria. Please address each of the following questions in 300 words or less. Where applicable, include mention of how your project will qualitatively and/or quantitatively validate these claims. Please refer to the guidance document's glossary for an explanation of terms and definitions. For further reading on principles of high quality carbon removal, please refer to this document.

- III. How is this project additional? *Please describe any non-carbon revenue streams associated with this project.*
- IV. Durability. Over what duration can you assure durable carbon storage (e.g. 1000 years)? What are the upper and lower bounds of this claim?
- V. How is this project promoting environmental resilience?
- VI. How is this project promoting local livelihoods and economic growth?
- VII. How is this project addressing leakage?

Avoid Harms, and Community Engagement & Eduction

Discussion of project co-benefits to community.

VIII. How is this project pursuing co-benefits and avoiding harms? Boulder County is specifically prioritizing projects that:

- Promote a just transition to climate-smart energy transitions
- Protect and promote biodiversity and natural resources
- Improve and protect local water systems
- Promote fire resilience and reduce risk
- Improve or promote environmental health
- Spur new local market development
- Tech and workforce development
- Testing new innovations
- Have a low risk of causing harm
- Have social justice benefits
- Other

IX. Risks

 Please describe any important risks your project faces (e.g. risk of reversal through fire, earthquake, regulatory structures, etc.) and any associated plans for mitigation (300 words).

X. References

• Include any references used to develop this project. Must include references underpinning footprinting and accounting methodologies.

When was this project initiated?

What Commercial Stage is this project

- Commercial
- Pre-commercial

Where is this project located?

- be as specific as possible, for projects that have yet to be initiated, provide your best-guest and a credible justification
- If geospatial files describing the site and site activities are available, include them as an attachment in your submission
- If geospatial files are unavailable, please state that clearly in this section
- Please describe the land tenure status of the project area and any stakeholder engagement efforts
- Please describe any known or anticipated risks in the project area (e.g. political, legal, etc.)

Pricing & tonnage availability

• Please provide the available tonnage and cost estimates for 2022 and subsequent years. Please provide this for **both ex-ante and ex-post** credit estimates.

Do you offer discounts?

• If yes, please describe (50 words)

Do you offer long term offtake?

• If yes, please describe (50 words)

• When does the offer expire? (10 words)

Proposed Carbon Removal Delivery and Off-Take Schedule

Project	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
<u>Year</u>									
<u>Calendar</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>					
Year									
<u>CO2e</u>	<u>0</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
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Certification

Is there an available methodology to certify your project?

Has your project been certified and independently verified under an existing methodology?

- If yes, which standards body and protocol/methodology. Please provide the project ID and link to registry documents (where applicable)
- If not, what is your plan and timeline for achieving certification?
- If not, is there an available methodology under development?

What is the anticipated number of crediting periods over the course of the project? (50 words)

What recourse measure(s) will you provide or recommend in the event of leakage and non-adherence to the stated durability term? (200 words)

What is the national and subnational regulatory environment for your project? (200 words)

Please provide any documentation related to regulatory matters (200 words).